

Wei-Fu Chen

List of Publications by Year in descending order

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32
papers

4,854
citations

361296

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454834

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g-index

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docs citations

34
times ranked

7590
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Highly Efficient Vitamin-B12 Pyrolyzed N-Co-C Electrocatalyst for Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2018, , .	0.0	0
3	Enhanced hydrogen evolution reaction on hybrids of cobalt phosphide and molybdenum phosphide. Royal Society Open Science, 2017, 4, 161016.	1.1	16
4	Nickel Nanocluster Loaded Black Titania for Photocatalytic Reduction of CO2 into Solar Fuels: Computational and Experimental Studies. ECS Meeting Abstracts, 2017, , .	0.0	0
5	Mesoporous SiO ₂ /carbon hollow spheres applied towards a high rate-performance Li-battery anode. Inorganic Chemistry Frontiers, 2016, 3, 1398-1405.	3.0	32
6	Beaded stream-like CoSe ₂ nanoneedle array for efficient hydrogen evolution electrocatalysis. Journal of Materials Chemistry A, 2016, 4, 4553-4561.	5.2	89
7	Cobalt Molybdenum Phosphide As a Non-Noble-Metal Catalyst for the Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2016, , .	0.0	0
8	Electrochemical Synthesis of Single Pt Atom Catalyst for Hydrogen Reactions. ECS Meeting Abstracts, 2016, , .	0.0	0
9	Tungsten Carbideâ€“Nitride on Graphene Nanoplatelets as a Durable Hydrogen Evolution Electrocatalyst. ChemSusChem, 2014, 7, 2414-2418.	3.6	101
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	Recent developments in transition metal carbides and nitrides as hydrogen evolution electrocatalysts. Chemical Communications, 2013, 49, 8896.	2.2	1,035
12	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
13	Biomass-derived electrocatalytic composites for hydrogen evolution. Energy and Environmental Science, 2013, 6, 1818.	15.6	343
14	Highly active and durable nanostructured molybdenum carbide electrocatalysts for hydrogen production. Energy and Environmental Science, 2013, 6, 943.	15.6	874
15	Continuous channels created by self-assembly of ionic cross-linked polysiloxaneâ€“Nafion nanocomposites. Polymer Chemistry, 2012, 3, 1991.	1.9	15
16	Highly stable Pt monolayer on PdAu nanoparticle electrocatalysts for the oxygen reduction reaction. Nature Communications, 2012, 3, 1115.	5.8	377
17	Hydrogenâ€“Evolution Catalysts Based on Nonâ€“Noble Metal Nickelâ€“Molybdenum Nitride Nanosheets. Angewandte Chemie - International Edition, 2012, 51, 6131-6135.	7.2	1,174
18	Sulfonated nanoplates in proton conducting membranes for fuel cells. RSC Advances, 2011, 1, 968.	1.7	10

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19	Platinum-monolayer electrocatalysts: Palladium interlayer on IrCo alloy core improves activity in oxygen-reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2010, 649, 232-237.	1.9	45
20	Inorganic-organic hybrid polymer electrolyte based on polysiloxane/poly(maleic imide-co-styrene) network. <i>Journal of Power Sources</i> , 2010, 195, 6434-6442.	4.0	8
21	Sea urchin-like mesoporous carbon material grown with carbon nanotubes as a cathode catalyst support for fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7983-7990.	4.0	20
22	Nanostructured Coral-like Carbon as Pt Support for Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6976-6982.	1.5	22
23	Multichelate-functionalized carbon nanospheres used for immobilizing Pt catalysts for fuel cells. <i>Journal of Power Sources</i> , 2009, 194, 234-242.	4.0	11
24	Poly(oxyalkylene)diamine-Functionalized Carbon Nanotube/Perfluorosulfonated Polymer Composites: Synthesis, Water State, and Conductivity. <i>Chemistry of Materials</i> , 2008, 20, 5756-5767.	3.2	104
25	Covalently Cross-Linked Perfluorosulfonated Membranes with Polysiloxane Framework. <i>Macromolecules</i> , 2007, 40, 1987-1994.	2.2	71
26	Stabilizing Effect of Pseudo-Dendritic Polyethylenimine on Platinum Nanoparticles Supported on Carbon. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3071-3077.	1.2	52
27	Enhanced Stabilization and Deposition of Pt Nanocrystals on Carbon by Dumbbell-like Polyethyleniminated Poly(oxypropylene)diamine. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9822-9830.	1.2	17
28	Microstructure and protonic conductivity of H ₃ PO ₄ -doped polyethylenimine-siloxane chemically covalently organic-inorganic hybrids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 2135-2144.	2.4	13
29	Proton transportation in an organic-inorganic hybrid polymer electrolyte based on a polysiloxane/poly(allylamine) network. <i>Journal of Polymer Science Part A</i> , 2005, 43, 3359-3367.	2.5	35
30	Self-Assembly of Gold Nanoparticles Induced by Poly(oxypropylene)diamines. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24288-24294.	1.2	37
31	Generation and Synthetic Uses of Stable 4-[2-Isopropylidene]-phenol Carbocation from Bisphenol A. <i>Organic Letters</i> , 2004, 6, 2341-2343.	2.4	38
32	Formation of Silver Nanoparticles under Structured Amino Groups in Pseudo-dendritic Poly(allylamine) Derivatives. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11267-11272.	1.2	85