# Eusiel Rubio-Castro

List of Publications by Year
in descending order



| 23 | 634 | 567281 15 | 642732 23 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 23 | 23 | 23 | 413 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Optimal integration of organic Rankine cycles with industrial processes. Energy Conversion and Management, 2013, 73, 285-302. | 9.2 | 67 |
| 2 | Water Integration of Eco-Industrial Parks Using a Global Optimization Approach. Industrial & Engineering Chemistry Research, 2010, 49, 9945-9960. | 3.7 | 66 |
| 3 | Synthesis of cooling water systems with multiple cooling towers. Applied Thermal Engineering, 2013, 50, 957-974. | 6.0 | 63 |
| 4 | Optimal reconfiguration of multi-plant water networks into an eco-industrial park. Computers and Chemical Engineering, 2012, 44, 58-83. | 3.8 | 56 |
| 5 | A global optimal formulation for the water integration in eco-industrial parks considering multiple pollutants. Computers and Chemical Engineering, 2011, 35, 1558-1574. | 3.8 | 54 |
| 6 | Global optimization in propertyâ€based interplant water integration. AICHE Journal, 2013, 59, 813-833. | 3.6 | 47 |
| 7 | Optimization of mechanical draft counter flow wet-cooling towers using a rigorous model. Applied Thermal Engineering, 2011, 31, 3615-3628. | 6.0 | 44 |
| 8 | Optimization of Water Grid at Macroscopic Level Analyzing Waterâ€“Energyâ€“Food Nexus. ACS Sustainable Chemistry and Engineering, 2018, 6, 12140-12152. | 6.7 | 36 |
| 9 | Synthesis of Eco-Industrial Parks Interacting with a Surrounding Watershed. ACS Sustainable Chemistry and Engineering, 2015, 3, 1564-1578. | 6.7 | 30 |
| 10 | Involving resilience in optimizing the water-energy-food nexus at macroscopic level. Chemical Engineering Research and Design, 2021, 147, 259-273. | 5.6 | 23 |
| 11 | Optimal design of agricultural water systems with multiperiod collection, storage, and distribution. Agricultural Water Management, 2015, 152, 161-172. | 5.6 | 17 |
| 12 | Optimal design of total integrated residential complexes involving water-energy-waste nexus. Clean Technologies and Environmental Policy, 2018, 20, 1061-1085. | 4.1 | 17 |
| 13 | Fairness-guided design of water distribution networks for agricultural lands. Computers and Chemical Engineering, 2019, 130, 106547. | 3.8 | 17 |
| 14 | Involving Acceptability in the Optimal Synthesis of Water Networks in Eco-Industrial Parks. Industrial & Engineering Chemistry Research, 2019, 58, 2268-2279. | 3.7 | 17 |
| 15 | Solving the heat and mass transfer equations for an evaporative cooling tower through an orthogonal collocation method. Computers and Chemical Engineering, 2014, 71, 24-38. | 3.8 | 16 |
| 16 | Optimal design of integrated agricultural water networks. Computers and Chemical Engineering, 2016, 84, 63-82. | 3.8 | 13 |
| 17 | Optimal crop allocation including market trends and water availability. European Journal of Operational Research, 2020, 285, 728-739. | 5.7 | 13 |
| 18 | Optimizing resilience at water-energy-food nexus. Computers and Chemical Engineering, 2022, 160, 107710. | 3.8 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A Hybrid Metaheuristicâ€“Deterministic Optimization Strategy for Waste Heat Recovery in Industrial Plants. Industrial & Engineering Chemistry Research, 2021, 60, 3711-3722. | 3.7 | 10 |
| 20 | Optimal Design of Sustainable Agricultural Water Networks. ACS Sustainable Chemistry and Engineering, 2019, 7, 440-457. | 6.7 | 7 |
| 21 | Incorporating machine learning for thermal engines modeling in industrial waste heat recovery. Chemical Engineering Research and Design, 2022, 181, 239-252. | 5.6 | 5 |
| 22 | Analytical solution of the governing equations for heat and mass transfer in evaporative cooling process. International Journal of Refrigeration, 2020, 111, 178-187. | 3.4 | 3 |
| 23 | Optimal Profit Distribution in Interplant Waste Heat Integration through a Hybrid Approach. Energy, 2022, 253, 124001. | 8.8 | 2 |