

# Jack K Pedersen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5077374/publications.pdf>

Version: 2024-02-01

12  
papers

1,040  
citations

1040056

9  
h-index

1199594

12  
g-index

18  
all docs

18  
docs citations

18  
times ranked

762  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Entropy Alloys as a Discovery Platform for Electrocatalysis. <i>Joule</i> , 2019, 3, 834-845.	24.0	464
2	High-Entropy Alloys as Catalysts for the CO <sub>2</sub> and CO Reduction Reactions. <i>ACS Catalysis</i> , 2020, 10, 2169-2176.	11.2	259
3	Complex Solid-Solution Electrocatalyst Discovery by Computational Prediction and High-Throughput Experimentation**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6932-6937.	13.8	86
4	Bayesian Optimization of High-Entropy Alloy Compositions for Electrocatalytic Oxygen Reduction**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24144-24152.	13.8	61
5	Surface electrocatalysis on high-entropy alloys. <i>Current Opinion in Electrochemistry</i> , 2021, 26, 100651.	4.8	52
6	Unravelling Composition-Activity-Stability Trends in High Entropy Alloy Electrocatalysts by Using a Data-Guided Combinatorial Synthesis Strategy and Computational Modeling. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
7	Bayesian Optimization of High-Entropy Alloy Compositions for Electrocatalytic Oxygen Reduction**. <i>Angewandte Chemie</i> , 2021, 133, 24346-24354.	2.0	22
8	What Atomic Positions Determines Reactivity of a Surface? Long-Range, Directional Ligand Effects in Metallic Alloys. <i>Advanced Science</i> , 2021, 8, 2003357.	11.2	17
9	Lattice distortion releasing local surface strain on high-entropy alloys. <i>Nano Research</i> , 2022, 15, 4775-4779.	10.4	16
10	Complex Solid-Solution Electrocatalyst Discovery by Computational Prediction and High-Throughput Experimentation**. <i>Angewandte Chemie</i> , 2021, 133, 7008-7013.	2.0	8
11	Rationally Tailoring Catalysts for the CO Oxidation Reaction by Using DFT Calculations. <i>ACS Catalysis</i> , 2022, 12, 116-125.	11.2	8
12	Breaking with the Principles of Coreduction to Form Stoichiometric Intermetallic PdCu Nanoparticles. <i>Small Methods</i> , 2022, 6, e2200420.	8.6	5