# **Pyrolysis dataset**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C (%) | H (%) | N (%) | O (%) | FC (%) | VM (%) | Ash (%) | T (°C) | RT (min) | HT (°C/min) | Yield (%) | Char\_C (%) | Char\_H (%) | Char\_O (%) | Char\_N (%) | HHV (MJ/kg) | ER (%) | CR (%) | Reference |
| 52.05 | 5.37 | 0.49 | 42.1 | 13.2 | 73.5 | 8.6 | 500 | 60 | 10 | 35.26 | 79.4 | 3.18 | 16.61 | 0.82 | 28.85 | 47.99 | 53.79 | (Abnisa et al., 2013a) |
| 43.06 | 5.98 | 0.55 | 50.42 | 10.8 | 79.4 | 2.9 | 500 | 60 | 10 | 29.05 | 64.93 | 2.55 | 31.14 | 1.12 | 21.34 | 37.72 | 43.8 |
| 45.03 | 6.15 | 0.94 | 47.89 | 7.6 | 78 | 5.8 | 500 | 60 | 10 | 29.8 | 67.7 | 2.43 | 29.23 | 0.65 | 29.06 | 49.76 | 44.8 |
| 42.72 | 5.61 | 0.44 | 51.24 | 4.97 | 82.6 | 5.27 | 500 | 60 | 10 | 33.6 | 63.68 | 2.28 | 33.43 | 0.63 | 18.79 | 38.54 | 50.09 | (Abnisa et al., 2013b) |
| 42.76 | 5.99 | 0.39 | 50.88 | 3.22 | 82.7 | 0.24 | 500 | 60 | 10 | 30.24 | 65.33 | 2.56 | 31.37 | 0.75 | 20.12 | 37.4 | 46.2 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 700 | 10 | 5 | 29.92 | 88.12 | 1.17 | 9.54 | 1.03 | 28.02 | 49.76 | 55.41 | (Chen et al., 2014) |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 700 | 10 | 10 | 21.98 | 89.71 | 1.19 | 7.91 | 1.05 | 28.25 | 36.86 | 41.45 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 700 | 10 | 20 | 20.08 | 87.23 | 1.13 | 10.34 | 1.16 | 27.76 | 33.08 | 36.81 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 700 | 10 | 30 | 18.17 | 85.94 | 0.87 | 11.86 | 1.21 | 27.29 | 29.44 | 32.83 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 300 | 10 | 10 | 49.3 | 68.56 | 3.85 | 26.54 | 0.92 | 25.43 | 74.4 | 71.04 | (Chen et al., 2015) |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 400 | 10 | 10 | 30.7 | 74.64 | 3.48 | 20.8 | 0.94 | 27.46 | 50.03 | 48.16 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 500 | 10 | 10 | 26 | 79.12 | 2.53 | 17.19 | 1.03 | 28.15 | 43.44 | 43.23 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 600 | 10 | 10 | 24.3 | 83.95 | 1.67 | 13.23 | 1.01 | 28.97 | 41.78 | 42.87 |
| 47.58 | 6.13 | 0.52 | 45.73 | 13.32 | 85.53 | 1.15 | 700 | 10 | 10 | 23.6 | 88.34 | 1.26 | 9.2 | 1.06 | 29.56 | 41.4 | 43.82 |
| 48.12 | 6.48 | 1.89 | 43.51 | 15.9 | 69.5 | 2.9 | 400 | 30 | 10 | 35.83 | 79.65 | 3.96 | 15.72 | 0.67 | 28.64 | 54.23 | 59.31 | (Liu et al., 2014) |
| 48.12 | 6.48 | 1.89 | 43.51 | 15.9 | 69.5 | 2.9 | 500 | 30 | 10 | 22.62 | 83.27 | 3.33 | 12.62 | 0.78 | 28.38 | 33.93 | 39.15 |
| 48.12 | 6.48 | 1.89 | 43.51 | 15.9 | 69.5 | 2.9 | 600 | 30 | 10 | 21.07 | 84.31 | 2.41 | 12.52 | 0.76 | 27.18 | 30.27 | 36.92 |
| 46.21 | 6.01 | 1.91 | 45.87 | 15.6 | 65.3 | 11.7 | 500 | 30 | 10 | 27.28 | 77.34 | 2.64 | 17.23 | 2.79 | 23.69 | 35.68 | 45.67 |
| 48.37 | 4.98 | 0.38 | 46.27 | 18.5 | 70.4 | 1.2 | 500 | 30 | 10 | 22.33 | 87.61 | 2.15 | 9.31 | 0.93 | 30.47 | 34.96 | 40.44 |
| 47 | 6.44 | 0.44 | 45.63 | 18.06 | 80.57 | 1.37 | 500 | 30 | 7 | 31.05 | 77.72 | 2.94 | 17.89 | 1.08 | 27.65 | 46.99 | 51.35 | (Oginni et al., 2017) |
| 46.8 | 6.45 | 0.47 | 45.74 | 18.1 | 80.06 | 1.83 | 500 | 30 | 7 | 30.53 | 78.46 | 2.73 | 17.75 | 0.84 | 27.57 | 46.33 | 51.18 |
| 48.02 | 6.71 | 0.52 | 44.19 | 18.22 | 79.76 | 2.02 | 500 | 30 | 7 | 30.79 | 80.09 | 2.71 | 16.2 | 0.84 | 28.31 | 46.61 | 51.35 |
| 47.03 | 6.45 | 0.53 | 45.46 | 17.03 | 80.59 | 1.21 | 500 | 30 | 7 | 30.26 | 80.23 | 2.77 | 16.24 | 0.64 | 28.45 | 47.08 | 51.63 |
| 30.52 | 48.97 | 0.34 | 20.17 | 25.9 | 74.1 | 2 | 600 | 60 | 5 | 31.8 | 90.6 | 2.8 | 7.9 | 0.9 | 33.6 | 51.45 | 94.41 | (Windeatt et al., 2014) |
| 26.77 | 46.89 | 0.45 | 25.89 | 14.7 | 85.3 | 4.4 | 600 | 60 | 5 | 27.7 | 88.6 | 2.8 | 13.7 | 1.3 | 30.1 | 46.56 | 91.68 |
| 27.22 | 49.96 | 0.71 | 22.1 | 19.1 | 80.9 | 19.6 | 600 | 60 | 5 | 39 | 54.5 | 2.1 | 5.4 | 1.1 | 19.3 | 53.19 | 78.08 |
| 31.21 | 44.14 | 1.02 | 23.63 | 22.8 | 77.2 | 0.6 | 600 | 60 | 5 | 28.2 | 93.9 | 3 | 2.6 | 0.4 | 33.7 | 46.13 | 84.85 |
| 28.63 | 48.57 | 0.92 | 21.88 | 14.1 | 85.9 | 7.9 | 600 | 60 | 5 | 30.3 | 75.3 | 2.6 | 4.5 | 1 | 26.5 | 47.98 | 79.69 |
| 25.15 | 49.87 | 2.62 | 22.35 | 6.9 | 93.1 | 4.2 | 600 | 60 | 5 | 28 | 83.2 | 3.2 | 14.2 | 4.8 | 31.4 | 53.34 | 92.61 |
| 29.49 | 48.9 | 1.03 | 20.59 | 19 | 80.5 | 4.5 | 600 | 60 | 5 | 30.5 | 71.8 | 2.8 | 11.6 | 1.9 | 24.1 | 39.11 | 74.27 |
| 24.68 | 49.69 | 0.38 | 25.26 | 14.7 | 85.3 | 5.3 | 600 | 60 | 5 | 30.8 | 82.6 | 2.7 | 12.8 | 2.4 | 26.6 | 46.45 | 103.09 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.15 | 350 | 60 | 10 | 32.7 | 75.74 | 5.29 | 18.75 | 0.22 | 29.47 | 52.75 | 47.74 | (Yu et al., 2019) |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.15 | 400 | 60 | 10 | 27.9 | 77.85 | 4.9 | 17.06 | 0.2 | 29.96 | 45.75 | 41.87 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.15 | 500 | 60 | 10 | 23.3 | 85.79 | 3.89 | 10.1 | 0.23 | 32.4 | 41.32 | 38.53 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.15 | 600 | 60 | 10 | 20.7 | 91.56 | 2.96 | 5.11 | 0.38 | 33.96 | 38.48 | 36.53 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 5 | 5 | 41.4 | 67.64 | 4.58 | 1.27 | 0.97 | 26.63 | 58.25 | 89.58 | (Ghysels et al., 2019) |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 15 | 5 | 37.75 | 68.17 | 4.29 | 1.3 | 0.89 | 26.26 | 52.38 | 82.32 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 45 | 5 | 33.78 | 68.76 | 4.41 | 1.2 | 0.96 | 26.91 | 48.02 | 74.3 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 5 | 20 | 37.27 | 67.37 | 4.61 | 1.23 | 1.09 | 26.7 | 52.58 | 80.32 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 15 | 20 | 33.4 | 67.82 | 4.29 | 1.23 | 0.88 | 26.32 | 46.46 | 72.47 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 45 | 20 | 33.06 | 67.44 | 4.32 | 1.2 | 1.09 | 26.31 | 45.96 | 71.33 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 5 | 50 | 33.23 | 65.29 | 4.45 | 1.32 | 1.09 | 25.52 | 44.81 | 69.41 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 15 | 50 | 30.82 | 69.89 | 4.25 | 1.14 | 0.99 | 27.16 | 44.23 | 68.9 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 370 | 45 | 50 | 30.35 | 69.55 | 4.15 | 1.09 | 0.97 | 27 | 43.28 | 67.51 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 5 | 5 | 34.45 | 69.76 | 4.17 | 1.19 | 0.87 | 26.85 | 48.88 | 76.88 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 15 | 5 | 33.75 | 69.93 | 3.99 | 1.16 | 0.84 | 26.69 | 47.58 | 75.49 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 45 | 5 | 32.89 | 70.86 | 3.85 | 1.08 | 0.86 | 26.96 | 46.85 | 74.55 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 5 | 20 | 32.33 | 67.71 | 4.18 | 1.17 | 1.02 | 26.24 | 44.82 | 70.02 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 15 | 20 | 31.71 | 69.72 | 3.94 | 1.05 | 0.91 | 26.81 | 44.93 | 70.73 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 45 | 20 | 29.12 | 69.35 | 3.85 | 1.08 | 1.07 | 26.46 | 40.71 | 64.61 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 5 | 50 | 30.69 | 68.71 | 4.15 | 1.07 | 1.15 | 26.78 | 43.43 | 67.45 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 15 | 50 | 29.88 | 69.42 | 3.89 | 0.99 | 1.18 | 26.78 | 42.27 | 66.35 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 410 | 45 | 50 | 28.53 | 72.02 | 3.8 | 0.96 | 0.92 | 27.55 | 41.53 | 65.73 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 5 | 5 | 31.13 | 73.86 | 3.78 | 0.86 | 0.94 | 28.36 | 46.65 | 73.54 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 15 | 5 | 29.79 | 74.59 | 3.62 | 0.84 | 0.91 | 28.39 | 44.68 | 71.08 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 45 | 5 | 29.17 | 73.98 | 3.4 | 0.83 | 1.03 | 27.87 | 42.96 | 69.04 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 5 | 20 | 28.56 | 71.27 | 3.63 | 0.96 | 0.96 | 27.04 | 40.8 | 65.11 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 15 | 20 | 28.22 | 71.72 | 3.55 | 0.94 | 0.91 | 27.1 | 40.42 | 64.76 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 45 | 20 | 28.95 | 71.69 | 3.49 | 0.96 | 0.91 | 26.94 | 41.21 | 66.39 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 5 | 50 | 28.07 | 70.8 | 3.61 | 1.02 | 0.86 | 26.71 | 39.62 | 63.57 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 15 | 50 | 27.85 | 71.83 | 3.39 | 0.95 | 0.91 | 26.85 | 39.51 | 63.99 |
| 31.26 | 44.18 | 0.27 | 24.3 | 7.38 | 83.12 | 2.41 | 450 | 45 | 50 | 27.38 | 72.77 | 3.27 | 0.93 | 0.84 | 27.02 | 39.1 | 63.75 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 5 | 5 | 54.01 | 58.91 | 3.89 | 3.86 | 2.67 | 22.84 | 56.83 | 91.1 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 15 | 5 | 53.89 | 59.03 | 3.51 | 3.48 | 2.75 | 22.25 | 55.23 | 91.08 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 45 | 5 | 55.12 | 61.07 | 3.65 | 3.62 | 2.71 | 23.55 | 59.81 | 96.37 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 5 | 20 | 52.49 | 60.26 | 3.8 | 3.77 | 2.71 | 23.38 | 56.55 | 90.57 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 15 | 20 | 51.65 | 60.96 | 3.76 | 3.73 | 2.72 | 23.32 | 55.5 | 90.15 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 45 | 20 | 50.79 | 62.72 | 3.8 | 3.77 | 2.61 | 24.67 | 57.72 | 91.21 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 5 | 50 | 52.29 | 61 | 4.06 | 4.03 | 2.64 | 24.2 | 58.3 | 91.34 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 15 | 50 | 49.66 | 59.78 | 3.56 | 3.53 | 2.61 | 22.83 | 52.23 | 85.01 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 370 | 45 | 50 | 49.65 | 61.12 | 3.6 | 3.57 | 2.49 | 23.56 | 53.89 | 86.9 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 5 | 5 | 50.42 | 61.28 | 3.42 | 3.39 | 2.72 | 23.34 | 54.21 | 88.47 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 15 | 5 | 48.77 | 63.39 | 3.69 | 3.66 | 2.7 | 24.91 | 55.97 | 88.52 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 45 | 5 | 48.21 | 60.63 | 3.19 | 3.16 | 2.61 | 22.68 | 50.37 | 83.7 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 5 | 20 | 50.12 | 59.45 | 3.3 | 3.28 | 2.51 | 22.24 | 51.36 | 85.31 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 15 | 20 | 46.86 | 62.68 | 3.28 | 3.25 | 2.83 | 23.89 | 51.58 | 84.11 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 45 | 20 | 47.21 | 61.91 | 3.27 | 3.25 | 2.7 | 23.53 | 51.17 | 83.68 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 5 | 50 | 46.87 | 61.41 | 3.31 | 3.28 | 2.4 | 23.29 | 50.29 | 82.42 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 15 | 50 | 45.76 | 62.43 | 3.29 | 3.26 | 2.41 | 23.63 | 49.82 | 81.8 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 410 | 45 | 50 | 45.55 | 61.49 | 2.97 | 2.95 | 2.55 | 22.81 | 47.88 | 80.21 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 5 | 5 | 47.47 | 63.05 | 3.15 | 3.12 | 2.6 | 23.86 | 52.18 | 85.7 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 15 | 5 | 45.98 | 61.5 | 2.76 | 2.74 | 2.58 | 22.44 | 47.54 | 80.97 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 45 | 5 | 44.03 | 65.86 | 2.93 | 2.91 | 2.62 | 24.94 | 50.6 | 83.02 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 5 | 20 | 46.76 | 62.3 | 2.99 | 2.96 | 2.7 | 23.25 | 50.08 | 83.41 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 15 | 20 | 44.88 | 62.73 | 2.63 | 2.61 | 2.43 | 22.88 | 47.31 | 80.61 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 45 | 20 | 45.6 | 61.93 | 2.66 | 2.64 | 2.47 | 22.58 | 47.43 | 80.86 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 5 | 50 | 43.92 | 62.42 | 2.9 | 2.87 | 2.39 | 23.14 | 46.82 | 78.5 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 15 | 50 | 43.4 | 62.32 | 2.82 | 2.8 | 2.33 | 22.99 | 45.97 | 77.45 |
| 34.93 | 45.96 | 1.4 | 17.72 | 25.57 | 58.19 | 8.92 | 450 | 45 | 50 | 44.19 | 60.81 | 2.75 | 2.73 | 2.3 | 22.21 | 45.23 | 76.94 |
| 44.8 | 7.1 | 0.43 | 37.3 | 22.15 | 60.83 | 10.4 | 400 | 30 | 15 | 39.16 | 61.27 | 5.47 | 16.01 | 1.53 | 22.78 | 42.96 | 53.56 | (Martín-Lara et al., 2019) |
| 44.8 | 7.1 | 0.43 | 37.3 | 22.15 | 60.83 | 10.4 | 450 | 30 | 15 | 35.22 | 59.98 | 4.54 | 13.21 | 1.53 | 24.75 | 41.98 | 47.15 |
| 44.8 | 7.1 | 0.43 | 37.3 | 22.15 | 60.83 | 10.4 | 500 | 30 | 15 | 31.78 | 63.52 | 3.44 | 9.09 | 1.23 | 26.47 | 40.51 | 45.06 |
| 44.8 | 7.1 | 0.43 | 37.3 | 22.15 | 60.83 | 10.4 | 550 | 30 | 15 | 30.48 | 67.75 | 3.11 | 6.95 | 1.26 | 28.4 | 41.69 | 46.09 |
| 49.65 | 7.54 | 4.03 | 38.13 | 14.08 | 78.71 | 1.83 | 400 | 60 | 5 | 41.47 | 72.28 | 4.58 | 18.08 | 4.95 | 29.61 | 58.53 | 60.37 | (Uçar and Karagöz, 2009) |
| 49.65 | 7.54 | 4.03 | 38.13 | 14.08 | 78.71 | 1.83 | 500 | 60 | 5 | 29.83 | 74.37 | 2.85 | 18.28 | 4.39 | 28.96 | 41.18 | 44.68 |
| 49.65 | 7.54 | 4.03 | 38.13 | 14.08 | 78.71 | 1.83 | 600 | 60 | 5 | 29.28 | 75.86 | 1.94 | 19.11 | 3.05 | 28.52 | 39.8 | 44.74 |
| 49.65 | 7.54 | 4.03 | 38.13 | 14.08 | 78.71 | 1.83 | 800 | 60 | 5 | 27.87 | 78.19 | 1.79 | 17.13 | 2.84 | 27.23 | 36.17 | 43.89 |
| 46.82 | 6.33 | 0.16 | 44.65 | 18.61 | 79.2 | 2.05 | 350 | 70 | 5 | 40.36 | 68.15 | 4.09 | 22.85 | 0.5 | 25.32 | 56.17 | 58.75 | (Doumer et al., 2015) |
| 47.59 | 5.82 | 0.78 | 43.38 | 28.57 | 68.99 | 2.43 | 350 | 70 | 5 | 46.93 | 63.99 | 4 | 25.47 | 0.97 | 25.97 | 64.82 | 63.1 |
| 45.52 | 6.26 | 0.24 | 43.83 | 12.97 | 83.03 | 4 | 350 | 70 | 5 | 41.34 | 65.02 | 4.19 | 24.72 | 0.55 | 24.35 | 57.3 | 59.05 |
| 33.59 | 5.81 | 2.11 | 41.07 | 17.43 | 65.15 | 17.4 | 350 | 70 | 5 | 56.41 | 45.53 | 3.53 | 16.44 | 3.93 | 17.24 | 82.44 | 76.47 |
| 43.52 | 5.77 | 0.04 | 50.34 | 9.88 | 78.55 | 0.28 | 315 | 30 | 14.2 | 50.88 | 74.65 | 5.11 | 18.7 | 0.34 | 26.06 | 77.99 | 87.27 | (Ábrego et al., 2019) |
| 43.52 | 5.77 | 0.04 | 50.34 | 9.88 | 78.55 | 0.28 | 330 | 30 | 25.5 | 32.81 | 78.97 | 3.45 | 15.13 | 0.48 | 28.94 | 56.83 | 59.53 |
| 43.52 | 5.77 | 0.04 | 50.34 | 9.88 | 78.55 | 0.28 | 425 | 30 | 51.5 | 27.37 | 84.85 | 3.02 | 9.24 | 0.47 | 30.86 | 50.55 | 53.36 |
| 43.52 | 5.77 | 0.04 | 50.34 | 9.88 | 78.55 | 0.28 | 490 | 30 | 57.6 | 21.93 | 88.19 | 2.63 | 5.57 | 0.56 | 31.3 | 41.09 | 44.44 |
| 43.52 | 5.77 | 0.04 | 50.34 | 9.88 | 78.55 | 0.28 | 560 | 30 | 76.8 | 20.7 | 90.71 | 1.78 | 4.08 | 0.56 | 31.36 | 38.86 | 43.15 |
| 45.46 | 5.32 | 0.18 | 40.6 | 17.4 | 74.2 | 0.8 | 400 | 45 | 30 | 26.19 | 75.5 | 4.2 | 20.1 | 0.2 | 28.7 | 41.84 | 43.49 | (Chiodo et al., 2016) |
| 45.46 | 5.32 | 0.18 | 40.6 | 17.4 | 74.2 | 0.8 | 500 | 45 | 30 | 22.22 | 82.8 | 3.5 | 13.4 | 0.3 | 31.89 | 39.46 | 40.47 |
| 45.46 | 5.32 | 0.18 | 40.6 | 17.4 | 74.2 | 0.8 | 600 | 45 | 30 | 20.24 | 88.5 | 2.3 | 8.9 | 0.2 | 32.54 | 36.67 | 39.4 |
| 31.31 | 3.33 | 1.08 | 36.44 | 19.2 | 53.1 | 17 | 400 | 45 | 30 | 26.56 | 55 | 3.5 | 39.8 | 1.7 | 23.62 | 42.16 | 46.66 |
| 31.31 | 3.33 | 1.08 | 36.44 | 19.2 | 53.1 | 17 | 500 | 45 | 30 | 18.92 | 58.9 | 2.7 | 36.5 | 1.9 | 26 | 33.07 | 35.6 |
| 31.31 | 3.33 | 1.08 | 36.44 | 19.2 | 53.1 | 17 | 600 | 45 | 30 | 17.93 | 62.5 | 1.9 | 34 | 1.6 | 28.18 | 33.96 | 35.79 |
| 32 | 50.57 | 1.97 | 15.46 | 11.56 | 61.25 | 27.4 | 400 | 60 | 20 | 51.35 | 34.89 | 1.96 | 10.16 | 2.44 | 12.43 | 42.05 | 56 | (Zhou et al., 2019) |
| 32 | 50.57 | 1.97 | 15.46 | 11.56 | 61.25 | 27.4 | 500 | 60 | 20 | 45.76 | 34.92 | 1.14 | 6.04 | 2.27 | 12.15 | 36.63 | 49.94 |
| 32 | 50.57 | 1.97 | 15.46 | 11.56 | 61.25 | 27.4 | 600 | 60 | 20 | 44.02 | 33.03 | 0.62 | 6.49 | 1.85 | 10.97 | 31.81 | 45.44 |
| 32.14 | 48.46 | 1.64 | 17.77 | 14.07 | 65.88 | 20.7 | 400 | 60 | 20 | 48.21 | 42.27 | 2.41 | 11.39 | 2.46 | 15.32 | 48.4 | 63.41 |
| 32.14 | 48.46 | 1.64 | 17.77 | 14.07 | 65.88 | 20.7 | 500 | 60 | 20 | 43.32 | 43.04 | 1.54 | 6.91 | 2.27 | 15.3 | 43.43 | 58.01 |
| 32.14 | 48.46 | 1.64 | 17.77 | 14.07 | 65.88 | 20.7 | 600 | 60 | 20 | 39.83 | 44.64 | 5.27 | 26.92 | 1.97 | 15.87 | 41.42 | 55.32 |
| 32.86 | 45.98 | 1.59 | 19.57 | 13.23 | 63.02 | 23.8 | 400 | 60 | 20 | 50.66 | 40.55 | 2.09 | 11.39 | 2.08 | 14.46 | 53.39 | 62.51 |
| 32.86 | 45.98 | 1.59 | 19.57 | 13.23 | 63.02 | 23.8 | 500 | 60 | 20 | 46.46 | 39.88 | 1.32 | 9.09 | 1.87 | 13.75 | 46.56 | 56.39 |
| 32.86 | 45.98 | 1.59 | 19.57 | 13.23 | 63.02 | 23.8 | 600 | 60 | 20 | 44.02 | 41.53 | 0.89 | 2.69 | 1.69 | 14.76 | 47.35 | 55.63 |
| 30.27 | 48.59 | 3.39 | 17.76 | 10.71 | 62.67 | 26.7 | 400 | 60 | 20 | 49.26 | 37.59 | 2.18 | 6.13 | 4.57 | 13.72 | 52.92 | 61.17 |
| 30.27 | 48.59 | 3.39 | 17.76 | 10.71 | 62.67 | 26.7 | 500 | 60 | 20 | 44.72 | 36.78 | 1.23 | 3.11 | 3.69 | 13.05 | 45.7 | 54.34 |
| 30.27 | 48.59 | 3.39 | 17.76 | 10.71 | 62.67 | 26.7 | 600 | 60 | 20 | 42.62 | 37.47 | 0.91 | 3.08 | 3.17 | 13.44 | 44.86 | 52.76 |
| 31.48 | 49.93 | 2.03 | 16.56 | 8.66 | 63.54 | 27.9 | 400 | 60 | 20 | 50.66 | 35.39 | 1.98 | 7.76 | 2.52 | 12.97 | 46.04 | 56.94 |
| 31.48 | 49.93 | 2.03 | 16.56 | 8.66 | 63.54 | 27.9 | 500 | 60 | 20 | 46.81 | 33.38 | 1.05 | 4.59 | 2.2 | 11.76 | 38.58 | 49.63 |
| 31.48 | 49.93 | 2.03 | 16.56 | 8.66 | 63.54 | 27.9 | 600 | 60 | 20 | 44.72 | 33.81 | 0.71 | 2.33 | 1.91 | 11.91 | 37.32 | 48.02 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 10 | 5 | 41.91 | 61.4 | 3.6 | 19 | 1 | 24.1 | 63.92 | 61.27 | (Crombie and Mašek, 2015) |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 20 | 5 | 41.99 | 62.7 | 4.4 | 16.5 | 1.1 | 23.1 | 61.39 | 62.69 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 40 | 5 | 43.28 | 56.6 | 2.9 | 17.6 | 1.1 | 23.8 | 65.19 | 58.32 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 10 | 5 | 32.08 | 71.1 | 1.3 | 5.8 | 1 | 24 | 48.73 | 54.31 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 20 | 5 | 30.87 | 72.1 | 1.3 | 2.8 | 0.9 | 23 | 44.94 | 52.99 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 40 | 5 | 29.92 | 73.2 | 1.2 | 3.5 | 1.1 | 24.4 | 46.2 | 52.14 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 10 | 5 | 50 | 55.5 | 4.2 | 27.1 | 0.9 | 21.6 | 68.35 | 66.07 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 20 | 5 | 45.25 | 60.4 | 5.2 | 19.2 | 1.1 | 22.1 | 63.29 | 65.07 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 40 | 5 | 37.22 | 62.1 | 3 | 17.8 | 1 | 22.3 | 52.53 | 55.03 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 10 | 5 | 29.96 | 69.2 | 1.2 | 7.2 | 1 | 24.7 | 46.84 | 49.36 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 20 | 5 | 29.48 | 71.2 | 1 | 6.7 | 1 | 25.1 | 46.84 | 49.98 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 40 | 5 | 28.94 | 71.4 | 1.1 | 4.6 | 1.2 | 23.5 | 43.04 | 49.19 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 10 | 5 | 41.46 | 62 | 4.7 | 16.9 | 1.1 | 24.6 | 64.56 | 61.21 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 20 | 5 | 39.43 | 62.9 | 4.6 | 15.4 | 1.1 | 24.6 | 61.39 | 59.05 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 350 | 40 | 5 | 37.45 | 64.6 | 4.3 | 13.4 | 1.1 | 24.3 | 57.59 | 57.6 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 10 | 5 | 29.84 | 71.8 | 1.6 | 5.1 | 1 | 24.8 | 46.84 | 51.01 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 20 | 5 | 30.71 | 68.8 | 1.4 | 7.4 | 1.1 | 24.1 | 46.84 | 50.3 |
| 42 | 5.5 | 0.1 | 44.9 | 15.3 | 77.2 | 7.4 | 650 | 40 | 5 | 27.8 | 72.5 | 1.3 | 3 | 1.1 | 25.9 | 45.57 | 47.99 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 10 | 5 | 55.96 | 67.3 | 4.5 | 27.5 | 0 | 27.7 | 88.07 | 70.13 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 20 | 5 | 54.68 | 63.5 | 5.3 | 30 | 0.1 | 26.7 | 82.95 | 64.66 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 40 | 5 | 50.36 | 68.4 | 4.6 | 25.8 | 0 | 27.6 | 78.98 | 64.15 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 10 | 5 | 28.87 | 90.4 | 2.2 | 5.9 | 0.1 | 33.6 | 55.11 | 48.6 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 20 | 5 | 28.57 | 89.8 | 2.2 | 5.9 | 0.1 | 33.6 | 54.55 | 47.78 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 40 | 5 | 28.91 | 90 | 2 | 5.9 | 0.1 | 33.9 | 55.68 | 48.45 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 10 | 5 | 42.75 | 71.4 | 4.5 | 22.7 | 0 | 27.6 | 67.05 | 56.85 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 20 | 5 | 42.45 | 70.6 | 5.5 | 22.6 | 0.1 | 27.8 | 67.05 | 55.8 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 40 | 5 | 44.28 | 71.4 | 4.5 | 22.7 | 0 | 27.1 | 68.18 | 58.88 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 10 | 5 | 28.53 | 92.8 | 1.7 | 3.3 | 0 | 33.3 | 53.98 | 49.3 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 20 | 5 | 28.92 | 87.9 | 2.1 | 7.2 | 0.1 | 33.2 | 54.55 | 47.33 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 40 | 5 | 28.4 | 90.2 | 1.8 | 6.4 | 0 | 33.1 | 53.41 | 47.7 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 10 | 5 | 45.13 | 70.1 | 5.1 | 23.4 | 0.1 | 27.7 | 71.02 | 58.91 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 20 | 5 | 39.37 | 76.4 | 5 | 17.2 | 0.1 | 28.7 | 64.2 | 56.02 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 350 | 40 | 5 | 40.48 | 67.4 | 5.9 | 25.2 | 0.1 | 28.9 | 66.48 | 50.81 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 10 | 5 | 27.6 | 90.2 | 1.8 | 6.5 | 0 | 33.7 | 52.84 | 46.35 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 20 | 5 | 27.3 | 87.1 | 1.8 | 9.3 | 0 | 33.7 | 52.27 | 44.28 |
| 53.7 | 6.7 | 0 | 33.9 | 17.2 | 77.2 | 5.7 | 650 | 40 | 5 | 27.25 | 87.4 | 1.8 | 9.6 | 0 | 33.4 | 51.7 | 44.34 |
| 51.71 | 5.32 | 0.33 | 42.64 | 13.7 | 71 | 2.1 | 500 | 60 | 10 | 23.99 | 85.59 | 2.82 | 10.48 | 1.11 | 37.52 | 52.88 | 39.7 | (Lee et al., 2013) |
| 61.57 | 4.37 | 1.02 | 33.04 | 25.3 | 49.1 | 4.6 | 500 | 60 | 10 | 36.92 | 84.44 | 2.88 | 3.12 | 1.02 | 24.11 | 53.81 | 50.63 |
| 55.82 | 5.62 | 0.84 | 37.73 | 17.9 | 66.8 | 3.4 | 500 | 60 | 10 | 31.11 | 87.85 | 2.91 | 8.14 | 1.11 | 27.97 | 54.75 | 48.95 |
| 50.52 | 5.81 | 0.23 | 43.44 | 10.7 | 80.1 | 0.4 | 500 | 60 | 10 | 22.21 | 89.31 | 2.57 | 7.34 | 0.78 | 38.72 | 52.25 | 39.26 |
| 53.42 | 6.12 | 1.4 | 39.06 | 16.2 | 68.9 | 4.9 | 500 | 60 | 10 | 30.34 | 84.84 | 3.13 | 10.2 | 1.83 | 28.02 | 55.19 | 48.18 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 300 | 30 | 5 | 59 | 57 | 4.14 | 29.59 | 2.09 | 21.58 | 82.2 | 82.31 | (Tag et al., 2016) |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 350 | 30 | 5 | 42.8 | 64.7 | 4.05 | 21.25 | 1.3 | 25.54 | 70.57 | 67.77 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 500 | 30 | 5 | 34 | 71.29 | 3.38 | 13.31 | 1.42 | 27.25 | 59.82 | 59.32 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 600 | 30 | 5 | 30.7 | 72.25 | 2.47 | 12.33 | 1.45 | 26.59 | 52.7 | 54.28 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 300 | 30 | 5 | 51.3 | 56.83 | 5.17 | 25.47 | 2.99 | 23.07 | 73.9 | 68.4 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 350 | 30 | 5 | 45.1 | 64.93 | 4.54 | 16.78 | 2.42 | 26.01 | 73.25 | 68.71 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 500 | 30 | 5 | 31.5 | 63.78 | 3.09 | 15.74 | 3.19 | 23.93 | 47.07 | 47.14 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 600 | 30 | 5 | 29 | 68.05 | 2.38 | 10.35 | 2.92 | 25.1 | 45.45 | 46.3 |
| 35.1 | 4 | 1.05 | 38.1 | 20.8 | 58.4 | 20.8 | 300 | 30 | 5 | 63.2 | 41.49 | 3.23 | 24.57 | 1.86 | 15.13 | 73.2 | 74.71 |
| 35.1 | 4 | 1.05 | 38.1 | 20.8 | 58.4 | 20.8 | 350 | 30 | 5 | 59.4 | 41.8 | 3 | 18.9 | 2.1 | 15.54 | 70.66 | 70.74 |
| 35.1 | 4 | 1.05 | 38.1 | 20.8 | 58.4 | 20.8 | 500 | 30 | 5 | 48.4 | 45.25 | 2.15 | 10.89 | 1.4 | 15.34 | 56.84 | 62.4 |
| 35.1 | 4 | 1.05 | 38.1 | 20.8 | 58.4 | 20.8 | 600 | 30 | 5 | 45.8 | 45.11 | 1.44 | 9.33 | 1.42 | 15.56 | 54.56 | 58.86 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 300 | 30 | 5 | 53.2 | 53.57 | 3.69 | 24.34 | 5.41 | 20.23 | 79.47 | 79.83 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 350 | 30 | 5 | 43 | 57 | 3.19 | 15.91 | 5.3 | 22.5 | 71.44 | 68.66 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 500 | 30 | 5 | 33.4 | 60.35 | 2.44 | 11.25 | 4.16 | 22.26 | 54.9 | 56.46 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 600 | 30 | 5 | 31.1 | 56.6 | 2.02 | 8.22 | 3.86 | 20.61 | 47.33 | 49.31 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 300 | 60 | 5 | 35.86 | 47.15 | 4.52 | 23.98 | 0.65 | 19.6 | 44.57 | 53.86 | (Vieira et al., 2020) |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 400 | 90 | 5 | 33.73 | 54.33 | 2.06 | 8.11 | 0.64 | 21.01 | 44.94 | 58.38 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 500 | 120 | 5 | 35.14 | 57.35 | 1.48 | 8.08 | 0.63 | 22 | 49.02 | 64.2 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 300 | 120 | 10 | 34.96 | 46.16 | 4.51 | 27.19 | 0.68 | 18.31 | 40.59 | 51.41 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 400 | 60 | 10 | 37.51 | 52.13 | 2.67 | 12.64 | 0.63 | 21.53 | 51.21 | 62.29 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 500 | 90 | 10 | 34.74 | 58.41 | 1.75 | 5.27 | 0.77 | 23.41 | 51.57 | 64.64 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 300 | 90 | 20 | 37.71 | 46.14 | 3.83 | 23.33 | 0.44 | 17.6 | 42.09 | 55.43 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 400 | 120 | 20 | 36.16 | 54.56 | 2.25 | 9.16 | 0.5 | 21.11 | 48.4 | 62.85 |
| 31.39 | 3.39 | 0.35 | 43.4 | 14.73 | 63.78 | 13.0 | 500 | 60 | 20 | 34.85 | 56.28 | 1.36 | 7.74 | 0.63 | 22.64 | 50.03 | 62.48 |
| 49.17 | 5.93 | 1.03 | 43.87 | 14.43 | 78.17 | 3.53 | 400 | 60 | 10 | 37.71 | 71.69 | 3.98 | 23.17 | 1.17 | 24.56 | 52.25 | 54.99 | (Gupta et al., 2019) |
| 49.17 | 5.93 | 1.03 | 43.87 | 14.43 | 78.17 | 3.53 | 500 | 60 | 10 | 34.02 | 75.51 | 3.17 | 20.09 | 1.23 | 24.03 | 46.1 | 52.25 |
| 49.17 | 5.93 | 1.03 | 43.87 | 14.43 | 78.17 | 3.53 | 600 | 60 | 10 | 27.69 | 78.97 | 2.48 | 17.26 | 1.29 | 24.17 | 37.74 | 44.48 |
| 49.17 | 5.93 | 1.03 | 43.87 | 14.43 | 78.17 | 3.53 | 700 | 60 | 10 | 27.03 | 81.59 | 2.12 | 14.92 | 1.37 | 24.61 | 37.53 | 44.86 |
| 59.6 | 8.9 | 5.9 | 23.9 | 11.7 | 60.9 | 27.4 | 450 | 30 | 10 | 49.5 | 64.2 | 4.5 | 23.6 | 5.8 | 28.8 | 57.48 | 53.32 | (Vamvuka et al., 2019) |
| 53.5 | 7.1 | 2.1 | 36.8 | 19.3 | 73.6 | 7.1 | 450 | 30 | 10 | 38.6 | 81.6 | 4.2 | 11.1 | 2.8 | 31.8 | 54.8 | 58.87 |
| 50.4 | 6.5 | 0.4 | 42.6 | 17.1 | 79.4 | 3.5 | 450 | 30 | 10 | 34.7 | 83.5 | 3.6 | 11.9 | 1 | 31.3 | 54.58 | 57.49 |
| 59.6 | 8.9 | 5.9 | 23.9 | 11.7 | 60.9 | 27.4 | 550 | 30 | 10 | 45 | 66.4 | 2.9 | 23 | 5.5 | 28.9 | 52.44 | 50.13 |
| 53.5 | 7.1 | 2.1 | 36.8 | 19.3 | 73.6 | 7.1 | 550 | 30 | 10 | 34.4 | 84.3 | 3 | 9.7 | 2.6 | 32.4 | 49.76 | 54.2 |
| 50.4 | 6.5 | 0.4 | 42.6 | 17.1 | 79.4 | 3.5 | 550 | 30 | 10 | 30.2 | 89.9 | 2.9 | 3.6 | 0.9 | 33.3 | 50.54 | 53.87 |
| 53.5 | 7.1 | 2.1 | 36.8 | 11.7 | 60.9 | 27.4 | 650 | 30 | 10 | 42.3 | 68.5 | 2.1 | 22.8 | 4.2 | 30.6 | 57.78 | 54.16 |
| 50.4 | 6.5 | 0.4 | 42.6 | 19.3 | 73.6 | 7.1 | 650 | 30 | 10 | 31.1 | 85.4 | 2.3 | 9.5 | 2.3 | 32.1 | 50.17 | 52.7 |
| 42.2 | 6.6 | 4 | 36.4 | 13.6 | 68.3 | 18.1 | 400 | 60 | 10 | 39 | 41.8 | 1 | 20.6 | 3.2 | 12.26 | 30.16 | 38.63 | (Tsai et al., 2012) |
| 42.2 | 6.6 | 4 | 36.4 | 13.6 | 68.3 | 18.1 | 500 | 60 | 10 | 37 | 41.8 | 1 | 18.4 | 2.6 | 12.6 | 29.39 | 36.65 |
| 42.2 | 6.6 | 4 | 36.4 | 13.6 | 68.3 | 18.1 | 600 | 60 | 10 | 36 | 41.1 | 0.8 | 17.6 | 2.5 | 12.16 | 27.61 | 35.06 |
| 42.2 | 6.6 | 4 | 36.4 | 13.6 | 68.3 | 18.1 | 700 | 60 | 10 | 34 | 43.9 | 0.9 | 14.9 | 2 | 13.66 | 29.28 | 35.37 |
| 42.2 | 6.6 | 4 | 36.4 | 13.6 | 68.3 | 18.1 | 800 | 60 | 10 | 34 | 42.1 | 1.1 | 13.5 | 1.6 | 13.6 | 29.17 | 33.92 |
| 33.4 | 47.31 | 1.41 | 17.88 | 4.5 | 80.7 | 14.8 | 350 | 120 | 2.5 | 46.77 | 55.8 | 4.29 | 18.73 | 2.6 | 20.9 | 55.55 | 78.13 | (Cantrell et al., 2012) |
| 33.4 | 47.31 | 1.41 | 17.88 | 4.5 | 80.7 | 14.8 | 700 | 120 | 8.33 | 29.82 | 56.67 | 0.94 | 4.13 | 1.51 | 18.97 | 32.14 | 50.59 |
| 32.87 | 47.89 | 1.48 | 17.77 | 7.9 | 76.7 | 15.4 | 350 | 120 | 2.5 | 43.23 | 53.32 | 4.05 | 15.7 | 3.64 | 20.39 | 49.91 | 70.14 |
| 32.87 | 47.89 | 1.48 | 17.77 | 7.9 | 76.7 | 15.4 | 700 | 120 | 8.33 | 27.24 | 52.41 | 0.91 | 7.2 | 1.7 | 17.23 | 26.58 | 43.44 |
| 31.42 | 46.78 | 2.34 | 19.46 | 8.8 | 74.3 | 16.9 | 350 | 120 | 2.5 | 45.12 | 51.07 | 3.79 | 15.63 | 4.45 | 19.03 | 56.83 | 73.35 |
| 31.42 | 46.78 | 2.34 | 19.46 | 8.8 | 74.3 | 16.9 | 700 | 120 | 8.33 | 30.5 | 45.91 | 1.98 | 10.53 | 2.07 | 14.75 | 29.77 | 44.56 |
| 33.25 | 50.57 | 2.47 | 13.71 | 5.6 | 73.6 | 20.9 | 350 | 120 | 2.5 | 49.28 | 51.51 | 4.91 | 11.1 | 3.54 | 21.12 | 53.68 | 76.34 |
| 33.25 | 50.57 | 2.47 | 13.71 | 5.6 | 73.6 | 20.9 | 700 | 120 | 8.33 | 28.79 | 44.06 | 0.74 | 4.03 | 2.61 | 15.07 | 22.38 | 38.15 |
| 31.97 | 47.79 | 2.32 | 17.92 | 5.7 | 74 | 20.3 | 350 | 120 | 2.5 | 46.31 | 49.28 | 3.6 | 15.4 | 4.07 | 17.28 | 51.69 | 71.39 |
| 31.97 | 47.79 | 2.32 | 17.92 | 5.7 | 74 | 20.3 | 700 | 120 | 8.33 | 31.8 | 44.77 | 0.91 | 5.8 | 1.94 | 14.45 | 29.68 | 44.54 |
| 48.12 | 6.48 | 1.89 | 43.51 | 18.01 | 78.71 | 3.28 | 400 | 60 | 10 | 26.6 | 79.65 | 3.96 | 15.72 | 0.67 | 31.28 | 44.29 | 44.03 | (Liu et al., 2014) |
| 48.12 | 6.48 | 1.89 | 43.51 | 18.01 | 78.71 | 3.28 | 500 | 60 | 10 | 25.32 | 83.27 | 3.33 | 12.62 | 0.78 | 31.85 | 42.91 | 43.82 |
| 48.12 | 6.48 | 1.89 | 43.51 | 18.01 | 78.71 | 3.28 | 600 | 60 | 10 | 24.9 | 84.31 | 2.41 | 12.52 | 0.76 | 30.14 | 39.94 | 43.63 |
| 48.12 | 6.48 | 1.89 | 43.51 | 18.01 | 78.71 | 3.28 | 300 | 60 | 15 | 77.3 | 67.21 | 4.49 | 27.63 | 0.67 | 22.64 | 93.14 | 108.0 |
| 41 | 7.17 | 0.99 | 33.24 | 15.38 | 78.5 | 6.12 | 300 | 30 | 10 | 62.89 | 53.22 | 5.01 | 23.97 | 2.61 | 23.03 | 98.3 | 81.63 | (Liu et al., 2018) |
| 41 | 7.17 | 0.99 | 33.24 | 15.38 | 78.5 | 6.12 | 400 | 30 | 10 | 41.58 | 58.09 | 3.84 | 15.15 | 2.69 | 24.26 | 68.45 | 58.91 |
| 41 | 7.17 | 0.99 | 33.24 | 15.38 | 78.5 | 6.12 | 500 | 30 | 10 | 34.79 | 59.72 | 2.49 | 10.01 | 2.43 | 22.8 | 53.84 | 50.67 |
| 41 | 7.17 | 0.99 | 33.24 | 15.38 | 78.5 | 6.12 | 600 | 30 | 10 | 36.85 | 61.76 | 2.16 | 7.52 | 1.73 | 23.28 | 58.22 | 55.51 |
| 41 | 7.17 | 0.99 | 33.24 | 15.38 | 78.5 | 6.12 | 700 | 30 | 10 | 32.62 | 60 | 1.83 | 9.64 | 0.93 | 21.81 | 48.29 | 47.74 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 300 | 30 | 10 | 62.73 | 49.89 | 4.73 | 30.03 | 2.48 | 17.18 | 65.17 | 72.31 | (He et al., 2018) |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 350 | 30 | 10 | 46.6 | 55.12 | 4.03 | 23.13 | 2.67 | 20.4 | 57.48 | 59.35 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 400 | 30 | 10 | 41.08 | 57.49 | 3.59 | 17.12 | 2.76 | 22.58 | 56.09 | 54.57 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 450 | 30 | 10 | 37.79 | 59.88 | 2.91 | 15.88 | 2.63 | 21.93 | 50.11 | 52.28 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 500 | 30 | 10 | 35.86 | 61.98 | 2.57 | 12.35 | 2.54 | 22.97 | 49.81 | 51.35 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 550 | 30 | 10 | 35.02 | 62.13 | 2.17 | 10.19 | 2.29 | 22.83 | 48.35 | 50.27 |
| 43.28 | 5.92 | 1.96 | 39.32 | 8.93 | 82.21 | 8.86 | 600 | 30 | 10 | 35.79 | 64.03 | 1.78 | 8.55 | 2.23 | 23.13 | 50.07 | 52.95 |
| 51.71 | 5.32 | 0.33 | 42.64 | 17.4 | 80.23 | 2.37 | 500 | 60 | 10 | 24.5 | 85.59 | 2.82 | 10.48 | 1.11 | 32.08 | 37.39 | 40.55 | (Lee et al., 2013) |
| 61.57 | 4.37 | 1.02 | 33.04 | 23.18 | 70.24 | 6.58 | 500 | 60 | 10 | 38.7 | 84.44 | 2.88 | 11.67 | 1.02 | 31.45 | 45.78 | 53.08 |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 200 | 20 | 15 | 83.11 | 50.42 | 5.2 | 42.58 | 1.35 | 8.19 | 36.01 | 87.76 | (Liu and Han, 2015) |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 225 | 20 | 15 | 80.13 | 51.83 | 4.99 | 41.86 | 1.02 | 8.39 | 35.57 | 86.98 |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 250 | 20 | 15 | 69.19 | 53.77 | 4.76 | 40.06 | 1.13 | 9.73 | 35.65 | 77.91 |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 275 | 20 | 15 | 63.87 | 58.08 | 4.55 | 35.97 | 1.12 | 13.81 | 46.69 | 77.69 |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 300 | 20 | 15 | 55.65 | 61.38 | 4.08 | 33.01 | 1.21 | 15.55 | 45.79 | 71.54 |
| 47.75 | 5.61 | 0.9 | 45.51 | 11.1 | 80.85 | 8.05 | 330 | 20 | 15 | 50.21 | 65.36 | 4.12 | 29.05 | 1.18 | 19.81 | 52.65 | 68.73 |
| 41.4 | 5.6 | 0 | 53.1 | 15 | 78.44 | 6.56 | 350 | 20 | 5 | 38.9 | 70.88 | 5.46 | 21.96 | 1.71 | 31.12 | 77.9 | 66.6 | (Crombie and Mašek, 2015) |
| 41.4 | 5.6 | 0 | 53.1 | 15 | 78.44 | 6.56 | 450 | 20 | 5 | 31.2 | 83.11 | 5.4 | 10.12 | 1.36 | 39.79 | 79.9 | 62.63 |
| 41.4 | 5.6 | 0 | 53.1 | 15 | 78.44 | 6.56 | 550 | 20 | 5 | 30.1 | 86.21 | 3.63 | 9.36 | 0.81 | 34.71 | 67.24 | 62.68 |
| 41.4 | 5.6 | 0 | 53.1 | 15 | 78.44 | 6.56 | 650 | 20 | 5 | 29.5 | 94 | 3.68 | 0 | 1.53 | 39.16 | 74.34 | 66.98 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 300 | 30 | 10 | 69.7 | 52.39 | 4.69 | 31.89 | 0.92 | 16.23 | 69.03 | 85.02 | (He et al., 2018) |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 350 | 30 | 10 | 49.11 | 56.12 | 4.12 | 23.98 | 0.89 | 20.47 | 61.34 | 64.17 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 400 | 30 | 10 | 40.13 | 60.88 | 3.63 | 17.39 | 1.03 | 23.51 | 57.57 | 56.88 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 450 | 30 | 10 | 37.56 | 62.57 | 2.79 | 12.02 | 0.86 | 23.71 | 54.36 | 54.72 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 500 | 30 | 10 | 34.06 | 64.12 | 2.41 | 12.53 | 0.88 | 23.22 | 48.26 | 50.85 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 550 | 30 | 10 | 33.52 | 65.09 | 2.18 | 11.98 | 0.86 | 23.24 | 47.54 | 50.8 |
| 42.95 | 5.64 | 0.76 | 40.51 | 9.93 | 80.7 | 9.37 | 600 | 30 | 10 | 33.64 | 66.13 | 1.79 | 7.53 | 0.79 | 23.98 | 49.22 | 51.8 |
| 37.83 | 10.18 | 1.31 | 36.74 | 15.12 | 75.66 | 9.23 | 300 | 30 | 10 | 62.21 | 47.51 | 6.4 | 29.65 | 0.8 | 24.45 | 128.7 | 78.13 | (Li et al., 2022) |
| 37.83 | 10.18 | 1.31 | 36.74 | 15.12 | 75.66 | 9.23 | 400 | 30 | 10 | 40 | 58.74 | 5.3 | 15.32 | 0.95 | 29.78 | 100.8 | 62.11 |
| 37.83 | 10.18 | 1.31 | 36.74 | 15.12 | 75.66 | 9.23 | 500 | 30 | 10 | 36.56 | 61.47 | 3.84 | 8.17 | 0.73 | 27.16 | 84 | 59.41 |
| 37.83 | 10.18 | 1.31 | 36.74 | 15.12 | 75.66 | 9.23 | 600 | 30 | 10 | 32.65 | 65.18 | 2.84 | 5.73 | 0.49 | 25.95 | 71.67 | 56.26 |
| 37.83 | 10.18 | 1.31 | 36.74 | 15.12 | 75.66 | 9.23 | 700 | 30 | 10 | 30.98 | 65.39 | 2.91 | 7.17 | 0.5 | 25.95 | 68.01 | 53.55 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 300 | 30 | 10 | 74.49 | 44.12 | 4.73 | 34.19 | 0.79 | 12.7 | 63.24 | 82.04 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 350 | 30 | 10 | 53.68 | 49.32 | 3.71 | 23.86 | 0.83 | 17.58 | 63.08 | 66.09 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 400 | 30 | 10 | 43.73 | 51.48 | 3.25 | 17.12 | 0.93 | 20.12 | 58.82 | 56.2 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 450 | 30 | 10 | 39.98 | 51.45 | 2.89 | 16.89 | 0.85 | 19.31 | 51.62 | 51.35 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 500 | 30 | 10 | 37.5 | 51.56 | 2.26 | 12.45 | 0.89 | 19.6 | 49.13 | 48.27 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 550 | 30 | 10 | 36.64 | 54.86 | 2.01 | 9.89 | 0.88 | 20.67 | 50.62 | 50.18 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.06 | 76.87 | 13.1 | 600 | 30 | 10 | 35.59 | 55.06 | 1.61 | 5.09 | 0.87 | 21 | 49.96 | 48.92 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 300 | 30 | 10 | 74.32 | 45.2 | 4.83 | 35.25 | 0.81 | 12.42 | 61.71 | 83.86 | (Hong et al., 2020) |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 350 | 30 | 10 | 45.39 | 49.38 | 3.72 | 24.2 | 0.91 | 17.43 | 52.87 | 55.95 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 400 | 30 | 10 | 43.21 | 51.89 | 3.25 | 17.21 | 0.98 | 20.18 | 58.3 | 55.97 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 450 | 30 | 10 | 38.88 | 52.23 | 2.79 | 16.34 | 0.92 | 19.49 | 50.66 | 50.69 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 500 | 30 | 10 | 37.21 | 51.88 | 2.32 | 11.88 | 0.96 | 19.96 | 49.63 | 48.19 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 550 | 30 | 10 | 36.69 | 54.98 | 1.98 | 10.45 | 0.94 | 20.51 | 50.31 | 50.35 |
| 40.06 | 5.47 | 0.69 | 40.23 | 10.16 | 76.86 | 13.0 | 600 | 30 | 10 | 36.88 | 55.79 | 1.58 | 5.89 | 0.93 | 21.05 | 51.88 | 51.36 |
| 38.62 | 6.1 | 1.6 | 32.88 | 13.43 | 71.94 | 14.7 | 300 | 30 | 10 | 72.32 | 48.33 | 5.34 | 24.91 | 2.58 | 22.71 | 117.2 | 90.5 | (Li et al., 2022) |
| 38.62 | 6.1 | 1.6 | 32.88 | 13.43 | 71.94 | 14.7 | 400 | 30 | 10 | 44.56 | 54.28 | 3.65 | 15.64 | 2.15 | 22.51 | 71.55 | 62.63 |
| 38.62 | 6.1 | 1.6 | 32.88 | 13.43 | 71.94 | 14.7 | 500 | 30 | 10 | 39.15 | 54.31 | 3.45 | 11.87 | 1.68 | 23.2 | 64.77 | 55.06 |
| 38.62 | 6.1 | 1.6 | 32.88 | 13.43 | 71.94 | 14.7 | 600 | 30 | 10 | 37.89 | 56.85 | 2.27 | 7.89 | 0.87 | 22.06 | 59.63 | 55.78 |
| 38.62 | 6.1 | 1.6 | 32.88 | 13.43 | 71.94 | 14.7 | 700 | 30 | 10 | 36.12 | 55.28 | 1.88 | 6.84 | 1.08 | 21.19 | 54.59 | 51.7 |
| 49.5 | 5.9 | 0 | 44.7 | 22.31 | 75.62 | 2.07 | 350 | 20 | 5 | 48.7 | 69.64 | 3.79 | 26.58 | 0 | 21.75 | 54.05 | 68.51 | (Crombie et al., 2013) |
| 49.5 | 5.9 | 0 | 44.7 | 22.31 | 75.62 | 2.07 | 450 | 20 | 5 | 36.6 | 79.86 | 2.68 | 17.47 | 0 | 27.22 | 50.83 | 59.05 |
| 49.5 | 5.9 | 0 | 44.7 | 22.31 | 75.62 | 2.07 | 550 | 20 | 5 | 33.2 | 89.93 | 1.57 | 8.5 | 0 | 32.07 | 54.33 | 60.32 |
| 49.5 | 5.9 | 0 | 44.7 | 22.31 | 75.62 | 2.07 | 650 | 20 | 5 | 29.1 | 94.61 | 1.97 | 3.42 | 0 | 35.37 | 52.52 | 55.62 |
| 49.1 | 5.55 | 0.45 | 44.9 | 16.72 | 82.75 | 0.53 | 400 | 30 | 20 | 27.02 | 77.81 | 6.07 | 14.06 | 2.06 | 39.79 | 54.9 | 42.82 | (Li et al., 2022) |
| 49.1 | 5.55 | 0.45 | 44.9 | 16.72 | 82.75 | 0.53 | 500 | 30 | 20 | 25.98 | 82.92 | 4.65 | 10.57 | 1.86 | 36.55 | 48.51 | 43.87 |
| 49.1 | 5.55 | 0.45 | 44.9 | 16.72 | 82.75 | 0.53 | 600 | 30 | 20 | 23.12 | 88.92 | 3.48 | 5.97 | 1.63 | 36 | 42.51 | 41.87 |
| 49.1 | 5.55 | 0.45 | 44.9 | 16.72 | 82.75 | 0.53 | 700 | 30 | 20 | 22.08 | 89.97 | 3.03 | 5.65 | 1.35 | 35.29 | 39.8 | 40.46 |
| 49.1 | 5.55 | 0.45 | 44.9 | 16.72 | 82.75 | 0.53 | 800 | 30 | 20 | 20.78 | 92.21 | 1.71 | 4.91 | 1.17 | 33.8 | 35.87 | 39.02 |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 200 | 20 | 15 | 91 | 51.16 | 6.54 | 40.79 | 1.33 | 16.54 | 80.61 | 96.69 | (Liu and Han, 2015) |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 225 | 20 | 15 | 89.17 | 51.74 | 6.5 | 40.25 | 1.34 | 16.99 | 81.17 | 95.82 |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 250 | 20 | 15 | 79.19 | 52 | 6.35 | 40.14 | 1.34 | 16.38 | 69.49 | 85.52 |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 275 | 20 | 15 | 72 | 53.37 | 6.2 | 38.6 | 1.65 | 17.41 | 67.17 | 79.81 |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 300 | 20 | 15 | 65.16 | 55.52 | 6.07 | 36.51 | 1.68 | 19.21 | 67.05 | 75.13 |
| 48.15 | 6.7 | 1.35 | 43.6 | 13.15 | 85.45 | 1.4 | 330 | 20 | 15 | 61.42 | 59.86 | 5.81 | 32.53 | 1.6 | 22.43 | 73.81 | 76.36 |
| 50.21 | 5.63 | 1.23 | 42.93 | 16.05 | 82.72 | 1.23 | 300 | 10 | 10 | 49.3 | 68.56 | 3.85 | 26.54 | 0.92 | 21.62 | 52.8 | 67.32 | (Chen et al., 2015) |
| 50.21 | 5.63 | 1.23 | 42.93 | 16.05 | 82.72 | 1.23 | 400 | 10 | 10 | 30.7 | 74.64 | 3.48 | 20.8 | 0.94 | 25.81 | 39.26 | 45.64 |
| 50.21 | 5.63 | 1.23 | 42.93 | 16.05 | 82.72 | 1.23 | 500 | 10 | 10 | 26 | 79.12 | 2.53 | 17.19 | 1.03 | 26.75 | 34.45 | 40.97 |
| 50.21 | 5.63 | 1.23 | 42.93 | 16.05 | 82.72 | 1.23 | 600 | 10 | 10 | 24.3 | 83.95 | 1.67 | 13.23 | 1.01 | 28.56 | 34.38 | 40.63 |
| 50.21 | 5.63 | 1.23 | 42.93 | 16.05 | 82.72 | 1.23 | 700 | 10 | 10 | 23.6 | 88.34 | 1.26 | 9.2 | 1.06 | 30.91 | 36.14 | 41.52 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 200 | 60 | 10 | 95.89 | 48.56 | 6.11 | 45.17 | 0.16 | 9.19 | 47.51 | 97.7 | (Zhang, Y. et al., 2017) |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 300 | 60 | 10 | 46.67 | 63.06 | 5.44 | 31.33 | 0.17 | 22.58 | 56.85 | 61.75 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 400 | 60 | 10 | 33.07 | 74.69 | 4.17 | 20.95 | 0.19 | 27.89 | 49.76 | 51.83 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 500 | 60 | 10 | 29.43 | 84.2 | 3.4 | 12.15 | 0.25 | 32.54 | 51.66 | 51.99 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 600 | 60 | 10 | 27.84 | 86.42 | 2.61 | 10.7 | 0.27 | 31.89 | 47.9 | 50.48 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 700 | 60 | 10 | 27.1 | 88.15 | 1.77 | 9.64 | 0.44 | 31.36 | 45.85 | 50.12 |
| 47.66 | 6.18 | 0.15 | 46.01 | 17.14 | 81.26 | 1.6 | 800 | 60 | 10 | 26.3 | 89.63 | 1.44 | 8.46 | 0.47 | 31.8 | 45.11 | 49.46 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 250 | 30 | 5 | 72.1 | 52.95 | 5.71 | 31.65 | 2.85 | 20.85 | 93.85 | 89.58 | (Tag et al., 2016) |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 300 | 30 | 5 | 51.1 | 56.83 | 5.17 | 25.47 | 2.99 | 23.71 | 75.66 | 68.14 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 350 | 30 | 5 | 43.2 | 64.93 | 4.54 | 16.78 | 2.42 | 27.95 | 75.39 | 65.81 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 500 | 30 | 5 | 30.6 | 63.78 | 3.09 | 15.74 | 3.19 | 23.53 | 44.97 | 45.79 |
| 42.62 | 6.36 | 2.08 | 44.78 | 27.8 | 68.2 | 4 | 600 | 30 | 5 | 27.6 | 68.05 | 2.38 | 10.35 | 2.92 | 24.96 | 43.02 | 44.07 |
| 45.92 | 6.21 | 6.9 | 40.09 | 17.67 | 75.28 | 7.05 | 400 | 30 | 5 | 38.4 | 64.05 | 8.48 | 18.37 | 8.58 | 47.79 | 100.88 | 53.56 | (Ucar and Ozkan, 2008) |
| 45.92 | 6.21 | 6.9 | 40.09 | 17.67 | 75.28 | 7.05 | 450 | 30 | 5 | 34.66 | 64.26 | 8.55 | 17.83 | 8.82 | 48.57 | 92.55 | 48.5 |
| 45.92 | 6.21 | 6.9 | 40.09 | 17.67 | 75.28 | 7.05 | 500 | 30 | 5 | 33.23 | 66.8 | 8.72 | 14.84 | 9.05 | 51.71 | 94.46 | 48.34 |
| 39.7 | 7.63 | 1.13 | 38.8 | 16.12 | 76.26 | 7.63 | 300 | 30 | 10 | 69.35 | 52.64 | 6.75 | 27.4 | 0.88 | 29.05 | 145.19 | 91.95 | (Li et al., 2022) |
| 39.7 | 7.63 | 1.13 | 38.8 | 16.12 | 76.26 | 7.63 | 400 | 30 | 10 | 38.66 | 65.89 | 5.35 | 17.34 | 0.86 | 31.25 | 87.08 | 64.16 |
| 39.7 | 7.63 | 1.13 | 38.8 | 16.12 | 76.26 | 7.63 | 500 | 30 | 10 | 33.18 | 71.69 | 3.39 | 10.76 | 1.08 | 28.39 | 67.89 | 59.92 |
| 39.7 | 7.63 | 1.13 | 38.8 | 16.12 | 76.26 | 7.63 | 600 | 30 | 10 | 32.96 | 70.92 | 2.36 | 8.57 | 0.67 | 26.25 | 62.35 | 58.88 |
| 39.7 | 7.63 | 1.13 | 38.8 | 16.12 | 76.26 | 7.63 | 700 | 30 | 10 | 17.68 | 70.8 | 2.04 | 10.72 | 0.61 | 25.14 | 32.03 | 31.53 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 300 | 30 | 10 | 68.22 | 51.82 | 5.29 | 33.81 | 0.62 | 16.99 | 69.23 | 80.49 | (He et al., 2018) |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 350 | 30 | 10 | 42.61 | 61.03 | 4.51 | 22.43 | 0.71 | 24.03 | 61.15 | 59.21 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 400 | 30 | 10 | 38.29 | 65.01 | 3.98 | 16.83 | 0.75 | 26.02 | 59.5 | 56.68 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 450 | 30 | 10 | 35.46 | 66.89 | 3.51 | 12.61 | 0.73 | 26.67 | 56.48 | 54.01 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 500 | 30 | 10 | 32.68 | 67.13 | 2.83 | 10.98 | 0.72 | 25.46 | 49.69 | 49.95 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 550 | 30 | 10 | 31.92 | 70.09 | 2.48 | 7.54 | 0.71 | 26.42 | 50.36 | 50.94 |
| 43.92 | 5.92 | 0.49 | 42.54 | 7.49 | 86.09 | 6.42 | 600 | 30 | 10 | 32.5 | 72.02 | 2.02 | 4.99 | 0.68 | 26.6 | 51.62 | 53.29 |
| 36.71 | 7.77 | 1.19 | 41.55 | 17.96 | 77.67 | 4.38 | 300 | 30 | 10 | 75.72 | 51.56 | 4.7 | 35.36 | 1.4 | 13.25 | 81.72 | 106.4 | (Li et al., 2022) |
| 36.71 | 7.77 | 1.19 | 41.55 | 17.96 | 77.67 | 4.38 | 400 | 30 | 10 | 42.73 | 63.69 | 3.59 | 17.86 | 1.34 | 24 | 83.55 | 74.13 |
| 36.71 | 7.77 | 1.19 | 41.55 | 17.96 | 77.67 | 4.38 | 500 | 30 | 10 | 39.97 | 69.1 | 2.57 | 13.71 | 1.01 | 24.7 | 80.42 | 75.24 |
| 36.71 | 7.77 | 1.19 | 41.55 | 17.96 | 77.67 | 4.38 | 600 | 30 | 10 | 36.68 | 70.79 | 1.7 | 8.12 | 0.72 | 25.21 | 75.34 | 70.73 |
| 36.71 | 7.77 | 1.19 | 41.55 | 17.96 | 77.67 | 4.38 | 700 | 30 | 10 | 33.12 | 65.66 | 1.94 | 9.32 | 0.28 | 23.7 | 63.94 | 59.24 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 300 | 30 | 10 | 72.85 | 48.89 | 5.11 | 36.12 | 1.27 | 13.6 | 58.77 | 81.04 | (He et al., 2018) |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 350 | 30 | 10 | 50.92 | 57.21 | 4.46 | 23.35 | 1.28 | 22.29 | 67.33 | 66.28 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 400 | 30 | 10 | 42.82 | 61.35 | 3.62 | 17.52 | 1.51 | 23.56 | 59.83 | 59.77 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 450 | 30 | 10 | 36.65 | 62.38 | 3.18 | 13.32 | 1.47 | 24.2 | 52.61 | 52.02 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 500 | 30 | 10 | 34.98 | 65.12 | 2.68 | 10.08 | 1.46 | 24.74 | 51.33 | 51.83 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 550 | 30 | 10 | 35.96 | 66.86 | 2.43 | 8.99 | 1.33 | 25 | 53.33 | 54.71 |
| 43.95 | 5.81 | 1.12 | 41.12 | 10.17 | 82.38 | 7.45 | 600 | 30 | 10 | 35.67 | 67.51 | 2.05 | 4.87 | 1.3 | 25.21 | 53.33 | 54.79 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 300 | 30 | 10 | 73.82 | 48.9 | 5.08 | 36.2 | 1.26 | 13.41 | 58.71 | 82.13 | (Hong et al., 2020) |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 350 | 30 | 10 | 45.72 | 57.18 | 4.5 | 23.3 | 1.27 | 22.46 | 60.9 | 59.48 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 400 | 30 | 10 | 40.52 | 61.32 | 3.65 | 17.62 | 1.5 | 23.6 | 56.7 | 56.53 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 450 | 30 | 10 | 38.32 | 62.4 | 3.2 | 13.01 | 1.46 | 24.36 | 55.37 | 54.41 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 500 | 30 | 10 | 36.01 | 65.15 | 2.71 | 10.02 | 1.45 | 24.83 | 53.03 | 53.38 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 550 | 30 | 10 | 34.98 | 66.9 | 2.45 | 9 | 1.33 | 25.05 | 51.98 | 53.25 |
| 43.95 | 5.81 | 1.12 | 41.12 | 9.98 | 82.63 | 7.39 | 600 | 30 | 10 | 35.89 | 67.48 | 2.02 | 4.76 | 1.3 | 25.16 | 53.56 | 55.1 |
| 55.82 | 5.62 | 0.84 | 37.73 | 20.32 | 75.82 | 3.86 | 500 | 60 | 10 | 32.2 | 87.85 | 2.91 | 8.14 | 1.11 | 33.72 | 47.09 | 50.68 | (Lee et al., 2013) |
| 50.52 | 5.81 | 0.23 | 43.44 | 11.73 | 87.83 | 0.44 | 500 | 60 | 10 | 22.3 | 89.31 | 2.57 | 7.34 | 0.78 | 33.71 | 37.25 | 39.42 |
| 53.42 | 6.12 | 1.4 | 39.06 | 18 | 76.56 | 5.44 | 500 | 60 | 10 | 31.9 | 84.84 | 3.13 | 10.2 | 1.83 | 32.6 | 48.05 | 50.66 |
| 40.8 | 4.1 | 3.9 | 42 | 5.59 | 84.56 | 9.86 | 300 | 30 | 5 | 52.3 | 51.7 | 5 | 21.2 | 2.9 | 24.13 | 77.89 | 66.27 | (Patra et al., 2021) |
| 40.8 | 4.1 | 3.9 | 42 | 5.59 | 84.56 | 9.86 | 400 | 30 | 5 | 33.8 | 53.5 | 4.8 | 14.7 | 2.6 | 26.6 | 55.47 | 44.32 |
| 40.8 | 4.1 | 3.9 | 42 | 5.59 | 84.56 | 9.86 | 500 | 30 | 5 | 32.6 | 57 | 4 | 10.9 | 2.5 | 25.81 | 51.93 | 45.54 |
| 40.8 | 4.1 | 3.9 | 42 | 5.59 | 84.56 | 9.86 | 600 | 30 | 5 | 30.3 | 58.4 | 3.6 | 7.1 | 2.5 | 25.78 | 48.2 | 43.37 |
| 42.5 | 5.1 | 2.2 | 40.5 | 4.33 | 85.71 | 9.96 | 600 | 60 | 5 | 28.8 | 63.5 | 4.8 | 10.3 | 3.6 | 30.63 | 53.43 | 43.03 |
| 43.2 | 5.5 | 0.2 | 45.7 | 7.22 | 87.05 | 5.73 | 600 | 60 | 5 | 29.1 | 67 | 4.8 | 12.6 | 0.7 | 31.05 | 54.66 | 45.13 |
| 42 | 5.5 | 0.1 | 44.9 | 15.32 | 77.28 | 7.41 | 350 | 10 | 5 | 42.1 | 61.4 | 3.6 | 19 | 1 | 22.86 | 60.53 | 61.55 | (Crombie and Mašek, 2015) |
| 42 | 5.5 | 0.1 | 44.9 | 15.32 | 77.28 | 7.41 | 650 | 10 | 5 | 31.2 | 71.1 | 1.3 | 5.8 | 1 | 25.22 | 49.48 | 52.82 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 250 | 30 | 5 | 71.2 | 50.8 | 5.2 | 37.3 | 1.3 | 13.37 | 61.46 | 88.52 | (Tag et al., 2016) |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 300 | 30 | 5 | 58.6 | 57 | 4.14 | 29.59 | 2.09 | 17.13 | 64.82 | 81.75 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 350 | 30 | 5 | 41.2 | 64.7 | 4.05 | 21.25 | 1.3 | 24.12 | 64.16 | 65.24 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 500 | 30 | 5 | 33.5 | 71.29 | 3.38 | 13.31 | 1.42 | 27.49 | 59.46 | 58.45 |
| 40.86 | 5.27 | 1.03 | 48.07 | 24.8 | 70.9 | 4.3 | 600 | 30 | 5 | 29.6 | 72.25 | 2.47 | 12.33 | 1.45 | 25.96 | 49.6 | 52.34 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 250 | 30 | 5 | 65.1 | 52.3 | 5 | 28.2 | 5 | 20.1 | 96.63 | 95.37 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 300 | 30 | 5 | 49.8 | 53.57 | 3.69 | 24.34 | 5.41 | 18.25 | 67.12 | 74.73 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 350 | 30 | 5 | 40.5 | 57 | 3.19 | 15.91 | 5.3 | 21.83 | 65.29 | 64.66 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 500 | 30 | 5 | 33.3 | 60.35 | 2.44 | 11.25 | 4.16 | 22.56 | 55.47 | 56.29 |
| 35.7 | 5.27 | 9.61 | 40.98 | 23.5 | 68.3 | 8.2 | 600 | 30 | 5 | 31.1 | 56.6 | 2.02 | 8.22 | 3.86 | 21.5 | 49.37 | 49.31 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.16 | 350 | 60 | 10 | 32.7 | 75.74 | 5.29 | 18.75 | 0.22 | 33.6 | 53.07 | 47.74 | (Yu et al., 2019) |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.16 | 400 | 60 | 10 | 27.9 | 77.85 | 4.9 | 17.06 | 0.2 | 33.47 | 45.1 | 41.87 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.16 | 500 | 60 | 10 | 23.3 | 85.79 | 3.89 | 10.1 | 0.23 | 35.16 | 39.57 | 38.53 |
| 51.88 | 6.21 | 0.16 | 41.76 | 15.09 | 84.75 | 0.16 | 600 | 60 | 10 | 20.7 | 91.56 | 2.96 | 5.11 | 0.38 | 35.86 | 35.85 | 36.53 |

# **HTC dataset**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C (%) | H (%) | N (%) | O (%) | WC (%) | VM (%) | FC (%) | Ash (%) | T (°C) | RT (min) | Char\_ yield (%) | Char\_C (%) | Char\_H (%) | Char\_N (%) | Char\_O (%) | HHV (MJ/kg) | ER (%) | CR (%) | Reference |
| 44.06 | 6.25 | 4.20 | 32.18 | 90.10 | 80.30 | 5.10 | 13.01 | 210 | 30 | 45.40 | 46.92 | 6.15 | 3.01 | 19.21 | 21.13 | 50.07 | 48.35 | (Su et al., 2021) |
| 44.06 | 6.25 | 4.20 | 32.18 | 90.10 | 80.30 | 5.10 | 13.01 | 240 | 30 | 37.50 | 47.01 | 6.07 | 1.92 | 16.67 | 21.24 | 41.57 | 40.01 |
| 44.06 | 6.25 | 4.20 | 32.18 | 90.10 | 80.30 | 5.10 | 13.01 | 270 | 30 | 36.40 | 47.12 | 5.60 | 2.25 | 13.82 | 20.97 | 39.84 | 38.93 |
| 44.06 | 6.25 | 4.20 | 32.18 | 90.10 | 80.30 | 5.10 | 13.01 | 270 | 60 | 34.80 | 49.16 | 5.92 | 2.06 | 11.21 | 22.32 | 40.54 | 38.83 |
| 44.06 | 6.25 | 4.20 | 32.18 | 90.10 | 80.30 | 5.10 | 13.01 | 270 | 90 | 34.30 | 51.82 | 6.32 | 2.00 | 7.67 | 24.07 | 43.09 | 40.34 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 160 | 60 | 94.15 | 24.05 | 3.21 | 2.81 | 14.43 | 10.14 | 90.19 | 87.66 | (Gao et al., 2019) |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 180 | 60 | 84.01 | 26.39 | 2.70 | 2.16 | 10.56 | 10.88 | 86.27 | 85.83 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 200 | 30 | 71.24 | 26.59 | 2.64 | 1.86 | 10.99 | 10.76 | 72.37 | 73.34 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 200 | 60 | 67.89 | 26.97 | 2.56 | 1.89 | 9.71 | 11.01 | 70.59 | 70.89 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 200 | 90 | 66.31 | 27.25 | 2.57 | 1.91 | 8.72 | 11.33 | 70.91 | 69.96 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 200 | 120 | 66.04 | 27.83 | 2.57 | 1.95 | 8.53 | 11.58 | 72.21 | 71.15 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 220 | 60 | 65.89 | 27.23 | 2.54 | 1.91 | 6.54 | 11.70 | 72.76 | 69.46 |
| 25.83 | 4.14 | 4.23 | 22.70 | 93.00 | 46.67 | 10.23 | 43.10 | 240 | 90 | 61.83 | 27.87 | 2.51 | 1.95 | 5.57 | 12.01 | 70.11 | 66.71 |
| 31.61 | 5.24 | 4.34 | 24.62 | 83.00 | 60.67 | 5.14 | 34.19 | 160 | 600 | 70.75 | 29.00 | 4.71 | 2.71 | 18.56 | 13.20 | 67.81 | 64.91 | (Liu et al., 2019) |
| 31.61 | 5.24 | 4.34 | 24.62 | 83.00 | 60.67 | 5.14 | 34.19 | 180 | 600 | 67.22 | 29.23 | 4.63 | 2.39 | 15.98 | 13.58 | 66.32 | 62.16 |
| 31.61 | 5.24 | 4.34 | 24.62 | 83.00 | 60.67 | 5.14 | 34.19 | 200 | 600 | 65.05 | 29.97 | 4.45 | 2.10 | 14.39 | 13.90 | 65.68 | 61.68 |
| 31.61 | 5.24 | 4.34 | 24.62 | 83.00 | 60.67 | 5.14 | 34.19 | 220 | 600 | 61.73 | 28.81 | 4.25 | 2.02 | 14.60 | 13.20 | 59.16 | 56.26 |
| 31.61 | 5.24 | 4.34 | 24.62 | 83.00 | 60.67 | 5.14 | 34.19 | 240 | 600 | 59.85 | 30.65 | 4.19 | 2.15 | 8.58 | 14.77 | 64.19 | 58.03 |
| 36.70 | 6.40 | 5.50 | 22.80 | 85.70 | 69.98 | 1.42 | 28.60 | 200 | 240 | 53.90 | 33.30 | 4.41 | 1.94 | 16.43 | 14.62 | 45.13 | 48.91 | (He et al., 2013) |
| 36.70 | 6.40 | 5.50 | 22.80 | 85.70 | 69.98 | 1.42 | 28.60 | 200 | 360 | 58.60 | 33.20 | 4.29 | 1.94 | 15.94 | 14.50 | 48.66 | 53.01 |
| 36.70 | 6.40 | 5.50 | 22.80 | 85.70 | 69.98 | 1.42 | 28.60 | 200 | 480 | 59.80 | 32.60 | 4.21 | 2.28 | 16.52 | 14.10 | 48.28 | 53.12 |
| 36.70 | 6.40 | 5.50 | 22.80 | 85.70 | 69.98 | 1.42 | 28.60 | 200 | 600 | 60.20 | 32.50 | 4.09 | 2.28 | 14.73 | 14.23 | 49.04 | 53.31 |
| 36.70 | 6.40 | 5.50 | 22.80 | 85.70 | 69.98 | 1.42 | 28.60 | 200 | 720 | 60.40 | 32.50 | 4.09 | 2.28 | 14.30 | 14.25 | 49.27 | 53.49 |
| 22.65 | 3.22 | 1.32 | 25.37 | 93.75 | 47.38 | 5.18 | 47.44 | 180 | 30 | 78.00 | 20.91 | 2.60 | 0.73 | 20.91 | 7.06 | 71.18 | 72.01 | (Lin et al., 2015) |
| 22.65 | 3.22 | 1.32 | 25.37 | 93.75 | 47.38 | 5.18 | 47.44 | 210 | 30 | 76.00 | 20.32 | 2.30 | 0.47 | 18.97 | 6.77 | 66.57 | 68.18 |
| 22.65 | 3.22 | 1.32 | 25.37 | 93.75 | 47.38 | 5.18 | 47.44 | 240 | 30 | 72.50 | 19.66 | 1.97 | 0.46 | 17.30 | 6.34 | 59.48 | 62.93 |
| 22.65 | 3.22 | 1.32 | 25.37 | 93.75 | 47.38 | 5.18 | 47.44 | 270 | 30 | 68.00 | 19.17 | 1.89 | 0.45 | 14.82 | 6.54 | 57.49 | 57.55 |
| 22.65 | 3.22 | 1.32 | 25.37 | 93.75 | 47.38 | 5.18 | 47.44 | 300 | 30 | 65.00 | 19.11 | 1.70 | 0.45 | 12.49 | 6.66 | 56.02 | 54.84 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 180 | 15 | 62.26 | 52.19 | 6.57 | 9.13 | 30.81 | 25.25 | 65.06 | 63.46 | (Zhao et al., 2014) |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 180 | 30 | 60.07 | 53.20 | 6.52 | 8.69 | 29.91 | 25.89 | 64.35 | 62.41 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 180 | 45 | 58.08 | 55.31 | 6.68 | 9.03 | 27.55 | 27.70 | 66.58 | 62.74 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 200 | 15 | 59.73 | 55.07 | 6.70 | 8.99 | 27.62 | 27.48 | 67.92 | 64.24 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 200 | 30 | 58.56 | 57.44 | 6.65 | 8.71 | 25.61 | 28.67 | 69.48 | 65.70 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 200 | 45 | 56.78 | 59.23 | 6.66 | 8.29 | 24.84 | 29.54 | 69.40 | 65.69 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 220 | 15 | 58.36 | 59.31 | 6.67 | 9.00 | 23.80 | 29.56 | 71.39 | 67.60 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 220 | 30 | 55.55 | 60.00 | 6.45 | 8.40 | 24.13 | 29.47 | 67.74 | 65.10 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 220 | 45 | 54.18 | 62.31 | 6.28 | 8.72 | 21.47 | 30.02 | 67.31 | 65.93 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 240 | 15 | 54.59 | 61.29 | 6.28 | 9.30 | 22.17 | 29.64 | 66.95 | 65.35 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 240 | 30 | 52.60 | 62.62 | 5.95 | 8.04 | 21.93 | 29.66 | 64.56 | 64.34 |
| 51.20 | 6.64 | 8.85 | 14.61 | 90.00 | 79.27 | 2.03 | 18.70 | 240 | 45 | 50.21 | 67.96 | 5.72 | 8.72 | 16.25 | 31.11 | 64.63 | 66.64 |
| 21.86 | 3.37 | 3.83 | 29.14 | 83.00 | 55.00 | 3.20 | 41.80 | 220 | 60 | 59.07 | 23.64 | 2.84 | 2.48 | 11.03 | 10.05 | 84.73 | 63.88 | (Ma et al., 2019) |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 140 | 240 | 74.64 | 37.15 | 5.32 | 4.77 | 30.22 | 14.82 | 68.16 | 75.70 | (Danso-Boateng et al., 2015) |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 160 | 60 | 81.13 | 37.69 | 5.75 | 4.40 | 19.10 | 17.56 | 87.80 | 83.48 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 160 | 120 | 71.08 | 38.02 | 5.64 | 4.44 | 20.28 | 17.27 | 75.66 | 73.78 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 160 | 240 | 67.11 | 38.07 | 5.42 | 3.55 | 18.27 | 17.32 | 71.62 | 69.75 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 180 | 30 | 70.74 | 37.83 | 5.49 | 3.97 | 19.17 | 17.19 | 74.95 | 73.06 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 180 | 60 | 67.18 | 37.93 | 5.37 | 3.98 | 18.71 | 17.13 | 70.94 | 69.56 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 180 | 120 | 64.31 | 38.16 | 5.31 | 2.67 | 16.28 | 17.62 | 69.83 | 67.00 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 180 | 240 | 61.87 | 38.29 | 5.20 | 2.68 | 14.81 | 17.74 | 67.64 | 64.67 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 200 | 15 | 69.32 | 37.69 | 5.40 | 3.08 | 18.09 | 17.25 | 73.68 | 71.33 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 200 | 30 | 66.83 | 37.85 | 5.39 | 3.09 | 17.66 | 17.37 | 71.55 | 69.06 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 200 | 60 | 64.06 | 37.95 | 5.22 | 2.66 | 18.22 | 17.04 | 67.25 | 66.37 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 200 | 120 | 61.26 | 38.86 | 5.15 | 2.72 | 15.03 | 17.77 | 67.09 | 64.99 |
| 36.63 | 5.79 | 5.29 | 24.75 | 95.70 | 68.56 | 3.90 | 27.54 | 200 | 240 | 60.54 | 39.24 | 5.13 | 2.75 | 14.13 | 18.04 | 67.31 | 64.85 |
| 29.60 | 4.30 | 4.35 | 21.15 | 89.00 | 51.13 | 8.27 | 40.60 | 200 | 240 | 51.00 | 26.20 | 3.14 | 2.45 | 11.88 | 11.22 | 46.25 | 45.14 | (Wilk et al., 2019) |
| 38.55 | 6.46 | 8.05 | 20.88 | 96.20 | 66.87 | 7.07 | 26.06 | 180 | 30 | 93.90 | 39.98 | 5.93 | 7.00 | 17.59 | 18.82 | 95.44 | 97.38 | (Kim et al., 2018) |
| 38.55 | 6.46 | 8.05 | 20.88 | 96.20 | 66.87 | 7.07 | 26.06 | 200 | 30 | 92.60 | 40.39 | 5.79 | 7.07 | 17.23 | 18.82 | 94.13 | 97.02 |
| 38.55 | 6.46 | 8.05 | 20.88 | 96.20 | 66.87 | 7.07 | 26.06 | 220 | 30 | 88.70 | 41.60 | 5.41 | 6.31 | 13.31 | 19.35 | 92.71 | 95.72 |
| 38.55 | 6.46 | 8.05 | 20.88 | 96.20 | 66.87 | 7.07 | 26.06 | 250 | 30 | 83.40 | 45.23 | 4.79 | 6.33 | 4.82 | 21.22 | 95.58 | 97.85 |
| 38.55 | 6.46 | 8.05 | 20.88 | 96.20 | 66.87 | 7.07 | 26.06 | 280 | 30 | 80.40 | 48.45 | 4.12 | 5.09 | 2.58 | 21.83 | 94.77 | 101.05 |
| 39.72 | 5.91 | 7.15 | 26.31 | 88.00 | 71.53 | 7.56 | 20.91 | 220 | 30 | 39.78 | 40.42 | 4.65 | 3.77 | 12.40 | 18.06 | 41.87 | 40.48 | (Zhang, X. et al., 2017) |
| 34.78 | 3.93 | 5.04 | 22.93 | 82.50 | 58.54 | 8.14 | 33.32 | 160 | 30 | 68.80 | 35.53 | 4.20 | 4.97 | 16.58 | 15.04 | 77.91 | 70.28 | (Aragon Briceño, 2018) |
| 34.78 | 3.93 | 5.04 | 22.93 | 82.50 | 58.54 | 8.14 | 33.32 | 220 | 30 | 73.40 | 33.21 | 3.90 | 1.94 | 15.94 | 13.99 | 77.35 | 70.09 |
| 34.78 | 3.93 | 5.04 | 22.93 | 82.50 | 58.54 | 8.14 | 33.32 | 250 | 30 | 56.80 | 38.03 | 4.88 | 4.44 | 15.72 | 16.98 | 72.63 | 62.11 |
| 46.93 | 6.11 | 4.17 | 25.36 | 75.00 | 76.76 | 5.82 | 17.43 | 140 | 240 | 72.75 | 44.43 | 5.81 | 2.59 | 23.70 | 19.11 | 69.31 | 68.87 | (Danso-Boateng et al., 2013) |
| 46.93 | 6.11 | 4.17 | 25.36 | 75.00 | 76.76 | 5.82 | 17.43 | 170 | 240 | 66.75 | 45.77 | 5.99 | 2.14 | 21.36 | 20.24 | 67.36 | 65.10 |
| 46.93 | 6.11 | 4.17 | 25.36 | 75.00 | 76.76 | 5.82 | 17.43 | 190 | 240 | 62.40 | 45.58 | 5.70 | 2.13 | 21.27 | 19.71 | 61.33 | 60.60 |
| 46.93 | 6.11 | 4.17 | 25.36 | 75.00 | 76.76 | 5.82 | 17.43 | 200 | 240 | 62.15 | 46.17 | 5.81 | 1.62 | 19.70 | 20.34 | 63.04 | 61.14 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 180 | 30 | 66.18 | 21.23 | 3.50 | 1.73 | 5.10 | 11.26 | 64.22 | 56.13 | (Peng et al., 2016) |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 220 | 30 | 60.58 | 19.62 | 3.22 | 1.37 | 3.92 | 10.54 | 55.02 | 47.49 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 260 | 30 | 56.23 | 24.27 | 3.92 | 1.70 | 7.77 | 12.40 | 60.10 | 54.52 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 300 | 30 | 53.00 | 21.94 | 3.36 | 1.02 | 2.63 | 11.74 | 53.62 | 46.46 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 260 | 60 | 58.51 | 24.49 | 3.67 | 1.71 | 5.22 | 12.62 | 63.63 | 57.25 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 260 | 60 | 59.37 | 24.13 | 3.72 | 1.41 | 8.69 | 11.93 | 61.06 | 57.24 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 260 | 360 | 63.32 | 19.90 | 3.23 | 1.16 | 5.84 | 10.29 | 56.19 | 50.34 |
| 25.03 | 4.21 | 4.86 | 16.05 | 90.00 | 47.49 | 2.66 | 49.85 | 260 | 480 | 66.19 | 24.12 | 3.70 | 1.41 | 11.26 | 11.41 | 65.12 | 63.78 |
| 43.79 | 6.58 | 9.58 | 24.64 | 90.42 | 84.59 | 0.00 | 15.41 | 160 | 60 | 62.11 | 44.56 | 6.50 | 7.80 | 41.00 | 17.02 | 53.41 | 63.20 | (Yu et al., 2018) |
| 43.79 | 6.58 | 9.58 | 24.64 | 90.42 | 84.59 | 0.00 | 15.41 | 200 | 60 | 43.15 | 46.16 | 6.54 | 7.00 | 40.01 | 17.77 | 38.74 | 45.49 |
| 43.79 | 6.58 | 9.58 | 24.64 | 90.42 | 84.59 | 0.00 | 15.41 | 240 | 60 | 32.42 | 49.81 | 6.56 | 5.23 | 37.86 | 19.38 | 31.75 | 36.88 |
| 36.00 | 5.80 | 5.50 | 29.60 | 83.30 | 73.20 | 3.70 | 23.10 | 180 | 30 | 82.20 | 38.00 | 5.51 | 4.88 | 25.33 | 16.16 | 87.60 | 86.77 | (Reza et al., 2018) |
| 36.00 | 5.80 | 5.50 | 29.60 | 83.30 | 73.20 | 3.70 | 23.10 | 220 | 30 | 60.40 | 39.60 | 5.31 | 5.08 | 22.70 | 16.88 | 67.23 | 66.44 |
| 36.00 | 5.80 | 5.50 | 29.60 | 83.30 | 73.20 | 3.70 | 23.10 | 260 | 30 | 50.20 | 38.70 | 5.10 | 4.06 | 20.64 | 16.66 | 55.17 | 53.97 |
| 45.03 | 5.70 | 0.44 | 44.93 | 90.00 | 75.48 | 20.62 | 3.90 | 160 | 60 | 79.90 | 47.67 | 5.84 | 0.56 | 43.86 | 16.60 | 86.39 | 84.58 | (Ma et al., 2018) |
| 45.03 | 5.70 | 0.44 | 44.93 | 90.00 | 75.48 | 20.62 | 3.90 | 180 | 60 | 65.20 | 49.30 | 5.75 | 0.58 | 41.41 | 17.49 | 74.29 | 71.38 |
| 45.03 | 5.70 | 0.44 | 44.93 | 90.00 | 75.48 | 20.62 | 3.90 | 200 | 60 | 61.30 | 51.95 | 5.80 | 0.61 | 36.71 | 19.33 | 77.19 | 70.72 |
| 45.03 | 5.70 | 0.44 | 44.93 | 90.00 | 75.48 | 20.62 | 3.90 | 220 | 60 | 57.30 | 54.35 | 5.84 | 0.63 | 34.78 | 20.49 | 76.46 | 69.16 |
| 45.03 | 5.70 | 0.44 | 44.93 | 90.00 | 75.48 | 20.62 | 3.90 | 240 | 60 | 49.20 | 60.68 | 5.56 | 0.71 | 29.94 | 23.13 | 74.13 | 66.30 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 190 | 90 | 67.00 | 46.70 | 5.49 | 0.00 | 44.21 | 15.81 | 72.91 | 72.60 | (Zhang et al., 2015) |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 210 | 90 | 58.00 | 51.40 | 5.40 | 0.00 | 37.01 | 18.52 | 73.92 | 69.17 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 230 | 90 | 49.00 | 64.00 | 4.91 | 0.75 | 24.75 | 24.23 | 81.68 | 72.76 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 250 | 90 | 44.00 | 65.00 | 4.60 | 0.76 | 23.40 | 24.33 | 73.67 | 66.36 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 270 | 90 | 40.00 | 65.60 | 4.37 | 0.77 | 23.62 | 24.24 | 66.71 | 60.88 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 290 | 90 | 39.50 | 66.70 | 4.39 | 0.78 | 21.34 | 24.96 | 67.85 | 61.13 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 310 | 90 | 38.50 | 67.70 | 4.51 | 0.79 | 20.76 | 25.56 | 67.72 | 60.47 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 330 | 90 | 37.00 | 67.30 | 4.21 | 0.79 | 23.33 | 24.59 | 62.62 | 57.77 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 350 | 90 | 34.00 | 71.60 | 4.00 | 0.84 | 17.18 | 26.80 | 62.70 | 56.48 |
| 43.10 | 5.80 | 0.23 | 46.67 | 90.00 | 78.60 | 17.20 | 4.20 | 370 | 90 | 33.00 | 70.30 | 4.28 | 0.82 | 17.81 | 26.71 | 60.65 | 53.83 |
| 53.86 | 3.02 | 7.55 | 17.17 | 90.25 | 78.62 | 2.98 | 18.40 | 200 | 30 | 75.00 | 64.92 | 2.98 | 7.57 | 6.06 | 25.18 | 97.03 | 90.40 | (McGaughy and Toufiq Reza, 2018) |
| 53.86 | 3.02 | 7.55 | 17.17 | 90.25 | 78.62 | 2.98 | 18.40 | 230 | 30 | 74.50 | 68.50 | 2.85 | 7.99 | 0.00 | 27.24 | 104.28 | 94.75 |
| 53.86 | 3.02 | 7.55 | 17.17 | 90.25 | 78.62 | 2.98 | 18.40 | 260 | 30 | 68.50 | 70.53 | 2.82 | 8.23 | 3.76 | 28.60 | 100.67 | 89.70 |
| 43.53 | 6.20 | 1.23 | 47.49 | 92.00 | 83.64 | 14.81 | 1.55 | 190 | 15 | 36.00 | 62.45 | 5.41 | 0.73 | 30.81 | 23.36 | 55.70 | 51.65 | (Zhang et al., 2018) |
| 43.53 | 6.20 | 1.23 | 47.49 | 92.00 | 83.64 | 14.81 | 1.55 | 225 | 15 | 36.00 | 64.20 | 5.35 | 0.75 | 29.10 | 24.07 | 57.38 | 53.09 |
| 43.53 | 6.20 | 1.23 | 47.49 | 92.00 | 83.64 | 14.81 | 1.55 | 260 | 15 | 39.00 | 66.81 | 5.01 | 0.78 | 26.72 | 24.98 | 64.52 | 59.86 |
| 47.94 | 6.66 | 1.96 | 40.97 | 92.00 | 81.65 | 15.88 | 2.47 | 190 | 15 | 27.00 | 55.89 | 7.08 | 2.61 | 33.53 | 23.05 | 33.82 | 31.48 |
| 47.94 | 6.66 | 1.96 | 40.97 | 92.00 | 81.65 | 15.88 | 2.47 | 225 | 15 | 27.00 | 62.10 | 6.93 | 2.17 | 28.15 | 25.91 | 38.01 | 34.97 |
| 47.94 | 6.66 | 1.96 | 40.97 | 92.00 | 81.65 | 15.88 | 2.47 | 260 | 15 | 27.00 | 67.48 | 7.09 | 2.36 | 22.49 | 28.89 | 42.38 | 38.01 |
| 44.15 | 6.44 | 0.62 | 46.79 | 92.00 | 83.14 | 14.86 | 2.00 | 190 | 15 | 36.00 | 53.89 | 6.20 | 0.63 | 37.36 | 20.38 | 46.51 | 43.94 |
| 44.15 | 6.44 | 0.62 | 46.79 | 92.00 | 83.14 | 14.86 | 2.00 | 225 | 15 | 28.00 | 61.23 | 6.33 | 0.71 | 31.02 | 24.15 | 42.87 | 38.83 |
| 44.15 | 6.44 | 0.62 | 46.79 | 92.00 | 83.14 | 14.86 | 2.00 | 260 | 15 | 30.00 | 64.90 | 5.79 | 0.76 | 26.83 | 25.42 | 48.33 | 44.10 |
| 44.14 | 6.18 | 1.27 | 41.91 | 92.00 | 76.22 | 17.28 | 6.50 | 190 | 15 | 38.00 | 55.73 | 5.48 | 1.30 | 34.18 | 20.53 | 47.95 | 47.98 |
| 44.14 | 6.18 | 1.27 | 41.91 | 92.00 | 76.22 | 17.28 | 6.50 | 225 | 15 | 40.00 | 61.46 | 5.17 | 1.43 | 30.32 | 22.80 | 56.06 | 55.70 |
| 44.14 | 6.18 | 1.27 | 41.91 | 92.00 | 76.22 | 17.28 | 6.50 | 260 | 15 | 45.00 | 63.91 | 5.06 | 1.49 | 24.71 | 24.38 | 67.42 | 65.16 |
| 46.66 | 6.00 | 0.21 | 46.33 | 92.00 | 87.59 | 11.61 | 0.80 | 190 | 15 | 78.00 | 48.76 | 5.97 | 0.00 | 44.86 | 17.05 | 82.69 | 81.51 |
| 46.66 | 6.00 | 0.21 | 46.33 | 92.00 | 87.59 | 11.61 | 0.80 | 225 | 15 | 64.00 | 49.62 | 5.91 | 0.00 | 43.67 | 17.47 | 69.54 | 68.06 |
| 46.66 | 6.00 | 0.21 | 46.33 | 92.00 | 87.59 | 11.61 | 0.80 | 260 | 15 | 48.00 | 65.33 | 4.95 | 0.00 | 28.75 | 24.08 | 71.88 | 67.21 |
| 49.48 | 6.86 | 2.84 | 34.29 | 83.00 | 76.05 | 17.42 | 6.53 | 180 | 60 | 86.00 | 56.14 | 6.92 | 1.96 | 31.44 | 23.30 | 98.25 | 97.58 | (PetroviĿ et al., 2016) |
| 49.48 | 6.86 | 2.84 | 34.29 | 83.00 | 76.05 | 17.42 | 6.53 | 200 | 60 | 78.00 | 58.63 | 7.08 | 2.05 | 28.92 | 24.80 | 94.83 | 92.42 |
| 49.48 | 6.86 | 2.84 | 34.29 | 83.00 | 76.05 | 17.42 | 6.53 | 220 | 60 | 66.00 | 60.51 | 6.50 | 2.12 | 23.40 | 25.51 | 82.54 | 80.71 |
| 41.96 | 8.01 | 3.45 | 35.08 | 80.00 | 72.60 | 15.90 | 11.50 | 180 | 60 | 53.82 | 65.51 | 7.37 | 3.06 | 14.85 | 30.02 | 83.50 | 84.03 | (Wang et al., 2018) |
| 41.96 | 8.01 | 3.45 | 35.08 | 80.00 | 72.60 | 15.90 | 11.50 | 200 | 60 | 45.52 | 66.49 | 7.15 | 3.10 | 15.07 | 30.02 | 70.63 | 72.13 |
| 41.96 | 8.01 | 3.45 | 35.08 | 80.00 | 72.60 | 15.90 | 11.50 | 220 | 60 | 40.25 | 68.54 | 6.74 | 3.20 | 14.62 | 30.17 | 62.76 | 65.75 |
| 41.96 | 8.01 | 3.45 | 35.08 | 80.00 | 72.60 | 15.90 | 11.50 | 240 | 60 | 38.20 | 69.36 | 6.94 | 4.05 | 12.02 | 31.14 | 61.47 | 63.14 |
| 41.96 | 8.01 | 3.45 | 35.08 | 80.00 | 72.60 | 15.90 | 11.50 | 260 | 60 | 35.01 | 71.96 | 7.38 | 4.20 | 10.55 | 33.00 | 59.71 | 60.04 |
| 46.30 | 7.01 | 1.61 | 43.15 | 87.50 | 88.60 | 9.47 | 1.93 | 180 | 120 | 36.70 | 58.90 | 5.35 | 2.75 | 30.63 | 22.08 | 45.12 | 46.69 | (Velebil et al., 2016) |
| 46.30 | 7.01 | 1.61 | 43.15 | 87.50 | 88.60 | 9.47 | 1.93 | 180 | 560 | 47.20 | 64.80 | 5.99 | 3.02 | 25.06 | 26.04 | 68.44 | 66.06 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 180 | 720 | 55.60 | 67.30 | 5.55 | 2.36 | 23.33 | 26.51 | 82.07 | 80.82 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 215 | 120 | 51.90 | 67.60 | 5.63 | 2.37 | 22.53 | 26.91 | 77.76 | 75.78 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 215 | 560 | 52.60 | 65.90 | 5.44 | 2.31 | 24.60 | 25.66 | 75.13 | 74.87 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 215 | 720 | 52.70 | 68.70 | 5.50 | 2.40 | 21.07 | 27.28 | 80.03 | 78.20 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 250 | 120 | 49.40 | 65.60 | 5.52 | 3.06 | 24.49 | 25.67 | 70.59 | 69.99 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 250 | 560 | 48.30 | 66.00 | 5.39 | 2.31 | 24.64 | 25.66 | 68.99 | 68.85 |
| 51.90 | 7.44 | 4.38 | 32.18 | 87.50 | 83.80 | 12.10 | 4.10 | 250 | 720 | 47.50 | 66.40 | 5.48 | 3.10 | 23.90 | 26.02 | 68.81 | 68.12 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 180 | 120 | 72.90 | 59.30 | 7.31 | 4.84 | 24.51 | 26.15 | 85.02 | 83.29 | (Kannan et al., 2017b) |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 180 | 560 | 71.70 | 60.90 | 7.21 | 4.97 | 22.74 | 26.86 | 85.92 | 84.13 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 180 | 720 | 70.90 | 61.80 | 7.26 | 4.33 | 22.25 | 27.36 | 86.54 | 84.42 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 215 | 120 | 64.80 | 63.50 | 7.36 | 4.45 | 20.32 | 28.36 | 81.99 | 79.28 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 215 | 560 | 59.20 | 66.00 | 7.43 | 4.62 | 17.60 | 29.79 | 78.67 | 75.28 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 215 | 720 | 56.10 | 67.30 | 7.40 | 4.71 | 15.25 | 30.60 | 76.57 | 72.75 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 250 | 120 | 51.50 | 69.50 | 7.47 | 4.87 | 12.97 | 31.82 | 73.10 | 68.96 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 250 | 560 | 49.20 | 70.20 | 7.72 | 4.10 | 13.10 | 32.44 | 71.20 | 66.55 |
| 45.33 | 6.16 | 13.42 | 22.32 | 87.50 | 86.50 | 0.73 | 12.77 | 250 | 720 | 45.00 | 69.70 | 7.43 | 4.07 | 13.01 | 31.86 | 63.95 | 60.43 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 150 | 60 | 17.79 | 27.35 | 3.62 | 3.83 | 36.47 | 7.93 | 7.01 | 10.73 | (Kannan et al., 2017a) |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 150 | 90 | 21.54 | 38.72 | 4.97 | 5.42 | 23.75 | 15.93 | 17.05 | 18.40 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 150 | 120 | 20.70 | 42.10 | 5.30 | 6.39 | 20.21 | 18.15 | 18.67 | 19.22 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 180 | 60 | 22.91 | 54.51 | 6.27 | 7.63 | 4.36 | 26.59 | 30.27 | 27.55 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 180 | 90 | 26.70 | 51.76 | 5.95 | 7.25 | 11.73 | 23.84 | 31.63 | 30.49 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 180 | 120 | 30.75 | 48.09 | 5.37 | 6.73 | 19.88 | 20.43 | 31.20 | 32.62 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 210 | 60 | 21.95 | 52.86 | 5.81 | 6.78 | 13.39 | 23.81 | 25.97 | 25.60 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 210 | 90 | 29.27 | 49.41 | 5.85 | 6.92 | 16.47 | 22.11 | 32.15 | 31.90 |
| 43.09 | 6.91 | 11.47 | 23.80 | 50.00 | 83.77 | 1.50 | 14.73 | 210 | 120 | 34.49 | 49.78 | 5.56 | 6.97 | 16.59 | 21.74 | 37.24 | 37.87 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 150 | 60 | 18.52 | 39.02 | 5.46 | 4.55 | 26.01 | 16.36 | 15.02 | 16.77 | (Saqib et al., 2018) |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 150 | 90 | 22.78 | 44.45 | 6.15 | 5.19 | 20.15 | 20.24 | 22.86 | 23.50 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 150 | 120 | 20.70 | 45.08 | 6.24 | 5.26 | 19.84 | 20.60 | 21.14 | 21.66 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 180 | 60 | 27.62 | 42.72 | 5.45 | 4.98 | 22.78 | 18.13 | 24.82 | 27.38 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 180 | 90 | 27.18 | 45.96 | 6.01 | 4.83 | 20.84 | 20.38 | 27.46 | 28.99 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 180 | 120 | 28.74 | 45.73 | 6.06 | 4.80 | 21.34 | 20.30 | 28.92 | 30.50 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 210 | 60 | 24.87 | 46.45 | 5.84 | 4.88 | 20.44 | 20.38 | 25.12 | 26.81 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 210 | 90 | 28.48 | 47.21 | 5.82 | 4.96 | 20.77 | 20.57 | 29.04 | 31.20 |
| 39.00 | 7.32 | 5.70 | 41.57 | 50.00 | 79.11 | 14.48 | 6.41 | 210 | 120 | 35.41 | 49.23 | 5.78 | 5.74 | 17.72 | 21.72 | 38.13 | 40.46 |
| 51.14 | 7.63 | 3.45 | 26.31 | 75.00 | 72.55 | 15.98 | 11.47 | 200 | 60 | 7.00 | 62.83 | 7.23 | 4.40 | 20.94 | 27.82 | 12.01 | 11.28 | (Zhai et al., 2018) |
| 51.14 | 7.63 | 3.45 | 26.31 | 75.00 | 72.55 | 15.98 | 11.47 | 250 | 60 | 5.95 | 68.10 | 7.09 | 4.77 | 17.25 | 30.05 | 11.03 | 10.39 |
| 51.14 | 7.63 | 3.45 | 26.31 | 75.00 | 72.55 | 15.98 | 11.47 | 300 | 60 | 5.25 | 73.00 | 7.00 | 5.11 | 12.65 | 32.42 | 10.50 | 9.83 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 200 | 60 | 56.15 | 66.11 | 7.11 | 2.31 | 13.22 | 30.13 | 72.07 | 72.59 | (Kim et al., 2014) |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 230 | 60 | 39.76 | 70.07 | 6.89 | 3.27 | 11.21 | 31.49 | 53.34 | 54.48 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 260 | 60 | 35.71 | 72.54 | 6.83 | 3.39 | 7.74 | 32.94 | 50.10 | 50.65 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 200 | 180 | 48.43 | 66.56 | 7.10 | 2.33 | 14.20 | 30.08 | 62.05 | 63.03 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 230 | 180 | 40.90 | 70.04 | 7.12 | 3.27 | 11.21 | 31.84 | 55.48 | 56.02 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 260 | 180 | 33.28 | 72.97 | 6.81 | 3.41 | 6.81 | 33.13 | 46.97 | 47.49 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 200 | 480 | 44.56 | 68.09 | 7.04 | 3.18 | 11.80 | 30.96 | 58.77 | 59.33 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 230 | 480 | 38.80 | 69.20 | 6.98 | 4.04 | 10.15 | 31.46 | 52.00 | 52.50 |
| 61.94 | 7.22 | 6.51 | 10.97 | 89.00 | 80.17 | 6.47 | 13.36 | 260 | 480 | 30.27 | 73.69 | 6.69 | 3.44 | 5.90 | 33.44 | 43.12 | 43.62 |
| 49.15 | 5.51 | 0.59 | 42.24 | 83.00 | 77.68 | 19.81 | 2.51 | 170 | 30 | 78.40 | 61.24 | 6.79 | 4.29 | 12.25 | 28.25 | 75.65 | 77.51 | (Fan et al., 2018) |
| 49.15 | 5.51 | 0.59 | 42.24 | 83.00 | 77.68 | 19.81 | 2.51 | 180 | 30 | 77.50 | 61.93 | 6.97 | 4.34 | 10.73 | 28.90 | 76.52 | 77.49 |
| 49.15 | 5.51 | 0.59 | 42.24 | 83.00 | 77.68 | 19.81 | 2.51 | 190 | 30 | 75.10 | 62.03 | 6.82 | 3.62 | 11.58 | 28.63 | 73.44 | 75.21 |
| 49.15 | 5.51 | 0.59 | 42.24 | 83.00 | 77.68 | 19.81 | 2.51 | 200 | 30 | 73.20 | 62.28 | 6.75 | 4.36 | 10.80 | 28.69 | 71.74 | 73.60 |
| 49.15 | 5.51 | 0.59 | 42.24 | 83.00 | 77.68 | 19.81 | 2.51 | 220 | 30 | 57.50 | 65.96 | 6.27 | 4.62 | 7.04 | 29.98 | 58.88 | 61.23 |
| 52.76 | 5.56 | 1.89 | 34.39 | 89.00 | 72.60 | 22.00 | 5.40 | 220 | 60 | 63.73 | 53.63 | 5.45 | 0.63 | 37.18 | 19.28 | 72.46 | 69.54 | (Catalkopru et al., 2017) |
| 52.76 | 5.56 | 1.89 | 34.39 | 89.00 | 72.60 | 22.00 | 5.40 | 220 | 120 | 56.81 | 55.68 | 5.43 | 0.65 | 34.89 | 20.32 | 68.08 | 64.36 |
| 52.76 | 5.56 | 1.89 | 34.39 | 89.00 | 72.60 | 22.00 | 5.40 | 220 | 180 | 52.22 | 57.90 | 5.21 | 0.68 | 32.42 | 21.29 | 65.57 | 61.52 |
| 52.76 | 5.56 | 1.89 | 34.39 | 89.00 | 72.60 | 22.00 | 5.40 | 180 | 120 | 72.42 | 51.32 | 5.43 | 0.60 | 39.69 | 18.06 | 77.16 | 75.62 |
| 52.76 | 5.56 | 1.89 | 34.39 | 89.00 | 72.60 | 22.00 | 5.40 | 260 | 120 | 46.59 | 64.90 | 4.92 | 0.76 | 25.09 | 24.49 | 67.31 | 61.52 |
| 42.75 | 5.88 | 1.98 | 44.09 | 83.00 | 41.00 | 53.70 | 5.30 | 220 | 10 | 64.33 | 61.61 | 5.85 | 2.16 | 27.93 | 24.23 | 79.37 | 75.12 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 10 | 69.40 | 61.89 | 6.09 | 2.17 | 27.23 | 24.70 | 87.28 | 81.41 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 10 | 75.25 | 61.30 | 5.82 | 2.15 | 26.97 | 24.23 | 92.84 | 87.43 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 10 | 73.60 | 61.28 | 5.87 | 2.14 | 26.96 | 24.33 | 91.16 | 85.49 |
| 42.75 | 5.88 | 1.98 | 44.09 | 83.00 | 41.00 | 53.70 | 5.30 | 220 | 20 | 51.59 | 56.59 | 5.42 | 2.64 | 30.18 | 21.51 | 74.04 | 68.29 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 20 | 55.76 | 56.76 | 5.16 | 2.65 | 29.52 | 21.35 | 79.42 | 74.03 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 20 | 57.47 | 56.22 | 5.39 | 2.62 | 29.23 | 21.55 | 82.64 | 75.58 |
| 42.75 | 5.88 | 1.98 | 44.09 | 80.00 | 41.00 | 53.70 | 5.30 | 220 | 20 | 57.54 | 58.31 | 5.15 | 2.72 | 26.43 | 22.29 | 85.59 | 78.49 |
| 35.70 | 5.27 | 9.61 | 41.22 | 30.00 | 68.30 | 23.50 | 8.20 | 225 | 120 | 42.21 | 57.57 | 4.65 | 4.03 | 27.63 | 21.24 | 73.22 | 68.06 | (Tag et al., 2018) |
| 35.70 | 5.27 | 9.61 | 41.22 | 30.00 | 68.30 | 23.50 | 8.20 | 250 | 120 | 40.15 | 63.87 | 5.43 | 5.22 | 19.59 | 25.91 | 84.95 | 71.84 |
| 35.70 | 5.27 | 9.61 | 41.22 | 30.00 | 68.30 | 23.50 | 8.20 | 275 | 120 | 32.76 | 62.01 | 6.30 | 5.79 | 21.50 | 26.11 | 69.86 | 56.90 |
| 35.70 | 5.27 | 9.61 | 41.22 | 30.00 | 68.30 | 23.50 | 8.20 | 300 | 120 | 53.16 | 53.57 | 3.71 | 5.62 | 24.29 | 19.01 | 82.53 | 79.77 |
| 34.26 | 4.83 | 2.67 | 17.04 | 70.00 | 39.40 | 19.40 | 41.20 | 200 | 120 | 58.76 | 33.77 | 4.22 | 2.36 | 15.31 | 14.67 | 55.85 | 57.92 | (Gascó et al., 2018) |
| 34.26 | 4.83 | 2.67 | 17.04 | 70.00 | 39.40 | 19.40 | 41.20 | 220 | 120 | 42.30 | 26.59 | 3.10 | 1.86 | 12.41 | 11.19 | 30.67 | 32.83 |
| 34.26 | 4.83 | 2.67 | 17.04 | 70.00 | 39.40 | 19.40 | 41.20 | 240 | 120 | 47.59 | 25.77 | 2.99 | 1.80 | 10.65 | 11.04 | 34.04 | 35.80 |
| 39.57 | 5.78 | 3.37 | 34.12 | 80.00 | 81.41 | 1.43 | 17.16 | 180 | 600 | 66.38 | 46.22 | 5.74 | 3.24 | 23.42 | 19.59 | 83.67 | 77.54 | (Lang et al., 2019) |
| 39.57 | 5.78 | 3.37 | 34.12 | 80.00 | 81.41 | 1.43 | 17.16 | 200 | 600 | 61.56 | 46.84 | 5.66 | 2.73 | 19.99 | 20.40 | 80.79 | 72.87 |
| 39.57 | 5.78 | 3.37 | 34.12 | 80.00 | 81.41 | 1.43 | 17.16 | 220 | 600 | 55.54 | 50.64 | 5.44 | 2.95 | 17.56 | 21.76 | 77.76 | 71.08 |
| 39.57 | 5.78 | 3.37 | 34.12 | 95.00 | 81.41 | 1.43 | 17.16 | 200 | 240 | 58.34 | 39.74 | 4.21 | 1.39 | 48.75 | 10.71 | 59.69 | 64.03 |
| 36.21 | 5.14 | 2.39 | 51.16 | 95.00 | 70.72 | 24.18 | 5.10 | 220 | 240 | 51.55 | 41.60 | 4.16 | 1.94 | 38.83 | 13.12 | 64.60 | 59.22 | (Wu et al., 2017) |
| 36.21 | 5.14 | 2.39 | 51.16 | 95.00 | 70.72 | 24.18 | 5.10 | 240 | 240 | 49.60 | 42.00 | 4.10 | 1.96 | 38.64 | 13.18 | 62.49 | 57.53 |
| 36.21 | 5.14 | 2.39 | 51.16 | 95.00 | 70.72 | 24.18 | 5.10 | 260 | 240 | 44.41 | 42.14 | 4.00 | 1.97 | 38.21 | 13.15 | 55.81 | 51.68 |
| 36.21 | 5.14 | 2.39 | 51.16 | 95.00 | 70.72 | 24.18 | 5.10 | 280 | 240 | 43.48 | 41.59 | 3.99 | 1.94 | 38.82 | 12.86 | 53.45 | 49.94 |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 180 | 5 | 93.60 | 46.50 | 5.19 | 2.17 | 29.14 | 17.94 | 98.77 | 97.15 | (Toufiq Reza et al., 2016) |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 220 | 5 | 66.60 | 49.20 | 5.21 | 1.72 | 22.30 | 20.09 | 78.74 | 73.14 |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 260 | 5 | 48.30 | 52.10 | 5.21 | 1.82 | 17.37 | 21.90 | 62.23 | 56.17 |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 180 | 30 | 84.00 | 46.60 | 5.20 | 2.17 | 27.34 | 18.27 | 90.32 | 87.38 |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 220 | 30 | 69.80 | 50.40 | 5.29 | 2.35 | 19.49 | 21.18 | 86.99 | 78.53 |
| 44.80 | 5.20 | 2.30 | 31.25 | 83.00 | 74.14 | 9.41 | 16.45 | 260 | 30 | 50.80 | 54.00 | 5.22 | 2.52 | 12.96 | 23.36 | 69.83 | 61.23 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 150 | 30 | 87.17 | 44.04 | 5.73 | 3.08 | 34.64 | 16.85 | 88.44 | 90.93 | (Ghanim et al., 2016) |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 175 | 30 | 75.36 | 42.74 | 5.63 | 4.49 | 30.77 | 16.96 | 76.93 | 76.29 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 200 | 30 | 41.80 | 51.39 | 6.00 | 3.60 | 23.98 | 21.67 | 54.54 | 50.88 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 225 | 30 | 38.39 | 50.93 | 5.86 | 3.57 | 20.37 | 21.93 | 50.68 | 46.31 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 250 | 30 | 32.74 | 55.23 | 5.57 | 5.15 | 5.89 | 25.51 | 50.28 | 42.83 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 275 | 30 | 26.37 | 50.21 | 4.77 | 4.10 | 6.69 | 22.53 | 35.77 | 31.36 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 300 | 30 | 29.51 | 57.55 | 5.56 | 4.70 | 0.77 | 27.21 | 48.34 | 40.23 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 150 | 120 | 80.46 | 42.92 | 5.54 | 4.01 | 31.47 | 16.82 | 81.49 | 81.79 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 175 | 120 | 41.94 | 48.45 | 5.77 | 3.39 | 27.78 | 19.63 | 49.57 | 48.13 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 200 | 120 | 45.76 | 52.04 | 6.03 | 3.64 | 21.51 | 22.29 | 61.40 | 56.40 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 225 | 120 | 35.41 | 51.92 | 5.58 | 4.24 | 14.54 | 22.95 | 48.93 | 43.55 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 250 | 120 | 32.76 | 56.89 | 5.64 | 5.31 | 6.07 | 26.14 | 51.56 | 44.14 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 275 | 120 | 30.08 | 55.25 | 5.34 | 4.51 | 5.16 | 25.34 | 45.89 | 39.36 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 300 | 120 | 25.74 | 53.64 | 5.14 | 4.38 | 3.58 | 24.82 | 38.46 | 32.70 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 150 | 480 | 71.36 | 45.10 | 5.68 | 4.21 | 29.47 | 18.14 | 77.94 | 76.23 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 175 | 480 | 45.15 | 52.16 | 5.78 | 3.65 | 23.65 | 21.64 | 58.82 | 55.78 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 200 | 480 | 39.88 | 52.34 | 5.67 | 3.66 | 17.45 | 22.72 | 54.55 | 49.44 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 225 | 480 | 33.34 | 52.66 | 5.22 | 4.30 | 10.53 | 23.33 | 46.83 | 41.58 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 250 | 480 | 32.75 | 56.43 | 5.50 | 4.61 | 6.02 | 25.85 | 50.98 | 43.77 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 275 | 480 | 28.34 | 54.88 | 5.17 | 4.48 | 5.12 | 25.07 | 42.77 | 36.84 |
| 42.22 | 5.59 | 4.19 | 31.63 | 37.00 | 72.95 | 10.67 | 16.37 | 300 | 480 | 23.13 | 49.83 | 4.44 | 4.07 | 3.99 | 22.44 | 31.25 | 27.30 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 170 | 60 | 63.00 | 48.20 | 6.19 | 2.25 | 32.78 | 19.33 | 63.59 | 65.44 | (Ekpo et al., 2016) |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 250 | 60 | 51.00 | 55.70 | 6.08 | 2.60 | 17.08 | 24.50 | 65.24 | 61.22 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 350 | 60 | 29.00 | 52.50 | 5.21 | 2.45 | 9.10 | 23.52 | 35.62 | 32.81 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 500 | 30 | 18.00 | 49.70 | 2.69 | 2.32 | 4.64 | 19.78 | 18.60 | 19.28 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 170 | 60 | 44.00 | 50.10 | 6.68 | 3.51 | 28.72 | 21.34 | 50.32 | 50.21 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 250 | 60 | 32.00 | 59.90 | 6.49 | 4.89 | 12.78 | 27.25 | 46.74 | 43.66 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 350 | 60 | 15.00 | 54.70 | 5.61 | 3.83 | 6.56 | 25.33 | 20.37 | 18.69 |
| 46.40 | 6.30 | 3.00 | 30.99 | 90.00 | 64.05 | 22.64 | 13.31 | 500 | 30 | 11.00 | 48.90 | 3.02 | 2.85 | 3.26 | 20.24 | 11.93 | 12.25 |
| 40.88 | 5.47 | 4.39 | 38.76 | 83.30 | 60.20 | 29.30 | 10.50 | 220 | 30 | 53.03 | 51.75 | 5.35 | 4.23 | 27.60 | 20.22 | 72.84 | 67.13 | (Catalkopru et al., 2017) |
| 40.88 | 5.47 | 4.39 | 38.76 | 80.00 | 60.20 | 29.30 | 10.50 | 220 | 30 | 58.68 | 50.96 | 5.27 | 4.16 | 27.86 | 19.76 | 78.78 | 73.15 |
| 40.88 | 5.47 | 4.39 | 38.76 | 80.00 | 60.20 | 29.30 | 10.50 | 220 | 30 | 59.46 | 50.11 | 5.39 | 4.68 | 28.06 | 19.58 | 79.08 | 72.88 |
| 40.88 | 5.47 | 4.39 | 38.76 | 80.00 | 60.20 | 29.30 | 10.50 | 220 | 30 | 62.45 | 49.96 | 5.20 | 4.66 | 28.64 | 19.22 | 81.55 | 76.32 |
| 40.85 | 6.30 | 3.73 | 31.72 | 87.50 | 81.51 | 1.09 | 17.40 | 220 | 600 | 49.78 | 51.51 | 6.27 | 3.00 | 17.86 | 23.20 | 67.38 | 62.77 |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 180 | 5 | 93.60 | 46.50 | 5.19 | 2.17 | 29.14 | 17.94 | 98.48 | 97.15 | (Reza et al., 2018) |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 220 | 5 | 66.60 | 49.20 | 5.21 | 1.72 | 22.30 | 20.09 | 78.51 | 73.14 |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 260 | 5 | 48.30 | 52.10 | 5.21 | 1.82 | 17.37 | 21.89 | 62.03 | 56.17 |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 180 | 30 | 84.00 | 46.60 | 5.20 | 2.17 | 27.34 | 18.27 | 90.04 | 87.38 |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 220 | 30 | 69.80 | 50.40 | 5.29 | 2.35 | 19.49 | 21.17 | 86.71 | 78.53 |
| 44.80 | 5.20 | 2.30 | 30.97 | 83.30 | 74.81 | 8.46 | 16.73 | 260 | 30 | 50.80 | 54.00 | 5.22 | 2.52 | 12.96 | 23.37 | 69.65 | 61.23 |
| 47.11 | 6.71 | 0.22 | 43.50 | 80.00 | 80.02 | 17.58 | 2.40 | 200 | 30 | 58.60 | 52.12 | 6.31 | 0.18 | 39.46 | 20.94 | 59.68 | 64.83 | (Yao and Ma, 2018) |
| 47.11 | 6.71 | 0.22 | 43.50 | 80.00 | 80.02 | 17.58 | 2.40 | 230 | 30 | 50.60 | 58.08 | 6.12 | 0.25 | 33.25 | 23.68 | 58.28 | 62.38 |
| 47.11 | 6.71 | 0.22 | 43.50 | 80.00 | 80.02 | 17.58 | 2.40 | 260 | 30 | 38.10 | 67.51 | 5.58 | 0.35 | 22.44 | 27.98 | 51.85 | 54.60 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 180 | 240 | 67.90 | 48.05 | 5.35 | 0.36 | 43.79 | 18.92 | 71.87 | 72.31 | (Zhang et al., 2019) |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 200 | 240 | 62.24 | 50.10 | 5.25 | 0.39 | 41.65 | 19.70 | 68.59 | 69.11 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 220 | 60 | 58.59 | 55.62 | 5.26 | 0.37 | 36.21 | 21.98 | 72.04 | 72.22 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 220 | 120 | 56.26 | 61.21 | 5.24 | 0.38 | 30.65 | 24.47 | 77.02 | 76.32 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 220 | 240 | 51.22 | 62.64 | 5.21 | 0.41 | 28.86 | 25.14 | 72.04 | 71.11 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 220 | 720 | 49.78 | 67.36 | 5.00 | 0.40 | 24.29 | 27.24 | 75.86 | 74.32 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 220 | 1440 | 48.75 | 68.45 | 4.90 | 0.38 | 22.62 | 27.69 | 75.52 | 73.96 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 240 | 240 | 46.23 | 65.27 | 4.92 | 0.35 | 26.15 | 26.10 | 67.50 | 66.88 |
| 45.12 | 5.77 | 0.41 | 45.19 | 87.70 | 79.34 | 17.15 | 3.51 | 260 | 240 | 44.17 | 73.16 | 4.96 | 0.30 | 18.32 | 30.17 | 74.55 | 71.62 |
| 48.30 | 6.66 | 1.00 | 40.56 | 90.90 | 85.98 | 10.89 | 3.14 | 150 | 20 | 76.00 | 49.58 | 5.88 | 0.92 | 43.30 | 19.77 | 77.35 | 78.01 | (Parshetti et al., 2013) |
| 48.30 | 6.66 | 1.00 | 40.56 | 90.90 | 85.98 | 10.89 | 3.14 | 250 | 20 | 62.00 | 54.30 | 4.19 | 1.02 | 38.30 | 20.90 | 66.71 | 69.70 |
| 48.30 | 6.66 | 1.00 | 40.56 | 90.90 | 85.98 | 10.89 | 3.14 | 350 | 20 | 49.00 | 66.02 | 4.19 | 1.12 | 28.27 | 25.68 | 64.78 | 66.98 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 160 | 120 | 78.50 | 45.10 | 5.16 | 0.50 | 49.29 | 17.04 | 81.88 | 87.35 | (Sharma and Dubey, 2020) |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 180 | 120 | 75.20 | 48.20 | 5.22 | 0.40 | 43.99 | 17.98 | 82.76 | 89.43 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 200 | 120 | 61.80 | 50.39 | 5.15 | 0.40 | 43.15 | 18.55 | 70.17 | 76.83 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 200 | 240 | 56.30 | 53.09 | 5.10 | 0.30 | 41.28 | 19.44 | 66.99 | 73.75 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 200 | 480 | 51.50 | 56.09 | 5.05 | 0.20 | 37.92 | 20.35 | 64.15 | 71.27 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 200 | 720 | 50.50 | 59.99 | 5.11 | 0.20 | 32.45 | 21.52 | 66.52 | 74.75 |
| 40.53 | 4.93 | 0.55 | 45.67 | 90.90 | 84.75 | 6.98 | 8.30 | 200 | 1440 | 45.60 | 60.00 | 5.18 | 0.10 | 32.45 | 21.21 | 59.20 | 67.51 |
| 46.18 | 5.89 | 0.25 | 45.00 | 93.80 | 90.40 | 6.72 | 2.87 | 180 | 60 | 73.12 | 49.42 | 5.86 | 0.20 | 42.86 | 19.59 | 78.35 | 78.25 | (Mihajlović et al., 2018) |
| 46.18 | 5.89 | 0.25 | 45.00 | 93.80 | 90.40 | 6.72 | 2.87 | 200 | 60 | 53.72 | 52.25 | 5.86 | 0.18 | 42.77 | 20.80 | 61.12 | 60.78 |
| 46.18 | 5.89 | 0.25 | 45.00 | 93.80 | 90.40 | 6.72 | 2.87 | 220 | 60 | 51.21 | 52.96 | 5.81 | 0.19 | 39.74 | 21.09 | 59.08 | 58.73 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 180 | 60 | 48.00 | 48.00 | 6.14 | 2.03 | 38.64 | 19.31 | 53.37 | 53.09 | (Wilk et al., 2021) |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 180 | 120 | 43.00 | 50.70 | 6.01 | 1.76 | 40.28 | 20.38 | 50.46 | 50.23 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 180 | 180 | 41.00 | 51.70 | 6.05 | 1.69 | 38.33 | 20.85 | 49.22 | 48.84 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 180 | 240 | 47.00 | 53.70 | 5.92 | 1.59 | 33.56 | 21.68 | 58.67 | 58.15 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 200 | 60 | 56.00 | 53.10 | 6.07 | 1.92 | 37.12 | 21.53 | 69.42 | 68.52 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 200 | 120 | 42.00 | 53.70 | 6.14 | 1.76 | 37.54 | 21.79 | 52.69 | 51.97 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 200 | 180 | 43.00 | 55.20 | 5.94 | 1.61 | 35.08 | 22.38 | 55.41 | 54.69 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 200 | 240 | 44.00 | 56.50 | 5.85 | 1.63 | 31.12 | 22.92 | 58.07 | 57.28 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 220 | 60 | 44.00 | 55.10 | 5.70 | 1.59 | 36.77 | 22.15 | 56.12 | 55.86 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 220 | 120 | 43.00 | 56.80 | 6.03 | 1.67 | 33.69 | 23.16 | 57.34 | 56.28 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 220 | 180 | 40.00 | 57.90 | 5.83 | 1.85 | 31.89 | 23.62 | 54.40 | 53.36 |
| 43.40 | 5.91 | 1.50 | 45.97 | 95.20 | 83.02 | 15.99 | 0.99 | 220 | 240 | 37.00 | 60.80 | 5.88 | 2.09 | 26.40 | 25.07 | 53.41 | 51.83 |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 160 | 30 | 86.59 | 45.20 | 5.98 | 0.65 | 41.27 | 17.95 | 89.56 | 89.56 | (Lee and Park, 2021) |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 180 | 30 | 79.77 | 47.00 | 5.63 | 0.45 | 40.44 | 18.59 | 85.45 | 85.79 |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 200 | 30 | 71.09 | 50.40 | 5.59 | 0.49 | 36.49 | 19.94 | 81.68 | 81.99 |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 220 | 30 | 64.22 | 52.50 | 5.57 | 0.39 | 33.06 | 20.80 | 76.97 | 77.15 |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 240 | 30 | 60.34 | 57.10 | 5.27 | 0.41 | 26.37 | 22.64 | 78.72 | 78.84 |
| 43.70 | 5.45 | 0.56 | 45.86 | 50.00 | 82.30 | 13.30 | 4.34 | 260 | 30 | 55.50 | 62.60 | 5.31 | 0.45 | 20.37 | 25.24 | 80.72 | 79.50 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 180 | 30 | 86.10 | 53.70 | 8.47 | 1.10 | 16.25 | 22.94 | 99.09 | 95.73 | (Lee et al., 2019) |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 200 | 30 | 82.90 | 54.50 | 8.59 | 1.10 | 15.07 | 23.46 | 97.57 | 93.54 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 220 | 30 | 78.00 | 52.70 | 8.13 | 1.20 | 15.95 | 22.18 | 86.80 | 85.11 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 240 | 30 | 77.70 | 51.80 | 7.82 | 1.20 | 17.03 | 21.56 | 84.04 | 83.33 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 260 | 30 | 74.80 | 51.70 | 7.80 | 1.40 | 17.26 | 21.53 | 80.80 | 80.07 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 280 | 30 | 72.50 | 50.40 | 7.52 | 1.20 | 17.36 | 20.71 | 75.33 | 75.65 |
| 48.30 | 8.10 | 2.20 | 25.20 | 90.90 | 73.00 | 6.90 | 20.10 | 300 | 30 | 70.70 | 50.40 | 7.52 | 1.30 | 17.88 | 20.72 | 73.49 | 73.77 |
| 46.47 | 6.98 | 3.16 | 38.35 | 90.90 | 81.39 | 13.41 | 5.20 | 150 | 40 | 61.19 | 48.15 | 6.65 | 2.19 | 42.52 | 19.51 | 63.03 | 63.40 | (Santos Santana et al., 2020) |
| 46.47 | 6.98 | 3.16 | 38.35 | 90.90 | 81.39 | 13.41 | 5.20 | 200 | 40 | 41.70 | 54.80 | 6.34 | 2.89 | 35.73 | 22.55 | 49.65 | 49.17 |
| 46.47 | 6.98 | 3.16 | 38.35 | 90.90 | 81.39 | 13.41 | 5.20 | 250 | 40 | 34.23 | 68.36 | 6.37 | 3.22 | 22.00 | 29.88 | 54.00 | 50.35 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 180 | 60 | 47.81 | 45.90 | 5.87 | 3.02 | 32.12 | 18.53 | 58.07 | 59.88 | (Zhang et al., 2020) |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 210 | 60 | 47.95 | 47.21 | 5.51 | 3.35 | 26.87 | 19.03 | 59.81 | 61.77 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 240 | 60 | 33.18 | 50.31 | 4.99 | 4.07 | 21.60 | 20.18 | 43.89 | 45.55 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 270 | 60 | 28.82 | 51.24 | 4.67 | 3.97 | 20.08 | 20.41 | 38.56 | 40.29 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 210 | 10 | 53.71 | 44.87 | 5.52 | 3.18 | 30.98 | 18.13 | 63.83 | 65.76 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 210 | 30 | 51.66 | 47.21 | 5.66 | 2.90 | 29.52 | 19.00 | 64.34 | 66.54 |
| 36.65 | 5.86 | 3.53 | 34.20 | 90.90 | 68.42 | 11.82 | 19.76 | 210 | 90 | 42.91 | 46.57 | 5.36 | 3.09 | 28.25 | 18.73 | 52.68 | 54.52 |
| 50.60 | 5.62 | 0.12 | 43.49 | 90.90 | 82.54 | 17.29 | 0.17 | 200 | 120 | 71.00 | 56.87 | 5.75 | 0.17 | 37.15 | 22.84 | 81.11 | 79.80 | (Wilk et al., 2020) |
| 50.60 | 5.62 | 0.12 | 43.49 | 90.90 | 82.54 | 17.29 | 0.17 | 200 | 240 | 73.00 | 60.60 | 5.86 | 0.19 | 33.33 | 24.73 | 90.30 | 87.43 |
| 50.60 | 5.62 | 0.12 | 43.49 | 88.90 | 82.54 | 17.29 | 0.17 | 200 | 240 | 70.00 | 61.37 | 5.86 | 0.19 | 32.18 | 25.11 | 87.92 | 84.90 |
| 50.60 | 5.62 | 0.12 | 43.49 | 83.30 | 82.54 | 17.29 | 0.17 | 200 | 240 | 70.00 | 61.56 | 5.74 | 0.20 | 32.28 | 25.12 | 87.95 | 85.16 |
| 50.60 | 5.62 | 0.12 | 43.49 | 90.90 | 82.54 | 17.29 | 0.17 | 180 | 240 | 75.00 | 57.70 | 6.02 | 0.18 | 36.20 | 23.43 | 87.89 | 85.52 |
| 50.60 | 5.62 | 0.12 | 43.49 | 90.90 | 82.54 | 17.29 | 0.17 | 220 | 240 | 58.00 | 66.70 | 5.70 | 0.23 | 27.52 | 27.70 | 80.36 | 76.45 |
| 47.75 | 5.61 | 0.90 | 37.41 | 90.90 | 80.90 | 11.00 | 8.10 | 200 | 30 | 57.22 | 62.47 | 5.28 | 0.90 | 24.96 | 25.19 | 76.11 | 74.86 | (Liu and Balasubramanian, 2014) |
| 47.75 | 5.61 | 0.90 | 37.41 | 90.90 | 80.90 | 11.00 | 8.10 | 250 | 30 | 45.31 | 67.10 | 5.20 | 0.98 | 21.55 | 27.41 | 65.58 | 63.67 |
| 47.75 | 5.61 | 0.90 | 37.41 | 90.90 | 80.90 | 11.00 | 8.10 | 300 | 30 | 40.63 | 73.22 | 5.08 | 1.13 | 16.06 | 30.52 | 65.47 | 62.30 |
| 47.75 | 5.61 | 0.90 | 37.41 | 90.90 | 80.90 | 11.00 | 8.10 | 350 | 30 | 35.76 | 73.37 | 4.48 | 1.17 | 15.52 | 29.74 | 56.15 | 54.95 |
| 47.75 | 5.61 | 0.90 | 37.41 | 90.90 | 80.90 | 11.00 | 8.10 | 375 | 30 | 35.54 | 78.20 | 4.32 | 1.23 | 7.35 | 31.97 | 59.99 | 58.20 |
| 46.96 | 6.22 | 1.23 | 34.32 | 90.90 | 79.20 | 10.30 | 10.50 | 200 | 30 | 65.67 | 61.11 | 6.15 | 1.37 | 23.22 | 25.37 | 88.72 | 85.46 | (Liu and Balasubramanian, 2012) |
| 46.96 | 6.22 | 1.23 | 34.32 | 90.90 | 79.20 | 10.30 | 10.50 | 250 | 30 | 46.30 | 62.30 | 5.45 | 1.44 | 23.68 | 25.36 | 62.52 | 61.42 |
| 46.96 | 6.22 | 1.23 | 34.32 | 90.90 | 79.20 | 10.30 | 10.50 | 300 | 30 | 40.61 | 68.87 | 6.02 | 1.62 | 15.60 | 29.45 | 63.68 | 59.56 |
| 46.96 | 6.22 | 1.23 | 34.32 | 90.90 | 79.20 | 10.30 | 10.50 | 350 | 30 | 30.86 | 70.50 | 5.98 | 1.60 | 10.30 | 30.28 | 49.76 | 46.33 |
| 46.96 | 6.22 | 1.23 | 34.32 | 90.90 | 79.20 | 10.30 | 10.50 | 375 | 30 | 28.33 | 72.19 | 4.78 | 1.64 | 5.80 | 29.62 | 44.68 | 43.55 |
| 50.31 | 6.24 | 0.07 | 43.15 | 83.30 | 86.50 | 13.27 | 0.23 | 175 | 30 | 88.37 | 51.34 | 6.18 | 0.07 | 42.27 | 20.52 | 90.30 | 90.18 | (Bach et al., 2013) |
| 50.31 | 6.24 | 0.07 | 43.15 | 83.30 | 86.50 | 13.27 | 0.23 | 200 | 10 | 82.50 | 51.21 | 6.42 | 0.06 | 42.17 | 20.54 | 84.39 | 83.98 |
| 50.31 | 6.24 | 0.07 | 43.15 | 83.30 | 86.50 | 13.27 | 0.23 | 200 | 30 | 78.41 | 52.55 | 6.13 | 0.06 | 41.01 | 21.05 | 82.19 | 81.90 |
| 50.31 | 6.24 | 0.07 | 43.15 | 83.30 | 86.50 | 13.27 | 0.23 | 200 | 60 | 73.23 | 53.69 | 5.86 | 0.06 | 40.06 | 21.44 | 78.19 | 78.15 |
| 50.31 | 6.24 | 0.07 | 43.15 | 83.30 | 86.50 | 13.27 | 0.23 | 225 | 30 | 69.81 | 56.99 | 5.87 | 0.07 | 37.15 | 22.96 | 79.82 | 79.08 |
| 48.94 | 6.35 | 0.11 | 44.32 | 83.30 | 89.46 | 10.26 | 0.28 | 175 | 30 | 79.44 | 49.42 | 6.35 | 0.12 | 43.86 | 19.74 | 80.36 | 80.22 |
| 48.94 | 6.35 | 0.11 | 44.32 | 83.30 | 89.46 | 10.26 | 0.28 | 200 | 10 | 66.31 | 49.61 | 6.18 | 0.13 | 44.03 | 19.75 | 67.11 | 67.22 |
| 48.94 | 6.35 | 0.11 | 44.32 | 83.30 | 89.46 | 10.26 | 0.28 | 200 | 30 | 64.66 | 51.25 | 6.18 | 0.11 | 42.23 | 20.48 | 67.86 | 67.71 |
| 48.94 | 6.35 | 0.11 | 44.32 | 83.30 | 89.46 | 10.26 | 0.28 | 200 | 60 | 62.97 | 51.34 | 5.93 | 0.13 | 42.31 | 20.43 | 65.93 | 66.06 |
| 48.94 | 6.35 | 0.11 | 44.32 | 83.30 | 89.46 | 10.26 | 0.28 | 225 | 30 | 58.29 | 56.92 | 5.83 | 0.09 | 37.11 | 22.92 | 68.46 | 67.79 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 180 | 30 | 83.35 | 43.30 | 5.50 | 0.50 | 38.38 | 17.20 | 85.31 | 85.32 | (Novianti et al., 2014) |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 190 | 30 | 79.29 | 45.70 | 5.38 | 0.50 | 35.39 | 18.07 | 85.26 | 85.66 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 200 | 30 | 72.40 | 47.10 | 5.61 | 0.40 | 34.45 | 18.62 | 80.22 | 80.62 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 210 | 30 | 68.75 | 47.90 | 5.39 | 0.50 | 34.62 | 18.90 | 77.32 | 77.85 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 220 | 30 | 64.90 | 49.30 | 5.42 | 0.50 | 33.94 | 19.44 | 75.08 | 75.64 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 230 | 30 | 56.78 | 49.70 | 5.40 | 0.40 | 31.65 | 19.59 | 66.19 | 66.71 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 240 | 30 | 53.04 | 52.10 | 5.17 | 0.60 | 30.04 | 20.50 | 64.70 | 65.33 |
| 42.30 | 5.60 | 0.20 | 36.40 | 88.89 | 76.60 | 20.50 | 2.90 | 250 | 30 | 44.61 | 58.00 | 5.07 | 0.70 | 24.96 | 22.95 | 60.92 | 61.17 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 180 | 30 | 89.95 | 46.80 | 5.82 | 0.40 | 39.06 | 18.53 | 99.18 | 99.52 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 190 | 30 | 82.03 | 48.20 | 5.81 | 0.50 | 36.91 | 19.11 | 93.28 | 93.47 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 200 | 30 | 74.12 | 49.00 | 5.97 | 0.30 | 38.37 | 19.47 | 85.88 | 85.86 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 210 | 30 | 71.07 | 49.20 | 5.60 | 0.50 | 37.26 | 19.46 | 82.30 | 82.66 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 220 | 30 | 63.56 | 49.60 | 5.71 | 0.50 | 37.13 | 19.66 | 74.36 | 74.53 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 230 | 30 | 63.77 | 50.40 | 5.47 | 0.50 | 35.13 | 19.92 | 75.59 | 75.98 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 240 | 30 | 54.84 | 53.10 | 5.48 | 0.60 | 32.90 | 21.06 | 68.73 | 68.84 |
| 42.30 | 5.60 | 0.20 | 36.40 | 94.10 | 76.60 | 20.50 | 2.90 | 250 | 30 | 47.84 | 56.50 | 5.39 | 0.80 | 28.69 | 22.51 | 64.08 | 63.90 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 180 | 30 | 80.73 | 50.00 | 5.82 | 0.55 | 39.18 | 18.86 | 95.71 | 96.54 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 200 | 30 | 73.13 | 51.86 | 5.76 | 0.82 | 37.26 | 19.60 | 90.10 | 90.71 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 220 | 30 | 60.50 | 54.41 | 5.74 | 0.94 | 33.76 | 20.43 | 77.70 | 78.73 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 180 | 60 | 79.28 | 50.52 | 5.81 | 0.88 | 38.49 | 19.16 | 95.49 | 95.80 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 200 | 60 | 66.41 | 52.90 | 5.51 | 0.85 | 34.55 | 19.59 | 81.78 | 84.03 |
| 41.81 | 5.73 | 0.84 | 45.71 | 50.00 | 78.70 | 15.30 | 5.90 | 220 | 60 | 57.64 | 54.73 | 5.47 | 0.88 | 32.76 | 20.25 | 73.37 | 75.45 |
| 46.70 | 6.00 | 0.20 | 45.30 | 85.70 | 87.50 | 11.70 | 0.80 | 190 | 5 | 83.50 | 48.80 | 6.02 | 0.20 | 44.50 | 19.37 | 87.43 | 87.25 | (Zhang et al., 2021) |
| 46.70 | 6.00 | 0.20 | 45.30 | 85.70 | 87.50 | 11.70 | 0.80 | 225 | 5 | 66.90 | 49.60 | 5.99 | 0.30 | 41.86 | 19.72 | 71.31 | 71.05 |
| 46.70 | 6.00 | 0.20 | 45.30 | 85.70 | 87.50 | 11.70 | 0.80 | 260 | 5 | 47.80 | 61.20 | 5.27 | 0.40 | 31.46 | 24.54 | 63.41 | 62.64 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 180 | 120 | 80.00 | 46.45 | 5.85 | 2.11 | 42.13 | 18.63 | 80.14 | 80.40 | (Cai et al., 2016) |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 200 | 120 | 67.00 | 47.22 | 5.76 | 2.06 | 40.29 | 18.91 | 68.12 | 68.45 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 220 | 120 | 61.00 | 48.50 | 5.72 | 2.21 | 38.33 | 19.43 | 63.73 | 64.01 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 240 | 120 | 63.00 | 51.98 | 5.79 | 2.34 | 36.88 | 20.95 | 70.97 | 70.85 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 260 | 120 | 59.00 | 52.66 | 5.66 | 2.38 | 34.05 | 21.17 | 67.16 | 67.22 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 260 | 60 | 62.00 | 47.39 | 5.72 | 2.16 | 38.73 | 18.98 | 63.27 | 63.57 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 260 | 240 | 53.00 | 55.22 | 5.29 | 3.07 | 27.77 | 22.16 | 63.15 | 63.32 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 260 | 480 | 43.00 | 63.03 | 5.21 | 4.24 | 18.68 | 25.82 | 59.70 | 58.64 |
| 46.22 | 6.06 | 2.37 | 41.51 | 90.90 | 80.46 | 16.27 | 3.27 | 260 | 720 | 41.00 | 65.24 | 5.30 | 4.46 | 16.41 | 27.02 | 59.57 | 57.87 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 180 | 30 | 62.02 | 55.20 | 7.77 | 0.55 | 32.50 | 23.30 | 72.76 | 69.88 | (Yao and Ma, 2019) |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 180 | 60 | 60.65 | 55.90 | 7.62 | 0.60 | 30.86 | 23.62 | 72.13 | 69.20 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 180 | 100 | 59.69 | 56.81 | 7.66 | 0.63 | 29.27 | 24.17 | 72.64 | 69.22 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 210 | 30 | 58.85 | 57.27 | 7.72 | 0.55 | 28.67 | 24.44 | 72.42 | 68.80 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 210 | 60 | 57.36 | 58.05 | 7.74 | 0.50 | 28.20 | 24.91 | 71.94 | 67.97 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 210 | 100 | 57.08 | 59.56 | 8.03 | 0.53 | 25.43 | 26.03 | 74.81 | 69.40 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 240 | 30 | 51.21 | 61.91 | 7.98 | 0.57 | 23.24 | 27.44 | 70.75 | 64.72 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 240 | 60 | 46.41 | 64.05 | 7.97 | 0.65 | 19.33 | 28.80 | 67.30 | 60.68 |
| 48.99 | 7.26 | 0.66 | 36.06 | 94.90 | 77.20 | 15.78 | 7.02 | 240 | 100 | 44.92 | 66.52 | 8.18 | 0.73 | 16.16 | 30.58 | 69.16 | 60.99 |
| 47.00 | 5.76 | 0.11 | 46.96 | 88.90 | 76.58 | 16.04 | 0.16 | 200 | 240 | 70.00 | 59.00 | 5.86 | 0.18 | 34.78 | 23.92 | 90.17 | 87.87 | (Wilk et al., 2019) |
| 48.10 | 6.57 | 0.10 | 45.12 | 88.90 | 80.28 | 12.11 | 0.10 | 200 | 240 | 79.00 | 62.70 | 6.51 | 0.06 | 30.58 | 26.38 | 108.56 | 102.98 |
| 48.27 | 6.12 | 1.47 | 42.05 | 90.00 | 77.90 | 20.02 | 2.08 | 180 | 180 | 54.20 | 48.73 | 6.18 | 1.63 | 40.33 | 19.57 | 54.84 | 54.72 | (Merzari et al., 2018) |
| 48.27 | 6.12 | 1.47 | 42.05 | 90.00 | 77.90 | 20.02 | 2.08 | 220 | 180 | 50.90 | 50.38 | 6.26 | 1.44 | 39.06 | 20.30 | 53.42 | 53.12 |
| 48.27 | 6.12 | 1.47 | 42.05 | 90.00 | 77.90 | 20.02 | 2.08 | 250 | 180 | 34.80 | 53.75 | 6.20 | 1.49 | 36.99 | 21.82 | 39.26 | 38.75 |
| 30.80 | 4.20 | 1.27 | 32.51 | 83.30 | 66.50 | 5.49 | 28.10 | 225 | 120 | 0.76 | 31.14 | 2.80 | 1.92 | 35.45 | 15.29 | 0.57 | 0.77 | (Atallah et al., 2021) |
| 30.80 | 4.20 | 1.27 | 32.51 | 92.30 | 66.50 | 5.49 | 28.10 | 225 | 120 | 0.68 | 33.10 | 2.93 | 1.79 | 33.03 | 15.48 | 0.62 | 0.73 |
| 30.80 | 4.20 | 1.27 | 32.51 | 94.10 | 66.50 | 5.49 | 28.10 | 225 | 120 | 0.52 | 37.69 | 3.21 | 2.03 | 29.97 | 16.20 | 0.50 | 0.64 |
| 30.80 | 4.20 | 1.27 | 32.51 | 96.80 | 66.50 | 5.49 | 28.10 | 225 | 120 | 0.43 | 38.52 | 3.55 | 1.80 | 28.30 | 16.25 | 0.41 | 0.54 |
| 30.80 | 4.20 | 1.27 | 32.51 | 83.30 | 66.50 | 5.49 | 28.10 | 250 | 120 | 0.51 | 31.06 | 2.67 | 1.67 | 35.26 | 15.33 | 0.61 | 0.51 |
| 30.80 | 4.20 | 1.27 | 32.51 | 92.30 | 66.50 | 5.49 | 28.10 | 250 | 120 | 0.41 | 40.13 | 2.96 | 1.98 | 29.11 | 16.75 | 0.50 | 0.53 |
| 30.80 | 4.20 | 1.27 | 32.51 | 94.10 | 66.50 | 5.49 | 28.10 | 250 | 120 | 0.38 | 41.27 | 3.31 | 2.22 | 27.31 | 16.98 | 0.49 | 0.51 |
| 30.80 | 4.20 | 1.27 | 32.51 | 96.80 | 66.50 | 5.49 | 28.10 | 250 | 120 | 0.32 | 43.33 | 3.32 | 2.38 | 24.91 | 17.49 | 0.39 | 0.45 |
| 30.80 | 4.20 | 1.27 | 32.51 | 83.30 | 66.50 | 5.49 | 28.10 | 250 | 240 | 0.44 | 36.79 | 2.98 | 2.31 | 30.99 | 16.14 | 0.46 | 0.53 |
| 30.80 | 4.20 | 1.27 | 32.51 | 92.30 | 66.50 | 5.49 | 28.10 | 250 | 240 | 0.39 | 38.31 | 3.10 | 2.36 | 29.56 | 16.40 | 0.47 | 0.49 |
| 30.80 | 4.20 | 1.27 | 32.51 | 94.10 | 66.50 | 5.49 | 28.10 | 250 | 240 | 0.31 | 38.30 | 2.98 | 1.77 | 29.43 | 16.35 | 0.37 | 0.38 |
| 30.80 | 4.20 | 1.27 | 32.51 | 96.80 | 66.50 | 5.49 | 28.10 | 250 | 240 | 0.27 | 53.54 | 4.20 | 1.76 | 18.41 | 20.73 | 0.41 | 0.48 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 175 | 30 | 39.83 | 53.28 | 5.58 | 2.67 | 32.74 | 21.43 | 45.84 | 45.44 | (Akarsu et al., 2019) |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 200 | 15 | 39.83 | 58.21 | 5.14 | 3.01 | 28.24 | 23.38 | 50.02 | 49.65 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 200 | 30 | 44.61 | 60.28 | 5.45 | 2.92 | 26.32 | 24.59 | 58.92 | 57.58 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 200 | 60 | 44.30 | 59.81 | 5.21 | 2.85 | 26.11 | 24.14 | 57.44 | 56.74 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 200 | 120 | 49.85 | 61.97 | 5.33 | 2.73 | 25.55 | 25.22 | 67.52 | 66.15 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 225 | 30 | 50.58 | 61.46 | 5.22 | 2.82 | 26.34 | 24.91 | 67.67 | 66.57 |
| 46.70 | 5.15 | 2.15 | 37.76 | 91.10 | 61.60 | 30.30 | 8.10 | 250 | 30 | 44.63 | 65.41 | 5.19 | 3.11 | 21.16 | 26.86 | 64.38 | 62.51 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 175 | 30 | 39.09 | 51.26 | 6.19 | 2.78 | 33.04 | 20.83 | 43.83 | 43.61 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 200 | 15 | 40.42 | 54.08 | 6.45 | 2.77 | 30.12 | 22.26 | 48.43 | 47.57 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 200 | 30 | 43.79 | 57.55 | 6.14 | 2.75 | 27.47 | 23.76 | 56.01 | 54.84 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 200 | 60 | 43.31 | 57.57 | 6.63 | 2.83 | 26.57 | 24.15 | 56.30 | 54.26 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 200 | 120 | 42.44 | 60.36 | 6.27 | 2.58 | 24.49 | 25.25 | 57.68 | 55.75 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 225 | 30 | 45.47 | 58.93 | 6.29 | 2.68 | 29.07 | 24.55 | 60.09 | 58.31 |
| 45.95 | 6.45 | 2.68 | 36.56 | 89.50 | 69.60 | 22.30 | 8.00 | 250 | 30 | 34.46 | 63.75 | 6.09 | 3.58 | 18.77 | 27.00 | 50.08 | 47.81 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 180 | 30 | 46.90 | 43.17 | 4.66 | 2.68 | 28.44 | 17.46 | 54.53 | 59.97 | (Patel et al., 2021) |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 180 | 60 | 45.65 | 42.58 | 4.91 | 2.66 | 28.49 | 17.26 | 52.47 | 57.58 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 180 | 120 | 45.30 | 42.44 | 4.79 | 2.63 | 27.96 | 17.22 | 51.94 | 56.95 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 200 | 30 | 45.95 | 44.44 | 4.69 | 2.69 | 27.90 | 17.87 | 54.68 | 60.49 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 200 | 60 | 41.80 | 44.39 | 4.96 | 2.57 | 27.42 | 17.85 | 49.68 | 54.96 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 200 | 120 | 39.70 | 44.39 | 4.30 | 2.63 | 28.79 | 17.82 | 47.11 | 52.20 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 220 | 30 | 36.10 | 43.45 | 4.75 | 2.57 | 28.62 | 17.53 | 42.14 | 46.46 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 220 | 60 | 34.65 | 46.86 | 4.89 | 2.80 | 25.08 | 18.72 | 43.19 | 48.10 |
| 33.76 | 4.19 | 2.33 | 34.75 | 90.00 | 63.29 | 12.44 | 24.28 | 220 | 120 | 30.50 | 48.49 | 4.51 | 2.91 | 21.96 | 19.22 | 39.03 | 43.81 |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 150 | 30 | 72.45 | 49.77 | 5.39 | 0.21 | 43.41 | 19.59 | 78.69 | 78.75 | (Chen et al., 2021) |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 180 | 30 | 61.13 | 51.04 | 5.25 | 0.28 | 41.98 | 20.05 | 67.95 | 68.14 |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 210 | 30 | 55.52 | 57.33 | 5.02 | 0.30 | 35.79 | 22.55 | 69.41 | 69.51 |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 240 | 30 | 49.79 | 62.55 | 4.65 | 0.35 | 30.99 | 24.57 | 67.83 | 68.01 |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 270 | 30 | 44.28 | 67.05 | 4.55 | 0.40 | 27.24 | 26.55 | 65.18 | 64.84 |
| 45.79 | 5.01 | 0.33 | 45.38 | 90.00 | 72.16 | 24.64 | 3.19 | 300 | 30 | 41.88 | 69.55 | 4.49 | 0.43 | 24.81 | 27.63 | 64.15 | 63.61 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 180 | 60 | 63.06 | 51.77 | 6.25 | 0.24 | 36.20 | 20.76 | 71.24 | 70.66 | (Chen et al., 2018) |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 200 | 60 | 63.79 | 53.99 | 6.06 | 0.23 | 34.32 | 21.68 | 75.26 | 74.55 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 220 | 60 | 61.79 | 57.45 | 5.87 | 0.25 | 30.26 | 23.18 | 77.94 | 76.84 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 240 | 60 | 56.06 | 62.17 | 5.47 | 0.29 | 24.84 | 25.13 | 76.66 | 75.44 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 260 | 60 | 51.80 | 64.92 | 5.35 | 0.34 | 21.81 | 26.42 | 74.47 | 72.79 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 280 | 60 | 50.36 | 65.28 | 5.28 | 0.35 | 21.93 | 26.55 | 72.76 | 71.16 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 300 | 60 | 48.25 | 67.13 | 5.24 | 0.37 | 19.51 | 27.40 | 71.94 | 70.11 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 240 | 120 | 53.33 | 63.55 | 5.41 | 0.30 | 23.66 | 25.73 | 74.67 | 73.36 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 240 | 90 | 54.35 | 64.44 | 5.49 | 0.31 | 22.23 | 26.27 | 77.70 | 75.81 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 240 | 30 | 57.03 | 59.83 | 5.61 | 0.28 | 27.16 | 24.15 | 74.95 | 73.86 |
| 46.20 | 6.56 | 0.22 | 41.95 | 83.30 | 81.39 | 13.53 | 5.07 | 240 | 0 | 60.53 | 53.71 | 5.87 | 0.22 | 33.16 | 21.45 | 70.66 | 70.37 |
| 44.90 | 6.02 | 0.33 | 46.78 | 93.80 | 91.84 | 6.05 | 2.12 | 180 | 60 | 65.88 | 49.70 | 5.80 | 0.41 | 42.98 | 19.71 | 72.96 | 72.92 | (Śliz and Wilk, 2020) |
| 44.90 | 6.02 | 0.33 | 46.78 | 93.80 | 91.84 | 6.05 | 2.12 | 200 | 30 | 61.00 | 51.80 | 5.83 | 0.39 | 41.02 | 20.61 | 70.64 | 70.37 |
| 44.90 | 6.02 | 0.33 | 46.78 | 93.80 | 91.84 | 6.05 | 2.12 | 200 | 60 | 60.90 | 52.50 | 5.77 | 0.46 | 40.48 | 20.91 | 71.55 | 71.21 |
| 44.90 | 6.02 | 0.33 | 46.78 | 93.80 | 91.84 | 6.05 | 2.12 | 200 | 90 | 60.36 | 52.60 | 5.78 | 0.39 | 40.01 | 20.95 | 71.05 | 70.71 |
| 44.90 | 6.02 | 0.33 | 46.78 | 95.20 | 91.84 | 6.05 | 2.12 | 220 | 5 | 59.20 | 51.80 | 5.76 | 0.38 | 41.02 | 20.59 | 68.49 | 68.30 |
| 44.90 | 6.02 | 0.33 | 46.78 | 95.20 | 91.84 | 6.05 | 2.12 | 220 | 60 | 55.96 | 54.50 | 5.70 | 0.39 | 38.61 | 21.73 | 68.32 | 67.92 |
| 44.90 | 6.02 | 0.33 | 46.78 | 95.20 | 91.84 | 6.05 | 2.12 | 200 | 60 | 62.85 | 51.90 | 5.85 | 0.58 | 39.47 | 20.68 | 73.03 | 72.65 |
| 44.90 | 6.02 | 0.33 | 46.78 | 95.20 | 91.84 | 6.05 | 2.12 | 200 | 240 | 70.00 | 53.30 | 6.00 | 0.32 | 39.98 | 21.35 | 83.97 | 83.10 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 150 | 60 | 77.93 | 47.77 | 6.40 | 0.83 | 37.64 | 19.11 | 78.87 | 79.11 | (Yao et al., 2016) |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 180 | 60 | 63.68 | 51.30 | 6.50 | 0.75 | 35.17 | 20.71 | 69.84 | 69.42 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 210 | 60 | 60.55 | 53.27 | 6.44 | 0.59 | 34.84 | 21.60 | 69.27 | 68.54 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 60 | 46.25 | 61.60 | 6.28 | 0.88 | 25.72 | 25.72 | 63.00 | 60.54 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 270 | 60 | 30.95 | 69.36 | 6.06 | 1.11 | 19.13 | 29.71 | 48.70 | 45.62 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 300 | 60 | 29.00 | 70.22 | 5.62 | 1.28 | 15.49 | 29.69 | 45.60 | 43.27 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 30 | 50.96 | 60.00 | 6.46 | 0.79 | 27.42 | 25.03 | 67.55 | 64.97 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 45 | 47.55 | 60.83 | 6.38 | 0.82 | 26.36 | 25.35 | 63.84 | 61.46 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 90 | 41.24 | 65.34 | 6.18 | 0.99 | 22.14 | 27.61 | 60.30 | 57.26 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 120 | 40.15 | 65.98 | 5.95 | 1.20 | 21.31 | 27.71 | 58.92 | 56.29 |
| 47.06 | 6.85 | 0.83 | 37.08 | 95.20 | 76.11 | 15.71 | 8.18 | 240 | 180 | 40.00 | 66.62 | 6.01 | 1.24 | 21.00 | 28.11 | 59.55 | 56.63 |

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