

Kurt M Van Allsburg

List of Publications by Year in descending order

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14
papers

367
citations

932766
10
h-index

1125271
13
g-index

14
all docs

14
docs citations

14
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Driving towards cost-competitive biofuels through catalytic fast pyrolysis by rethinking catalyst selection and reactor configuration. <i>Energy and Environmental Science</i> , 2018, 11, 2904-2918.	15.6	95
2	Toward net-zero sustainable aviation fuel with wet waste-derived volatile fatty acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	63
3	Stabilization of reactive Co^{4+} O^{4-} cubane oxygen-evolution catalysts within porous frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11630-11639.	3.3	41
4	Methanol to high-octane gasoline within a market-responsive biorefinery concept enabled by catalysis. <i>Nature Catalysis</i> , 2019, 2, 632-640.	16.1	33
5	Estimating Precommercial Heterogeneous Catalyst Price: A Simple Step-Based Method. <i>Organic Process Research and Development</i> , 2018, 22, 1599-1605.	1.3	31
6	Atomic Layer Deposition with TiO_2 for Enhanced Reactivity and Stability of Aromatic Hydrogenation Catalysts. <i>ACS Catalysis</i> , 2021, 11, 8538-8549.	5.5	24
7	Controlled Synthesis of Transition Metal Phosphide Nanoparticles to Establish Composition-Dependent Trends in Electrocatalytic Activity. <i>Chemistry of Materials</i> , 2022, 34, 6255-6267.	3.2	17
8	Oxygen-Atom Transfer Chemistry and Thermolytic Properties of a Di-tert-Butylphosphate-Ligated Mn_4O_4 Cubane. <i>Chemistry - A European Journal</i> , 2015, 21, 4646-4654.	1.7	16
9	Techno-Economic Analysis of Recycled Ionic Liquid Solvent Used in a Model Colloidal Platinum Nanoparticle Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 246-253.	3.2	15
10	Early-stage evaluation of catalyst manufacturing cost and environmental impact using CatCost. <i>Nature Catalysis</i> , 2022, 5, 342-353.	16.1	13
11	Mine Water Use, Treatment, and Reuse in the United States: A Look at Current Industry Practices and Select Case Studies. <i>ACS ES&T Engineering</i> , 2022, 2, 391-408.	3.7	9
12	Zero Liquid Discharge and Water Reuse in Recirculating Cooling Towers at Power Facilities: Review and Case Study Analysis. <i>ACS ES&T Engineering</i> , 2022, 2, 508-525.	3.7	9
13	Energy Material Network Data Hubs. <i>International Journal of Advanced Computer Science and Applications</i> , 2021, 12, .	0.5	1
14	Applying Dynamic Strain on Thin Oxide Films Immobilized on a Pseudoelastic Nickel-Titanium Alloy. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	0