

# Xinyue Peng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/663188/publications.pdf>

Version: 2024-02-01

11  
papers

217  
citations

1478505

6  
h-index

1588992

8  
g-index

11  
all docs

11  
docs citations

11  
times ranked

299  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Towards Solar Methanol: Past, Present, and Future. <i>Advanced Science</i> , 2019, 6, 1801903.   | 11.2 | 63        |
| 2  | Storing solar energy with chemistry: the role of thermochemical storage in concentrating solar power. <i>Green Chemistry</i> , 2017, 19, 2427-2438.                              | 9.0  | 45        |
| 3  | Design and analysis of concentrating solar power plants with fixed-bed reactors for thermochemical energy storage. <i>Applied Energy</i> , 2020, 262, 114543.                    | 10.1 | 38        |
| 4  | Greenhouse Gas Emission Mitigation Potential of Chemicals Produced from Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14480-14487.                        | 6.7  | 27        |
| 5  | Optimization-based process synthesis under seasonal and daily variability: Application to concentrating solar power. <i>AIChE Journal</i> , 2019, 65, e16458.                    | 3.6  | 22        |
| 6  | Solid-gas thermochemical energy storage strategies for concentrating solar power: Optimization and system analysis. <i>Energy Conversion and Management</i> , 2021, 245, 114636. | 9.2  | 12        |
| 7  | A photo-assisted electrochemical-based demonstrator for green ammonia synthesis. <i>Journal of Energy Chemistry</i> , 2022, 68, 826-834.   | 12.9 | 7         |
| 8  | Material Screening for Thermochemical Energy Storage in Solar Power Systems. <i>Computer Aided Chemical Engineering</i> , 2021, , 179-184.                                       | 0.5  | 3         |
| 9  | A general model for techno-economic analysis of CSP plants with thermochemical energy storage systems. <i>AIP Conference Proceedings</i> , 2017, , .                             | 0.4  | 0         |
| 10 | Process Synthesis under Seasonal and Daily Variability: Application on Concentrating Solar Power. <i>Computer Aided Chemical Engineering</i> , 2018, 44, 415-420.                | 0.5  | 0         |
| 11 | 5th Anniversary Article: Towards Solar Methanol: Past, Present, and Future ( <i>Adv. Sci.</i> 8/2019). <i>Advanced Science</i> , 2019, 6, 1970048.                               | 11.2 | 0         |