

# Arthur J Shih

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

1,575  
citations

840776

11  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1397  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrifying membranes to deliver hydrogen. <i>Science</i> , 2022, 376, 348-349.	12.6	16
2	Toward a Fundamental Understanding of Strain Generation and Strain Tuning for the Fuel Cell Applications. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1488-1488.	0.0	0
3	Electrocatalysis Under Cover: Enhanced Hydrogen Evolution Reaction (HER) Via Defective Graphene Covered Pt(111). <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1208-1208.	0.0	0
4	Electrocatalysis under Cover: Enhanced Hydrogen Evolution via Defective Graphene-Covered Pt(111). <i>ACS Catalysis</i> , 2021, 11, 10892-10901.	11.2	20
5	Influence of ZCuOH, Z <sub>2</sub> Cu, and Extraframework Cu <sub>x</sub> O <sub>y</sub> Species in Cu-SSZ-13 on N <sub>2</sub> O Formation during the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>ACS Catalysis</i> , 2021, 11, 10362-10376.	11.2	18
6	Electrochemical Reduction of the Simplest Monosaccharides: Dihydroxyacetone and Glyceraldehyde. <i>ACS Catalysis</i> , 2020, 10, 13895-13903.	11.2	16
7	Effects of dioxygen pressure on rates of NO <sub>x</sub> selective catalytic reduction with NH <sub>3</sub> on Cu-CHA zeolites. <i>Journal of Catalysis</i> , 2020, 389, 140-149.	6.2	44
8	Consequences of product inhibition in the quantification of kinetic parameters. <i>Journal of Catalysis</i> , 2020, 389, 468-475.	6.2	15
9	Consequences of exchange-site heterogeneity and dynamics on the UV-visible spectrum of Cu-exchanged SSZ-13. <i>Chemical Science</i> , 2019, 10, 2373-2384.	7.4	80
10	Spectroscopic and kinetic responses of Cu-SSZ-13 to SO <sub>2</sub> exposure and implications for NO <sub>x</sub> selective catalytic reduction. <i>Applied Catalysis A: General</i> , 2019, 574, 122-131.	4.3	48
11	Structural and kinetic changes to small-pore Cu-zeolites after hydrothermal aging treatments and selective catalytic reduction of NO <sub>x</sub> with ammonia. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 168-179.	3.7	54
12	Dynamic multinuclear sites formed by mobilized copper ions in NO <sub>x</sub> selective catalytic reduction. <i>Science</i> , 2017, 357, 898-903.	12.6	667
13	Catalysis in a Cage: Condition-Dependent Speciation and Dynamics of Exchanged Cu Cations in SSZ-13 Zeolites. <i>Journal of the American Chemical Society</i> , 2016, 138, 6028-6048.	13.7	588
14	SCR of Nitric Oxide by Hydrogen over Pd and Ir Based Catalysts with Different Supports. <i>Catalysis Letters</i> , 2015, 145, 1491-1499.	2.6	9