

# Wen-Yueh Yu

## List of Publications by Year in descending order

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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	Controlling the Oxidation State of the Cu Electrode and Reaction Intermediates for Electrochemical CO <sub>2</sub> Reduction to Ethylene. <i>Journal of the American Chemical Society</i> , 2020, 142, 2857-2867.	13.7	342
2	Selective Hydrogen Production from Formic Acid Decomposition on Pd-Au Bimetallic Surfaces. <i>Journal of the American Chemical Society</i> , 2014, 136, 11070-11078.	13.7	208
3	Transparent electrodes of ordered opened-end TiO <sub>2</sub> -nanotube arrays for highly efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 1073-1077.	6.7	166
4	Fabrication and Characterization of Well-Dispersed and Highly Stable PtRu Nanoparticles on Carbon Mesoporous Material for Applications in Direct Methanol Fuel Cell. <i>Chemistry of Materials</i> , 2008, 20, 1622-1628.	6.7	136
5	Pt/titania-nanotube: A potential catalyst for CO <sub>2</sub> adsorption and hydrogenation. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 112-118.	20.2	115
6	Fabrication of open-ended high aspect-ratio anodic TiO <sub>2</sub> nanotube films for photocatalytic and photoelectrocatalytic applications. <i>Chemical Communications</i> , 2008, , 6031.	4.1	91
7	Model studies of heterogeneous catalytic hydrogenation reactions with gold. <i>Chemical Society Reviews</i> , 2013, 42, 5002.	38.1	89
8	Hydrogen Adsorption and Absorption with Pd-Au Bimetallic Surfaces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19535-19543.	3.1	81
9	Layer-controlled two-dimensional perovskites: synthesis and optoelectronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5610-5627.	5.5	60
10	Mechanism for the water-gas shift reaction on monofunctional platinum and cause of catalyst deactivation. <i>Journal of Catalysis</i> , 2011, 282, 278-288.	6.2	58
11	Oxygen Activation and Reaction on Pd-Au Bimetallic Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11754-11762.	3.1	57
12	Mechanistic insights on ethanol dehydrogenation on Pd-Au model catalysts: a combined experimental and DFT study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30578-30589.	2.8	57
13	Rough conical-shaped TiO <sub>2</sub> -nanotube arrays for flexible backilluminated dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	55
14	Preparation of nano-gold in zeolites for CO oxidation: Effects of structures and number of ion exchange sites of zeolites. <i>Applied Catalysis A: General</i> , 2005, 291, 162-169.	4.3	47
15	Direct copolymerization of carbon dioxide and 1,4-butanediol enhanced by ceria nanorod catalyst. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118524.	20.2	46
16	CO oxidation on inverse Fe <sub>2</sub> O <sub>3</sub> /Au(111) model catalysts. <i>Journal of Catalysis</i> , 2012, 294, 216-222.	6.2	45
17	Effect of anodic TiO <sub>2</sub> powder as additive on electron transport properties in nanocrystalline TiO <sub>2</sub> dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2007, 91, 233120.	3.3	40
18	MgO nanoparticles confined in ZIF-8 as acid-base bifunctional catalysts for enhanced glycerol carbonate production from transesterification of glycerol and dimethyl carbonate. <i>Catalysis Today</i> , 2020, 351, 21-29.	4.4	38

#	ARTICLE	IF	CITATIONS
19	Structure Revealing H/D Exchange with Co-Adsorbed Hydrogen and Water on Gold. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1894-1899.	4.6	34
20	Facile reflux preparation of defective mesoporous ceria nanorod with superior catalytic activity for direct carbon dioxide conversion into dimethyl carbonate. <i>Chemical Engineering Journal</i> , 2022, 430, 132941.	12.7	30
21	Critical Roles of Surface Oxygen Vacancy in Heterogeneous Catalysis over Ceria-based Materials: A Selected Review. <i>Chemistry Letters</i> , 2021, 50, 856-865.	1.3	26
22	Low-temperature preferential oxidation of CO in a hydrogen rich stream (PROX) over Au/TiO <sub>2</sub> : Thermodynamic study and effect of gold-colloid pH adjustment time on catalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2007, 38, 151-160.	1.4	24
23	Effect of annealing in oxygen on alloy structures of Pd-Au bimetallic model catalysts. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20588-20596.	2.8	23
24	Glycan Arrays on Aluminum-Coated Glass Slides. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1395-1405.	3.3	22
25	Size-Tunable Synthesis of Palladium Nanoparticles Confined within Topologically Distinct Metal-Organic Frameworks for Catalytic Dehydrogenation of Methanol. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12521-12530.	3.1	22
26	Preparation of Au/TiO <sub>2</sub> for catalytic preferential oxidation of CO under a hydrogen rich atmosphere at around room temperature. <i>Chemical Communications</i> , 2005, , 354.	4.1	21
27	Phase transformation in CeO <sub>2</sub> -Co <sub>3</sub> O <sub>4</sub> binary oxide under reduction and calcination pretreatments. <i>Catalysis Letters</i> , 2007, 116, 161-166.	2.6	19
28	Influence of Hydrofluoric Acid Formation on Lithium Ion Insertion in Nanostructured V <sub>2</sub> O <sub>5</sub> . <i>Journal of Physical Chemistry C</i> , 2012, 116, 21208-21215.	3.1	19
29	Interactions of Hydrogen and Carbon Monoxide on Pd-Au Bimetallic Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2129-2137.	3.1	17
30	Palladium nanoparticles supported on nanosheet-like graphitic carbon nitride for catalytic transfer hydrogenation reaction. <i>Catalysis Science and Technology</i> , 2020, 10, 7883-7893.	4.1	12
31	Highly Selective, Facile NO <sub>2</sub> Reduction to NO at Cryogenic Temperatures on Hydrogen Precovered Gold. <i>Journal of the American Chemical Society</i> , 2013, 135, 436-442.	13.7	10
32	Rational synthesis of ruthenium-based metallo-supramolecular polymers as heterogeneous catalysts for catalytic transfer hydrogenation of carbonyl compounds. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121383.	20.2	10
33	Conceptual design, environmental, and economic evaluation of direct copolymerization process of carbon dioxide and 1,4-butanediol. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 116, 36-42.	5.3	9
34	Recent advances in heterogeneous catalytic hydrodeoxygenation of biomass-derived oxygenated furanics mediated by formic acid. <i>Materials Today Sustainability</i> , 2022, 19, 100199.	4.1	7