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### **List of Publications- Last Five Years**

1. E. Vengadesan, R. Senthil, "A review on recent development of thermal performance enhancement methods of cc flat plate solar air collector", Renewable and Sustainable Energy reviews, 134, 2020 (SCI, Elsevier), Impact Factor: 12.11.
2. R. Senthil, Effect of charging of phase change material in vertical and horizontal rectangular enclosures in a concentrated solar receiver, Case Studies in Thermal Engineering (SCIE, WoS, Elsevier). 21, 100653, 2020. IF: 4.01.
3. E. Vengadesan, R. Senthil, "A review on recent development of thermal performance enhancement methods of flat plate solar water heater", Solar Energy, (WoS, SCI, Elsevier). 206, 935-961, 2020. IF: 4.608.
4. R. Senthil et al., Enhancement of absorptance of absorber surfaces of a flat plate solar collector using black coating with graphene, Energy Sources Part A (SCI indexed, Taylor & Francis), Sep 2020. Impact Factor = 1.184.
5. R. Senthil, M. Cheralathan. "Enhancement of the thermal energy storage capacity of a parabolic dish concentrated solar receiver using phase change materials", Journal of Energy Storage, 25, 2019, 100841. (SCIE, Elsevier). IF: 3.762.
6. R. Senthil, S. Yuvaraj, "A comprehensive Review on Bioinspired Solar Photovoltaic Cells", International Journal of Energy Research, 43(3), pp. 1068-1081, (WoS, SCIE, Wiley), Impact Factor: 3.741.
7. R. Senthil, "Effect of uniform and variable fin height on charging and discharging of PCM in a horizontal cylindrical thermal storage, Thermal Science, (SCIE), 22, 3 Part B, 1981-1988, 2017. IF: 1.574.
8. R. Senthil, Effect of position of heat transfer fluid tube on melting of phase change material in cylindrical thermal energy storage, Energy Sources Part A: Recover, Utilization and Environ. effects (WoS, SCI, Taylor & Francis,). DOI: 10.1080/15567036.2019.1649751. Impact Factor =1.184.
9. BMS Punniakodi, R. Senthil, Effect of conical coiled heat transfer fluid tube on charging of phase change material in a vertical shell and coil type cylindrical thermal energy storage, Energy Sources Part A: Recover, Utilization and Environ. effects (WoS, SCI, Taylor & Francis,). 2020. doi:10.1080/15567036.2020.1819476. Impact Factor =1.184.
10. R. Senthil, M. Cheralathan, "Effect of the PCM in a solar receiver on thermal performance of parabolic dish collector", Thermal Science, 2017. 21 (6B), pp. 2803 - 2812. (WoS, SCIE), Impact Factor: 1.574.

11. R. Senthil, M. Cheralathan, "Effect of non-uniform temperature distribution on surface absorption receiver in parabolic dish solar concentrator", *Thermal Science*, 21 (5), 2017, pp. 2011-2019. DOI: 10.2298/TSCI150609169S, (SCIE indexed), Impact Factor: 1.574.