

# Katherine Koh

## List of Publications by Year in descending order

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15  
papers

616  
citations

759233

12  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Role of Metal and Molecular Structure on the Electrocatalytic Hydrogenation of Oxygenated Organic Compounds. <i>ACS Catalysis</i> , 2019, 9, 9964-9972.	11.2	81
2	Novel nanoporous N-doped carbon-supported ultrasmall Pd nanoparticles: Efficient catalysts for hydrogen storage and release. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 820-828.	20.2	80
3	Formic acid dehydrogenation over Pd NPs supported on amine-functionalized SBA-15 catalysts: structure-activity relationships. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16150-16161.	10.3	68
4	Performance of Base and Noble Metals for Electrocatalytic Hydrogenation of Bio-Oil-Derived Oxygenated Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4407-4418.	6.7	65
5	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1501-1505.	13.8	53
6	Mesoporous TiO <sub>2</sub> Comprising Small, Highly Crystalline Nanoparticles for Efficient CO <sub>2</sub> Reduction by H <sub>2</sub> O. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 531-540.	6.7	52
7	CO <sub>2</sub> -Mediated H <sub>2</sub> Storage-Release with Nanostructured Catalysts: Recent Progresses, Challenges, and Perspectives. <i>Advanced Energy Materials</i> , 2019, 9, 1901158.	19.5	47
8	N- and O-doped mesoporous carbons derived from rice grains: efficient metal-free electrocatalysts for hydrazine oxidation. <i>Chemical Communications</i> , 2016, 52, 13588-13591.	4.1	45
9	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 290-296.	13.8	40
10	Nanoporous Heteroatom-Doped Carbons Derived from Cotton Waste: Efficient Hydrazine Oxidation Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2019, 2, 2313-2323.	5.1	29
11	Simultaneous electrocatalytic hydrogenation of aldehydes and phenol over carbon-supported metals. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 27-36.	2.9	21
12	Electrochemically Tunable Proton-Coupled Electron Transfer in Pd-Catalyzed Benzaldehyde Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 1517-1521.	2.0	18
13	Hydrogen Bonding Enhances the Electrochemical Hydrogenation of Benzaldehyde in the Aqueous Phase. <i>Angewandte Chemie</i> , 2021, 133, 294-300.	2.0	12
14	Tuning proton transfer and catalytic properties in triple junction nanostructured catalyts. <i>Nano Energy</i> , 2021, 86, 106046.	16.0	5
15	Initial Ag Thin-Film Growths on a Polycarbonate Substrate at Periodic Step Mode Deposition (PSMD). <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11542-11547.	0.9	0