

Chun-Han Hsu

List of Publications by Year in descending order

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51
papers

1,240
citations

393982

19
h-index

377514

34
g-index

53
all docs

53
docs citations

53
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	High Performance of Transferring Lithium Ion for Polyacrylonitrile-Interpenetrating Crosslinked Polyoxyethylene Network as Gel Polymer Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3156-3162.	4.0	132
2	Mesoporous carbon spheres grafted with carbon nanofibers for high-rate electric double layer capacitors. <i>Carbon</i> , 2011, 49, 895-903.	5.4	123
3	A new strategy for preparing oligomeric ionic liquid gel polymer electrolytes for high-performance and nonflammable lithium ion batteries. <i>Journal of Membrane Science</i> , 2016, 499, 462-469.	4.1	115
4	Aniline as a Dispersant and Stabilizer for the Preparation of Pt Nanoparticles Deposited on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7933-7939.	1.5	68
5	High thermal and electrochemical stability of PVDF-graft-PAN copolymer hybrid PEO membrane for safety reinforced lithium-ion battery. <i>RSC Advances</i> , 2016, 6, 18082-18088.	1.7	55
6	Stable Lithium Deposition Generated from Ceramic-Cross-Linked Gel Polymer Electrolytes for Lithium Anode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15216-15224.	4.0	51
7	Three-dimensional network of graphene grown with carbon nanotubes as carbon support for fuel cells. <i>Energy</i> , 2013, 53, 282-287.	4.5	49
8	Excellent performance of PtO on high nitrogen-containing carbon nanotubes using aniline as nitrogen/carbon source, dispersant and stabilizer. <i>Chemical Communications</i> , 2010, 46, 7628.	2.2	35
9	Stabilization of Embedded Pt Nanoparticles in the Novel Nanostructure Carbon Materials. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 115-118.	4.0	35
10	Vulcanized polymeric cathode material featuring a polyaniline skeleton for high-rate rechargeability and long-cycle stability lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018, 276, 111-117.	2.6	33
11	Mesoporous SiO ₂ /carbon hollow spheres applied towards a high rate-performance Li-battery anode. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1398-1405.	3.0	32
12	Hierarchical Micro/Mesoporous Carbons Synthesized with a ZnO Template and Petroleum Pitch via a Solvent-Free Process for a High-Performance Supercapacitor. <i>ACS Omega</i> , 2017, 2, 2106-2113.	1.6	31
13	The use of carbon nanotubes coated with a porous nitrogen-doped carbon layer with embedded Pt for the methanol oxidation reaction. <i>Journal of Power Sources</i> , 2012, 198, 83-89.	4.0	29
14	Benzylamine-Assisted Noncovalent Exfoliation of Graphite-Protecting Pt Nanoparticles Applied as Catalyst for Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2169-2172.	4.0	27
15	Ionic Conducting and Surface Active Binder of Poly (ethylene oxide)-block-poly(acrylonitrile) for High Power Lithium-ion Battery. <i>Electrochimica Acta</i> , 2016, 196, 41-47.	2.6	27
16	Synthesis of Carbon and Silica Hollow Spheres with Mesoporous Shells using Polyethylene Oxide/Phenol Formaldehyde Polymer Blend. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3798-3804.	1.0	24
17	Synthesis of Multiporous Carbons from the Water Caltrop Shell for High-Performance Supercapacitors. <i>ACS Omega</i> , 2020, 5, 10626-10632.	1.6	23
18	Nanostructured Coral-like Carbon as Pt Support for Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6976-6982.	1.5	22

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19	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
20	Rice husk agricultural waste-derived low ionic content carbon-silica nanocomposite for green reinforced epoxy resin electronic packaging material. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 78, 493-499.	2.7	20
21	Controllable Nitrogen Doped Carbon Layer Surrounding Carbon Nanotubes as Novel Carbon Support for Oxygen Reduction Reaction. <i>Fuel Cells</i> , 2012, 12, 649-655.	1.5	19
22	Nitrogen-doped mesoporous carbon hollow spheres as a novel carbon support for oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2014, 38, 5521-5526.	1.4	19
23	Synthesis of mesoporous Cu Fe/silicates catalyst for methanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14416-14423.	3.8	19
24	Preparation of Mesoporous Silica and Carbon Using Gelatin or Gelatin-Phenol-Formaldehyde Polymer Blend as Template. <i>Chemistry Letters</i> , 2007, 36, 1258-1259.	0.7	18
25	High thermal and electrochemical stability of a SiO ₂ nanoparticle hybrid polyether cross-linked membrane for safety reinforced lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 18089-18095.	1.7	17
26	Hollow Li ₂ FeSiO ₄ spheres as cathode and anode material for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1007-1012.	2.8	15
27	Effects of morphology and pore size of mesoporous silicas on the efficiency of an immobilized enzyme. <i>RSC Advances</i> , 2021, 11, 10010-10017.	1.7	15
28	Synthesis and regeneration of mesoporous Ni-Cu/Al ₂ O ₄ catalyst in sub-kilogram-scale for methanol steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37542-37551.	3.8	14
29	Carbon fibers as three-dimensional current collectors for silicon/reduced graphene oxide lithium ion battery anodes with improved rate performance and cycle life. <i>New Journal of Chemistry</i> , 2018, 42, 9058-9064.	1.4	13
30	High rate performance intensified by nanosized LiFePO ₄ combined with three-dimensional graphene networks. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	12
31	High-speed Lithium Ion Transfer inside Mesoporous Core-Shell LiFePO ₄ /Carbon Sphere Cathodes. <i>Energy Technology</i> , 2014, 2, 409-413.	1.8	12
32	Synthesis of porous carbon and silica spheres using PEO-PF polymer blends. <i>Journal of Porous Materials</i> , 2006, 13, 195-199.	1.3	11
33	Li ₂ FeSiO ₄ nanorod as high stability electrode for lithium-ion batteries. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	10
34	Rice Husk-derived Hierarchical Micro/Mesoporous Carbon-Silica Nanocomposite as Superior Filler for Green Electronic Packaging Material. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 427-433.	0.8	9
35	Green synthesis of porous Ni-silicate catalyst for hydrogen generation via ammonia decomposition. <i>International Journal of Energy Research</i> , 2020, 44, 9748-9756.	2.2	9
36	One-pot synthesis of sheet-like MFI as high-performance catalyst for toluene disproportionation. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3719-3728.	1.9	8

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37	Synthesis of High-Performance Photonic Crystal Film for SERS Applications via Drop-Coating Method. <i>Coatings</i> , 2020, 10, 679.	1.2	8
38	Template-free synthesis of mesoporous Mn ₃ O ₄ -Al ₂ O ₃ catalyst for low temperature selective catalytic reduction of NO with NH ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 627-633.	2.7	7
39	Fabrication and Characterization of Nylon 66/PAN Nanofibrous Film Used as Separator of Lithium-Ion Battery. <i>Polymers</i> , 2021, 13, 1984.	2.0	7
40	Synthesis of mesoporous silicas with different pore sizes using PEO polymers via hydrothermal treatment: A direct template for mesoporous carbon. <i>Materials Chemistry and Physics</i> , 2006, 100, 112-116.	2.0	6
41	Electrochemical fabrication and evaluation of a self-standing carbon nanotube/carbon fiber composite electrode for lithium-ion batteries. <i>RSC Advances</i> , 2019, 9, 33117-33123.	1.7	6
42	Green and Highly-Efficient Microwave Synthesis Route for Sulfur/Carbon Composite for Li-S Battery. <i>International Journal of Molecular Sciences</i> , 2022, 23, 39.	1.8	6
43	Iridescent Colloidal Crystals Composed of SiO ₂ Porous Hollow Sphere for SERS Application. <i>Langmuir</i> , 2022, 38, 6217-6223.	1.6	6
44	Interconnected Microporous and Mesoporous Carbon Derived from Pitch for Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4462-4472.	3.2	5
45	Biodegradable Gelatin as Template for the Preparation of Mesoporous Alumina. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 424-429.	0.8	4
46	Synthesis of mesoporous silica and mesoporous carbon using gelatin as organic template. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 385-388.	1.5	3
47	Synthesis of mesoporous carbon platelets of high surface area and large porosity from polymer blends-calcium phosphate nanocomposites for high-power supercapacitor. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 462-468.	0.8	3
48	The intensively enhanced conductivity of polyelectrolytes by amphiphilic compound doping. <i>Polymer Chemistry</i> , 2015, 6, 2717-2725.	1.9	2
49	Enhanced Thermal Stability in SiO ₂ /Carbon Filler Derived from Rice Husk via Microwave Treatment for Electronic Packaging Application. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 1035-1040.	0.8	2
50	Synthesis of Mesoporous Cu-Ni/Al ₂ O ₄ Catalyst for Hydrogen Production via Hydrothermal Reconstruction Route. <i>Catalysts</i> , 2022, 12, 32.	1.6	2
51	Green synthesis of nitrogen-doped multiporous carbons for oxygen reduction reaction using water-caltrop shells and eggshell waste. <i>RSC Advances</i> , 2021, 11, 15738-15747.	1.7	1