Wei-Fu Chen

List of Publications by Year
in descending order

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32	4,854	361296	454834
papers	citations	20 h-index	30 g-index

34	34	34	7590
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogenâ€Evolution Catalysts Based on Nonâ€Noble Metal Nickelâ€“Molybdenum Nitride Nanosheets. Angewandte Chemie - International Edition, 2012, 51, 6131-6135.	7.2	1,174
2	Recent developments in transition metal carbides and nitrides as hydrogen evolution electrocatalysts. Chemical Communications, 2013, 49, 8896.	2.2	1,035
3	Highly active and durable nanostructured molybdenum carbide electrocatalysts for hydrogen production. Energy and Environmental Science, 2013, 6, 943.	15.6	874
4	Highly stable Pt monolayer on PdAu nanoparticle electrocatalysts for the oxygen reduction reaction. Nature Communications, 2012, 3, 1115.	5.8	377
5	Biomass-derived electrocatalytic composites for hydrogen evolution. Energy and Environmental Science, 2013, 6, 1818.	15.6	343
6	Poly(oxyalkylene)diamine-Functionalized Carbon Nanotube/Perfluorosulfonated Polymer Composites: Synthesis, Water State, and Conductivity. Chemistry of Materials, 2008, 20, 5756-5767.	3.2	104
7	Tungsten Carbideâ€“Nitride on Graphene Nanoplatelets as a Durable Hydrogen Evolution Electrocatalyst. ChemSusChem, 2014, 7, 2414-2418.	3.6	101
8	Beaded stream-like CoSe₂ nanoneedle array for efficient hydrogen evolution electrocatalysis. Journal of Materials Chemistry A, 2016, 4, 4553-4561.	5.2	89
9	Formation of Silver Nanoparticles under Structured Amino Groups in Pseudo-dendritic Poly(allylamine) Derivatives. Journal of Physical Chemistry B, 2003, 107, 11267-11272.	1.2	85
10	Coreâ€“shell, hollow-structured iridiumâ€“nickel nitride nanoparticles for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2014, 2, 591-594.	5.2	83
11	Covalently Cross-Linked Perfluorosulfonated Membranes with Polysiloxane Framework. Macromolecules, 2007, 40, 1987-1994.	2.2	71
12	Stabilizing Effect of Pseudo-Dendritic Polyethylenimine on Platinum Nanoparticles Supported on Carbon. Journal of Physical Chemistry B, 2006, 110, 3071-3077.	1.2	52
13	Platinum-monolayer electrocatalysts: Palladium interlayer on IrCo alloy core improves activity in oxygen-reduction reaction. Journal of Electroanalytical Chemistry, 2010, 649, 232-237.	1.9	45
14	Highly efficient nitrogen and carbon coordinated Nâ€“Coâ€“C electrocatalysts on reduced graphene oxide derived from vitamin-B12 for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 7179-7185.	5.2	41
15	Generation and Synthetic Uses of Stable 4-[2-Isopropylidene]-phenol Carbocation from Bisphenol A. Organic Letters, 2004, 6, 2341-2343.	2.4	38
16	Self-Assembly of Gold Nanoparticles Induced by Poly(oxypropylene)diamines. Journal of Physical Chemistry B, 2005, 109, 24288-24294.	1.2	37
17	Proton transportation in an organic-inorganic hybrid polymer electrolyte based on a polysiloxane/poly(allylamine) network. Journal of Polymer Science Part A, 2005, 43, 3359-3367.	2.5	35
18	Mesoporous SiO₂/carbon hollow spheres applied towards a high rate-performance Li-battery anode. Inorganic Chemistry Frontiers, 2016, 3, 1398-1405.	3.0	32

#	Article	IF	Citations
19	Nanostructured Coral-like Carbon as Pt Support for Fuel Cells. Journal of Physical Chemistry C, 2010, 114, 6976-6982.	1.5	22
20	Sea urchin-like mesoporous carbon material grown with carbon nanotubes as a cathode catalyst support for fuel cells. Journal of Power Sources, 2010, 195, 7983-7990.	4.0	20
21	Enhanced Stabilization and Deposition of Pt Nanocrystals on Carbon by Dumbbell-like Polyethyleniminated Poly(oxypropylene)diamine. Journal of Physical Chemistry B, 2006, 110, 9822-9830.	1.2	17
22	Enhanced hydrogen evolution reaction on hybrids of cobalt phosphide and molybdenum phosphide. Royal Society Open Science, 2017, 4, 161016.	1.1	16
23	Continuous channels created by self-assembly of ionic cross-linked polysiloxaneâ€“Nafion nanocomposites. Polymer Chemistry, 2012, 3, 1991.	1.9	15
24	Microstructure and protonic conductivity of H3PO4-doped polyethylenimineâ€“siloxane chemically covalently organicâ€“inorganic hybrids. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 2135-2144.	2.4	13
25	Multichelate-functionalized carbon nanospheres used for immobilizing Pt catalysts for fuel cells. Journal of Power Sources, 2009, 194, 234-242.	4.0	11
26	Sulfonated nanoplates in proton conducting membranes for fuel cells. RSC Advances, 2011, 1, 968.	1.7	10
27	Inorganicâ€“organic hybrid polymer electrolyte based on polysiloxane/poly(maleic imide-co-styrene) network. Journal of Power Sources, 2010, 195, 6434-6442.	4.0	8
28	Highly conductive, crosslinked ionomers based on poly(styrene-co-maleic anhydride) for water electrolysis. Journal of Materials Chemistry A, 2013, 1, 8093.	5.2	2
29	Cobalt Molybdenum Phosphide As a Non-Noble-Metal Catalyst for the Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2016, , .	0.0	0
30	Electrochemical Synthesis of Single Pt Atom Catalyst for Hydrogen Reactions. ECS Meeting Abstracts, 2016, , .	0.0	0
31	Nickel Nanocluster Loaded Black Titania for Photocatalytic Reduction of CO2 into Solar Fuels: Computational and Experimental Studies. ECS Meeting Abstracts, 2017, , .	0.0	0
32	Highly Efficient Vitamin-B12 Pyrolyzed N-Co-C Electrocatalyst for Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2018, , .	0.0	0