Wen-Yueh Yu

List of Publications by Year
in descending order

34 papers	2,036 citations	279798 23 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	3341 citing authors

#	Article	IF	Citations
1	Facile reflux preparation of defective mesoporous ceria nanorod with superior catalytic activity for direct carbon dioxide conversion into dimethyl carbonate. Chemical Engineering Journal, 2022, 430, 132941.	12.7	30
2	Rational synthesis of ruthenium-based metallo-supramolecular polymers as heterogeneous catalysts for catalytic transfer hydrogenation of carbonyl compounds. Applied Catalysis B: Environmental, 2022, 312, 121383.	20.2	10
3	Recent advances in heterogeneous catalytic hydrodeoxygenation of biomass-derived oxygenated furanics mediated by formic acid. Materials Today Sustainability, 2022, 19, 100199.	4.1	7
4	Critical Roles of Surface Oxygen Vacancy in Heterogeneous Catalysis over Ceria-based Materials: A Selected Review. Chemistry Letters, 2021, 50, 856-865.	1.3	26
5	MgO nanoparticles confined in ZIF-8 as acid-base bifunctional catalysts for enhanced glycerol carbonate production from transesterification of glycerol and dimethyl carbonate. Catalysis Today, 2020, 351, 21-29.	4.4	38
6	Direct copolymerization of carbon dioxide and 1,4-butanediol enhanced by ceria nanorod catalyst. Applied Catalysis B: Environmental, 2020, 265, 118524.	20.2	46
7	Conceptual design, environmental, and economic evaluation of direct copolymerization process of carbon dioxide and 1,4-butanediol. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 36-42.	5.3	9
8	Palladium nanoparticles supported on nanosheet-like graphitic carbon nitride for catalytic transfer hydrogenation reaction. Catalysis Science and Technology, 2020, 10, 7883-7893.	4.1	12
9	Size-Tunable Synthesis of Palladium Nanoparticles Confined within Topologically Distinct Metalâ€"Organic Frameworks for Catalytic Dehydrogenation of Methanol. Journal of Physical Chemistry C, 2020, 124, 12521-12530.	3.1	22
10	Controlling the Oxidation State of the Cu Electrode and Reaction Intermediates for Electrochemical CO₂ Reduction to Ethylene. Journal of the American Chemical Society, 2020, 142, 2857-2867.	13.7	342
11	Layer-controlled two-dimensional perovskites: synthesis and optoelectronics. Journal of Materials Chemistry C, 2017, 5, 5610-5627.	5.5	60
12	Mechanistic insights on ethanol dehydrogenation on Pdâ€"Au model catalysts: a combined experimental and DFT study. Physical Chemistry Chemical Physics, 2017, 19, 30578-30589.	2.8	57
13	Effect of annealing in oxygen on alloy structures of Pdâ€"Au bimetallic model catalysts. Physical Chemistry Chemical Physics, 2015, 17, 20588-20596.	2.8	23
14	Oxygen Activation and Reaction on Pdâ€"Au Bimetallic Surfaces. Journal of Physical Chemistry C, 2015, 119, 11754-11762.	3.1	57
15	Interactions of Hydrogen and Carbon Monoxide on Pdâ€"Au Bimetallic Surfaces. Journal of Physical Chemistry C, 2014, 118, 2129-2137.	3.1	17
16	Selective Hydrogen Production from Formic Acid Decomposition on Pdâ€"Au Bimetallic Surfaces. Journal of the American Chemical Society, 2014, 136, 11070-11078.	13.7	208
17	Hydrogen Adsorption and Absorption with Pdâ€"Au Bimetallic Surfaces. Journal of Physical Chemistry C, 2013, 117, 19535-19543.	3.1	81
18	Model studies of heterogeneous catalytic hydrogenation reactions with gold. Chemical Society Reviews, 2013, 42, 5002.	38.1	89

#	ARTICLE	IF	CITATIONS
19	Highly Selective, Facile NO₂ Reduction to NO at Cryogenic Temperatures on Hydrogen Precovered Gold. Journal of the American Chemical Society, 2013, 135, 436-442.	13.7	10
20	CO oxidation on inverse Fe2O3/Au(111) model catalysts. Journal of Catalysis, 2012, 294, 216-222.	6.2	45
21	Structure Revealing H/D Exchange with Co-Adsorbed Hydrogen and Water on Gold. Journal of Physical Chemistry Letters, 2012, 3, 1894-1899.	4.6	34
22	Influence of Hydrofluoric Acid Formation on Lithium Ion Insertion in Nanostructured V₂O₅. Journal of Physical Chemistry C, 2012, 116, 21208-21215.	3.1	19
23	Mechanism for the waterâ€“gas shift reaction on monofunctional platinum and cause of catalyst deactivation. Journal of Catalysis, 2011, 282, 278-288.	6.2	58
24	Transparent electrodes of ordered opened-end TiO₂-nanotube arrays for highly efficient dye-sensitized solar cells. Journal of Materials Chemistry, 2010, 20, 1073-1077.	6.7	166
25	Pt/titania-nanotube: A potential catalyst for CO2 adsorption and hydrogenation. Applied Catalysis B: Environmental, 2008, 84, 112-118.	20.2	115
26	Glycan Arrays on Aluminumâ€Coated Glass Slides. Chemistry - an Asian Journal, 2008, 3, 1395-1405.	3.3	22
27	Fabrication of open-ended high aspect-ratio anodic TiO2 nanotube films for photocatalytic and photoelectrocatalytic applications. Chemical Communications, 2008, , 6031.	4.1	91
28	Rough conical-shaped TiO2-nanotube arrays for flexible backilluminated dye-sensitized solar cells. Applied Physics Letters, 2008, 93, .	3.3	55
29	Fabrication and Characterization of Well-Dispersed and Highly Stable PtRu Nanoparticles on Carbon Mesoporous Material for Applications in Direct Methanol Fuel Cell. Chemistry of Materials, 2008, 20, 1622-1628.	6.7	136
30	Effect of anodic TiO2 powder as additive on electron transport properties in nanocrystalline TiO2 dye-sensitized solar cells. Applied Physics Letters, 2007, 91, 233120.	3.3	40
31	Low-temperature preferential oxidation of CO in a hydrogen rich stream (PROX) over Au/TiO2: Thermodynamic study and effect of gold-colloid pH adjustment time on catalytic activity. Journal of the Taiwan Institute of Chemical Engineers, 2007, 38, 151-160.	1.4	24
32	Phase transformation in CeO2â€“Co3O4 binary oxide under reduction and calcination pretreatments. Catalysis Letters, 2007, 116, 161-166.	2.6	19
33	Preparation of nano-gold in zeolites for CO oxidation: Effects of structures and number of ion exchange sites of zeolites. Applied Catalysis A: General, 2005, 291, 162-169.	4.3	47
34	Preparation of Au/TiO2 for catalytic preferential oxidation of CO under a hydrogen rich atmosphere at around room temperature. Chemical Communications, 2005, , 354.	4.1	21