

# Matthew J Palys

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4185798/publications.pdf>

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9  
papers

390  
citations

1040056

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1474206

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docs citations

9  
times ranked

268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using hydrogen and ammonia for renewable energy storage: A geographically comprehensive techno-economic study. <i>Computers and Chemical Engineering</i> , 2020, 136, 106785.	3.8	96
2	Renewable ammonia for sustainable energy and agriculture: vision and systems engineering opportunities. <i>Current Opinion in Chemical Engineering</i> , 2021, 31, 100667.	7.8	63
3	Modeling and Optimal Design of Absorbent Enhanced Ammonia Synthesis. <i>Processes</i> , 2018, 6, 91.	2.8	57
4	Exploring the Benefits of Modular Renewable-Powered Ammonia Production: A Supply Chain Optimization Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 5898-5908.	3.7	49
5	Scheduling-informed optimal design of systems with time-varying operation: A wind-powered ammonia case study. <i>AIChE Journal</i> , 2019, 65, e16434.	3.6	49
6	A novel system for ammonia-based sustainable energy and agriculture: Concept and design optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 140, 11-21.	3.6	38
7	Distributed decision making for intensified process systems. <i>Current Opinion in Chemical Engineering</i> , 2019, 25, 75-81.	7.8	16
8	Optimal Design of Sustainable Ammonia-Based Food-Energy-Water Systems with Nitrogen Management. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2816-2834.	6.7	11
9	Renewable hydrogen and ammonia for combined heat and power systems in remote locations: Optimal design and scheduling. <i>Optimal Control Applications and Methods</i> , 2023, 44, 719-738.	2.1	11