Weiting Yu

List of Publications by Year in descending order

32 papers	3,235 citations	279798 23 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	5314 citing authors

#	Article	IF	Citations
1	Highly selective electrocatalytic reduction of CO2 to HCOOH over an in situ derived hydrocerussite thin film on a Pb substrate. Chemosphere, 2022, 291, 132889.	8.2	10
2	Ag-MOF-derived 3D Ag dendrites used for the efficient electrocatalytic reduction of CO2 to CO. Electrochimica Acta, 2022, 403, 139652.	5.2	10
3	Facile treatment tuning the morphology of Pb with state-of-the-art selectivity in CO₂ electroreduction to formate. Chemical Communications, 2021, 57, 7418-7421.	4.1	34
4	Designing an Electron-Deficient Pd/NiCo₂O₄ Bifunctional Electrocatalyst with an Enhanced Hydrodechlorination Activity to Reduce the Consumption of Pd. Environmental Science & Technology, 2021, 55, 10087-10096.	10.0	64
5	Optimized pore configuration in solar-driven regenerable adsorbent for organic micro-pollutants removal. Chemical Engineering Journal, 2021, 426, 131244.	12.7	24
6	Catalytic performance and reaction mechanism of NO oxidation over Co3O4 catalysts. Applied Catalysis B: Environmental, 2020, 267, 118371.	20.2	47
7	Enhanced electrocatalytic dechlorination of 2,4-dichlorophenoxyacetic acid on in situ prepared Pd-anchored Ni(OH)₂ bifunctional electrodes: synergistic effect between H* formation on Ni(OH)₂ and dechlorination steps on Pd. Catalysis Science and Technology, 2019, 9, 5130-5141.	4.1	18
8	Electrocatalytic hydrogen evolution on iron-cobalt nanoparticles encapsulated in nitrogenated carbon nanotube. International Journal of Hydrogen Energy, 2019, 44, 16478-16486.	7.1	32
9	Recent development in the fabrication of self-healing superhydrophobic surfaces. Chemical Engineering Journal, 2019, 373, 531-546.	12.7	200
10	Dispersed copper nanoparticles promote the electron mobility of nitrogen-rich graphitized carbon aerogel for electrochemical determination of 4-nitrophenol. Mikrochimica Acta, 2019, 186, 853.	5.0	17
11	CO₂ Hydrogenation over Oxideâ€Supported PtCo Catalysts: The Role of the Oxide Support in Determining the Product Selectivity. Angewandte Chemie - International Edition, 2016, 55, 7968-7973.	13.8	261
12	CO 2 Hydrogenation over Oxideâ€Supported PtCo Catalysts: The Role of the Oxide Support in Determining the Product Selectivity. Angewandte Chemie, 2016, 128, 8100-8105.	2.0	41
13	Reaction pathways of model compounds of biomass-derived oxygenates on Fe/Ni bimetallic surfaces. Surface Science, 2015, 640, 159-164.	1.9	10
14	Reaction Pathways of Biomassâ€Derived Oxygenates over Metals and Carbides: From Model Surfaces to Supported Catalysts. ChemCatChem, 2015, 7, 1402-1421.	3.7	50
15	Highly porous non-precious bimetallic electrocatalysts for efficient hydrogen evolution. Nature Communications, 2015, 6, 6567.	12.8	440
16	Selective deoxygenation of aldehydes and alcohols on molybdenum carbide (Mo 2 C) surfaces. Applied Surface Science, 2014, 323, 88-95.	6.1	46
17	Selective hydrogenation of 1,3-butadiene on PdNi bimetallic catalyst: From model surfaces to supported catalysts. Journal of Catalysis, 2014, 316, 1-10.	6.2	55
18	Trends in Electrochemical Stability of Transition Metal Carbides and Their Potential Use As Supports for Low-Cost Electrocatalysts. ACS Catalysis, 2014, 4, 1558-1562.	11.2	142

#	Article	IF	Citations
19	Theoretical and Experimental Studies of Câ€“C versus Câ€“O Bond Scission of Ethylene Glycol Reaction Pathways via Metal-Modified Molybdenum Carbides. ACS Catalysis, 2014, 4, 1409-1418.	11.2	45
20	Theoretical and experimental studies of the adsorption geometry and reaction pathways of furfural over FeNi bimetallic model surfaces and supported catalysts. Journal of Catalysis, 2014, 317, 253-262.	6.2	88
21	Selective Hydrodeoxygenation of Biomassâ€Derived Oxygenates to Unsaturated Hydrocarbons using Molybdenum Carbide Catalysts. ChemSusChem, 2013, 6, 798-801.	6.8	173
22	Challenges and opportunities in correlating bimetallic model surfaces and supported catalysts. Journal of Catalysis, 2013, 308, 2-10.	6.2	31
23	Biomass-derived oxygenate reforming on Pt(111): A demonstration of surface science using d-glucose and its model surrogate glycolaldehyde. Surface Science, 2012, 606, L91-L94.	1.9	10
24	Review of Pt-Based Bimetallic Catalysis: From Model Surfaces to Supported Catalysts. Chemical Reviews, 2012, 112, 5780-5817.	47.7	1,082
25	Correlating the Surface Chemistry of C₂ and C₃ Aldoses with a C₆ Sugar: Reaction of Glucose, Glyceraldehyde, and Glycolaldehyde on Pd(111). Journal of Physical Chemistry C, 2012, 116, 18891-18898.	3.1	22
26	Comparison of Reaction Pathways of Ethylene Glycol, Acetaldehyde, and Acetic Acid on Tungsten Carbide and Ni-Modified Tungsten Carbide Surfaces. Journal of Physical Chemistry C, 2012, 116, 5720-5729.	3.1	29
27	Glycolaldehyde as a Probe Molecule for Biomass Derivatives: Reaction of Câ€”OH and Câ•O Functional Groups on Monolayer Ni Surfaces. Journal of the American Chemical Society, 2011, 133, 20528-20535.	13.7	42
28	Differentiation of Oâ€“H and Câ€“H Bond Scission Mechanisms of Ethylene Glycol on Pt and Ni/Pt Using Theory and Isotopic Labeling Experiments. Journal of the American Chemical Society, 2011, 133, 7996-8004.	13.7	107
29	The effects of oxide supports on the low temperature hydrogenation activity of acetone over Pt/Ni bimetallic catalysts on SiO2, Î³-Al2O3 and TiO2. Applied Catalysis A: General, 2011, 393, 44-49.	4.3	26
30	General Trends in the Partial and Complete Hydrogenation of 1,4â€Cyclohexadiene over Ptâ€“Co, Ptâ€“Ni and Ptâ€“Cu Bimetallic Catalysts. ChemCatChem, 2010, 2, 625-628.	3.7	22
31	Hypercrosslinked polystyrene microspheres with bimodal pore size distribution and controllable macroporosity. Journal of Applied Polymer Science, 2010, 116, 84-92.	2.6	47
32	Low-Temperature Hydrogenation and Dehydrogenation of 1,3-Cyclohexadiene on Pt/Ni Bimetallic Catalysts. Chinese Journal of Catalysis, 2010, 31, 955-960.	14.0	10