|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Author (s)** | **Year** | **Reference** | **Country Income** | **Technology** | **Spatial Focus** | **SDG Addressed** | **Methodology** |
| A. Bauer et al. | 2022 | [18] | HIC | All | Remote | SDG 10 | Empirical |
| Abashidze et al. | 2022 | [22] | HIC | Satellite | All | Not Mentioned | Literature Review |
| Abrardi & Sabatino | 2023 | [23] | HIC | Wired | Urban | SDG 9 | Empirical |
| Ackermann et al. | 2023 | [24] | HIC | All | Rural | SDG 10 | Empirical |
| Ahmed et al. | 2018 | [25] | LMC | Mobile | All | Not Mentioned | Literature Review |
| Akcali Gur & Kulesza | 2024 | [26] | HIC | Satellite | Rural | SDG 9 | Empirical |
| Aldashev & Batkeyev | 2021 | [27] | UMC | Wired | Rural | SDG 9 | Empirical |
| Anderson et al. | 2022 | [28] | HIC | Satellite | Rural | Not Mentioned | Optimization & AI |
| Anser et al. | 2021 | [29] | UMC | All | All | Not Mentioned | Statistical |
| Asongu et al. | 2021 | [4] | UMC | All | All | SDG 10 | Empirical |
| Bala | 2023 | [30] | HIC | Mobile | All | SDG 9 | Empirical |
| Bao et al. | 2024 | [31] | UMC | Mobile | Urban | Not Mentioned | Empirical |
| Bauer & Bohlin | 2022 | [32] | HIC | Mobile | Urban | Not Mentioned | Literature Review |
| Bhandari et al. | 2024 | [33] | LMC | Mobile | All | Not Mentioned | Experiment & Survey |
| Billon et al. | 2021 | [5] | Global | All | All | SDG 10 | Empirical |
| Bolla et al. | 2010 | [34] | HIC | All | All | SDG 13 | Literature Review |
| Briglauer & Gugler | 2019 | [35] | Global | Wired | All | SDG 9 | Statistical |
| Briglauer et al. | 2024 | [36] | Global | Wired | All | Not Mentioned | Literature Review |
| C. Wang & Wang | 2024 | [37] | UMC | Wired | Urban | SDG 9 | Empirical |
| Cariolle | 2021 | [38] | LMC | Wired | All | SDG 10 | Empirical |
| Chen et al. | 2023 | [39] | UMC | All | Urban | SDG 9 | Empirical |
| Cheng et al. | 2022 | [40] | HIC | Mobile | All | SDG 13 | Optimization & AI |
| Chiha et al. | 2020 | [41] | HIC | Satellite | Rural | SDG 9 | Statistical |
| Choy et al. | 2024 | [16] | HIC | All | Rural | SDG 10 | Experiment & Survey |
| Corrado et al. | 2023 | [21] | LMC | Satellite | Rural | Not Mentioned | Literature Review |
| Cowie et al. | 2020 | [6] | HIC | All | Rural | SDG 10 | Empirical |
| Cramton et al. | 2024 | [10] | Global | All | All | Not Mentioned | Empirical |
| Dalwadi et al. | 2023 | [42] | LMC | Mobile | All | Not Mentioned | Literature Review |
| de Clercq et al. | 2023 | [43] | HIC | All | All | Not Mentioned | Empirical |
| Deevela et al. | 2024 | [44] | LMC | Mobile | All | SDG 13 | Empirical |
| del Portillo et al. | 2021 | [45] | HIC | Satellite | Rural | SDG 9 | Optimization & AI |
| Deller & Whitacre | 2019 | [46] | HIC | Wired | Remote | Not Mentioned | Statistical |
| Derksen et al. | 2022 | [47] | HIC | All | Rural | SDG 10 | Empirical |
| Dhara et al. | 2023 | [48] | LMC | Mobile | All | Not Mentioned | Literature Review |
| Du et al. | 2023 | [49] | UMC | All | Urban | SDG 13 | Empirical |
| Dzator et al. | 2023 | [9] | LMC | All | All | SDG 9 | Empirical |
| Edquist | 2022 | [50] | Global | Mobile | All | SDG 9 | Empirical |
| Edquist et al. | 2018 | [51] | Global | Mobile | All | SDG 8 | Statistical |
| Fadhil et al. | 2023 | [52] | LMC | Fixed Wireless | All | Not Mentioned | Literature Review |
| Ford & Koutsky | 2006 | [53] | HIC | Wired | Rural | SDG 9 | Empirical |
| Forge & Vu | 2020 | [54] | HIC | Mobile | All | Not Mentioned | Literature Review |
| Freitag et al. | 2021 | [8] | HIC | All | All | SDG 13 | Empirical |
| Gandotra & Jha | 2017 | [55] | Global | Mobile | All | SDG 13 | Literature Review |
| Gandotra et al. | 2017 | [56] | LMC | Mobile | All | Not Mentioned | Optimization & AI |
| Gareeb & Naicker | 2017 | [57] | UMC | All | All | SDG 9 | Statistical |
| Garroussi et al. | 2023 | [58] | HIC | Mobile | All | SDG 13 | Optimization & AI |
| Gerli & Whalley | 2021 | [59] | HIC | Wired | Rural | SDG 10 | Empirical |
| Gerli et al. | 2018 | [60] | HIC | All | All | SDG 9 | Literature Review |
| Glass & Tardiff | 2021 | [61] | HIC | All | All | SDG 10 | Literature Review |
| Golard et al. | 2022 | [62] | HIC | Mobile | All | Not Mentioned | Experiment & Survey |
| Golin | 2022 | [63] | HIC | All | All | SDG 3 | Empirical |
| Golin & Romarri | 2024 | [64] | HIC | Wired | Urban | SDG 10 | Empirical |
| Guo et al. | 2022 | [65] | UMC | Mobile | All | SDG 13 | Statistical |
| H. Xie et al. | 2023 | [66] | UMC | All | Rural | SDG 10 | Empirical |
| Hambly & Rajabiun | 2021 | [67] | HIC | All | Rural | SDG 10 | Empirical |
| Hampton et al. | 2021 | [68] | HIC | All | Rural | Not Mentioned | Empirical |
| Hashemizadeh et al. | 2023 | [69] | Global | All | All | SDG 9 | Empirical |
| He et al. | 2013 | [70] | UMC | Mobile | All | Not Mentioned | Optimization & AI |
| Helmy & Nayak | 2020 | [71] | HIC | Wired | All | Not Mentioned | Optimization & AI |
| Hoeschele et al. | 2021 | [72] | HIC | Mobile | Urban | Not Mentioned | Literature Review |
| Hu et al. | 2023 | [73] | UMC | All | Urban | Not Mentioned | Literature Review |
| Huang & Lin | 2023 | [74] | Global | All | All | SDG 13 | Empirical |
| Huseien & Shah | 2022 | [75] | Global | Mobile | All | Not Mentioned | Optimization & AI |
| Hutajulu et al. | 2020 | [76] | UMC | Mobile | Rural | Not Mentioned | Experiment & Survey |
| Islam et al. | 2021 | [77] | HIC | Fixed Wireless | Remote | SDG 8 | Experiment & Survey |
| Isley & Low | 2022 | [78] | HIC | All | All | SDG 9 | Statistical |
| Israr et al. | 2021 | [79] | UMC | Mobile | All | SDG 9 | Literature Review |
| Israr et al. | 2023 | [80] | LMC | Mobile | Urban | SDG 13 | Optimization & AI |
| J. Liu et al. | 2022 | [81] | UMC | All | Urban | Not Mentioned | Empirical |
| Jaffer et al. | 2023 | [82] | LMC | Mobile | Urban | Not Mentioned | Optimization & AI |
| Jha & Saha | 2019 | [83] | LMC | Mobile | Rural | SDG 9 | Empirical |
| Jiang et al. | 2022 | [84] | None | All | Not Applicable | All | Literature Review |
| Jing-shi et al. | 2024 | [85] | UMC | Satellite | All | Not Mentioned | Experiment & Survey |
| Joshi et al. | 2024 | [86] | LMC | All | Not Applicable | SDG 4 | Optimization & AI |
| Kandilov & Renkow | 2010 | [87] | HIC | Wired | Rural | SDG 9 | Empirical |
| Karakani | 2024 | [88] | UMC | All | Not Applicable | All | Experiment & Survey |
| Keene et al. | 2024 | [89] | HIC | All | Rural | SDG 10 | Empirical |
| Khan et al. | 2024 | [90] | LMC | Mobile | All | Not Mentioned | Literature Review |
| Kim & Orazem | 2016 | [91] | HIC | Wired | Rural | Not Mentioned | Empirical |
| Kohli et al. | 2024 | [92] | HIC | All | All | SDG 3 | Empirical |
| Kohn | 1997 | [93] | HIC | Satellite | Rural | SDG 9 | Statistical |
| Koutroumpis & Sarri | 2023 | [94] | HIC | Wired | All | Not Mentioned | Empirical |
| Kryszkiewicz et al. | 2022 | [95] | HIC | Mobile | Rural | SDG 9 | Experiment & Survey |
| Lee & Leonard | 2023 | [19] | HIC | All | Urban | Not Mentioned | Empirical |
| Li et al. | 2024 | [96] | UMC | All | Urban | Not Mentioned | Empirical |
| Liu et al. | 2014 | [97] | HIC | Mobile | All | Not Mentioned | Statistical |
| Lopez-Sintas et al. | 2020 | [3] | HIC | All | All | SDG 10 | Empirical |
| Lövehagen et al. | 2023 | [1] | Global | All | All | SDG 13 | Empirical |
| Ma et al. | 2024 | [98] | UMC | Wired | Urban | SDG 9 | Empirical |
| Maier & Lévesque | 2014 | [99] | HIC | All | All | SDG 9 | Literature Review |
| Markovitz & Segal | 2023 | [100] | HIC | Satellite | All | Not Mentioned | Optimization & AI |
| Markovitz & Segal | 2022 | [101] | HIC | Satellite | All | Not Mentioned | Optimization & AI |
| Martínez-Domínguez & Mora-Rivera | 2020 | [2] | UMC | All | Rural | SDG 10 | Experiment & Survey |
| Meng et al. | 2023 | [102] | UMC | Satellite | Rural | Not Mentioned | Experiment & Survey |
| Mohammed et al. | 2020 | [103] | HIC | Wired | All | Not Mentioned | Statistical |
| Mora-Rivera & García-Mora | 2021 | [104] | UMC | All | Rural | SDG 10 | Empirical |
| Mullick & Patnaik | 2022 | [105] | LMC | All | Urban | Not Mentioned | Empirical |
| Nahm et al. | 2023 | [106] | HIC | Satellite | Rural | Not Mentioned | Empirical |
| Nomikos et al. | 2022 | [107] | HIC | Satellite | All | SDG 9 | Literature Review |
| O’Shea et al. | 2023 | [108] | HIC | All | Rural | SDG 3 | Empirical |
| Okundamiya et al. | 2022 | [109] | Global | Mobile | All | SDG 13 | Optimization & AI |
| Orakzai et al. | 2017 | [110] | LMC | Mobile | All | Not Mentioned | Optimization & AI |
| Oruma et al. | 2021 | [111] | LMC | All | Rural | SDG 2 | Literature Review |
| Oughton | 2023 | [112] | Global | Mobile | All | SDG 10 | Empirical |
| Oughton & Russell | 2020 | [113] | HIC | Mobile | Urban | SDG 9 | Experiment & Survey |
| Oughton et al. | 2019 | [114] | HIC | Mobile | Urban | Not Mentioned | Empirical |
| Oughton et al. | 2022 | [115] | Global | Mobile | All | SDG 10 | Empirical |
| Oughton et al. | 2023 | [116] | Global | All | All | SDG 9 | Empirical |
| Owolabi et al. | 2023 | [117] | LMC | All | All | SDG 9 | Empirical |
| Palermo et al. | 2015 | [118] | HIC | Satellite | All | SDG 9 | Optimization & AI |
| Palmer-Abbs et al. | 2021 | [119] | HIC | All | Rural | SDG 10 | Empirical |
| Pan et al. | 2023 | [120] | UMC | All | All | SDG 13 | Empirical |
| Pansera et al. | 2024 | [121] | HIC | All | All | Not Mentioned | Literature Review |
| Pardini & Anselmo | 2020 | [122] | HIC | Satellite | All | Not Mentioned | Empirical |
| Paul et al. | 2023 | [123] | LMC | Fixed Wireless | All | Not Mentioned | Experiment & Survey |
| Peng et al. | 2024 | [124] | UMC | All | All | SDG 13 | Empirical |
| Phillipson et al. | 2013 | [125] | HIC | Wired | Urban | SDG 8 | Empirical |
| Prieto-Egido et al. | 2020 | [126] | HIC | Mobile | Remote | SDG 10 | Empirical |
| Quaglione et al. | 2020 | [127] | HIC | Wired | Urban | SDG 9 | Literature Review |
| Rajam et al. | 2021 | [11] | LMC | All | Rural | SDG 10 | Experiment & Survey |
| Rattaro et al. | 2017 | [128] | UMC | Mobile | All | Not Mentioned | Optimization & AI |
| Reddick et al. | 2020 | [129] | HIC | All | Rural | SDG 10 | Experiment & Survey |
| Rendon Schneir et al. | 2019 | [130] | HIC | Mobile | Urban | Not Mentioned | Empirical |
| Renga & Suraweera | 2024 | [131] | HIC | Mobile | All | Not Mentioned | Optimization & AI |
| Robles-Gómez et al. | 2021 | [132] | HIC | All | Urban | SDG 4 | Experiment & Survey |
| Ruiz et al. | 2022 | [133] | HIC | Mobile | Urban | SDG 13 | Empirical |
| S. Zhang & Yeung | 2022 | [134] | UMC | Satellite | All | Not Mentioned | Optimization & AI |
| S. Zhang et al. | 2020 | [135] | UMC | Mobile | All | Not Mentioned | Literature Review |
| Saia | 2023 | [136] | Global | All | All | Not Mentioned | Empirical |
| Saidani et al. | 2024 | [137] | Global | Mobile | All | Not Mentioned | Statistical |
| Sakshi Popli et al. | 2021 | [138] | Global | All | All | SDG 13 | Experiment & Survey |
| San Miguel et al. | 2024 | [139] | HIC | All | All | SDG 13 | Empirical |
| Sargam et al. | 2023 | [140] | LMC | Mobile | All | Not Mentioned | Experiment & Survey |
| Savazzi et al. | 2022 | [141] | HIC | Mobile | All | Not Mentioned | Optimization & AI |
| Sboui et al. | 2016 | [142] | HIC | Mobile | All | SDG 13 | Optimization & AI |
| Schaub & Morisi | 2019 | [143] | HIC | All | All | Not Mentioned | Experiment & Survey |
| Secara & Bruston | 2016 | [14] | Global | Satellite | All | Not Mentioned | Literature Review |
| Shaengchart & Kraiwanit | 2023 | [144] | UMC | Satellite | All | SDG 9 | Experiment & Survey |
| Shaengchart et al. | 2023 | [145] | UMC | Satellite | Rural | SDG 10 | Literature Review |
| Shaikh et al. | 2023 | [7] | HIC | All | All | SDG 10 | Empirical |
| Sharma et al. | 2019 | [146] | LMC | Mobile | All | SDG 9 | Literature Review |
| Shayea et al. | 2024 | [17] | UMC | Satellite | Rural | Not Mentioned | Literature Review |
| Shehab et al. | 2021 | [147] | HIC | Mobile | All | SDG 13 | Literature Review |
| Sinclair | 2023 | [148] | HIC | Wired | Urban | Not Mentioned | Experiment & Survey |
| Skinner et al. | 2024 | [149] | HIC | Wired | Rural | SDG 10 | Statistical |
| Souza et al. | 2021 | [150] | UMC | All | Remote | SDG 8 | Empirical |
| Srivastava et al. | 2020 | [151] | Global | All | All | SDG 13 | Literature Review |
| Strover et al. | 2024 | [152] | HIC | Wired | Rural | Not Mentioned | Empirical |
| Sung & Ahn | 2023 | [153] | HIC | Satellite | All | Not Mentioned | Optimization & AI |
| Tang & Yang | 2023 | [154] | UMC | All | Urban | SDG 13 | Empirical |
| Tedeschi et al. | 2022 | [155] | HIC | Satellite | All | Not Mentioned | Literature Review |
| Teimouri & Ahmadiyan | 2018 | [20] | UMC | All | All | Not Mentioned | Optimization & AI |
| Temesgene et al. | 2017 | [156] | HIC | Mobile | All | SDG 13 | Literature Review |
| Valente et al. | 2023 | [157] | HIC | Satellite | All | Not Mentioned | Optimization & AI |
| Valentín-Sívico et al. | 2022 | [12] | HIC | All | Rural | SDG 10 | Experiment & Survey |
| Valentín-Sívico et al. | 2023 | [158] | HIC | All | Rural | SDG 9 | Experiment & Survey |
| W. Jiang et al. | 2024 | [159] | UMC | Wired | Urban | Not Mentioned | Literature Review |
| W. Ma et al. | 2020 | [160] | HIC | All | Rural | SDG 10 | Empirical |
| W. Zhang et al. | 2023 | [161] | UMC | All | Urban | SDG 10 | Empirical |
| Wagner & Lee | 2023 | [162] | HIC | Wired | All | SDG 9 | Experiment & Survey |
| Wang et al. | 2024 | [163] | UMC | Wired | Rural | SDG 8 | Empirical |
| Whitacre & Gallardo | 2020 | [15] | HIC | All | Rural | SDG 10 | Empirical |
| Williams & Bergman | 2023 | [164] | HIC | Mobile | All | Not Mentioned | Literature Review |
| Williams et al. | 2022 | [165] | HIC | Mobile | All | SDG 9 | Literature Review |
| Wittig | 2009 | [166] | HIC | Satellite | Rural | SDG 9 | Empirical |
| Wu et al. | 2018 | [167] | None | All | Not Applicable | All | Literature Review |
| X. Ma et al. | 2022 | [168] | UMC | Mobile | All | SDG 9 | Statistical |
| X. Wang & Dong | 2023 | [169] | Global | All | All | SDG 13 | Statistical |
| X. Wang et al. | 2024 | [170] | UMC | Mobile | Urban | SDG 13 | Optimization & AI |
| X. Zhang | 2021 | [171] | HIC | Wired | All | SDG 9 | Empirical |
| X. Zhang et al. | 2023 | [172] | UMC | Mobile | Urban | SDG 13 | Empirical |
| X. Zhang et al. | 2022 | [173] | HIC | All | All | SDG 13 | Literature Review |
| Xiang et al. | 2022 | [174] | UMC | Wired | Rural | Not Mentioned | Experiment & Survey |
| Xiao et al. | 2024 | [175] | UMC | Wired | Urban | SDG 13 | Empirical |
| Xiao et al. | 2024 | [175] | UMC | All | Urban | SDG 13 | Empirical |
| Xie et al. | 2023 | [176] | Global | All | All | SDG 9 | Literature Review |
| Xu & Zheng | 2023 | [177] | UMC | Wired | Urban | Not Mentioned | Empirical |
| Xu et al. | 2019 | [178] | HIC | Wired | Rural | SDG 10 | Statistical |
| Yang et al. | 2023 | [179] | UMC | All | Urban | Not Mentioned | Empirical |
| Yangming et al. | 2024 | [180] | UMC | All | Rural | SDG 10 | Statistical |
| Yi et al. | 2024 | [181] | UMC | Mobile | All | Not Mentioned | Experiment & Survey |
| Yu et al. | 2016 | [182] | UMC | All | All | SDG 13 | Optimization & AI |
| Yuan et al. | 2023 | [13] | Global | Satellite | All | Not Mentioned | Literature Review |
| Z. Guo & Yan | 2015 | [183] | UMC | Satellite | All | Not Mentioned | Optimization & AI |
| Zeng et al. | 2023 | [184] | Global | Mobile | Urban | Not Mentioned | Optimization & AI |
| Zhang & Weng | 2024 | [185] | UMC | Wired | Urban | SDG 10 | Empirical |
| Zhou et al. | 2024 | [186] | UMC | All | Urban | SDG 13 | Empirical |