

Hao Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/947024/publications.pdf>

Version: 2024-02-01

64
papers

2,407
citations

279798

23
h-index

206112

48
g-index

65
all docs

65
docs citations

65
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
19	Progressive lithiation of FeP ₂ nanoparticles constrained inside the carbon shell. <i>Materials Today Energy</i> , 2020, 18, 100545.	4.7	7
20	Ionic Liquid-Assisted Anchoring SnO ₂ Nanoparticles on Carbon Nanotubes as Highly Cyclable Anode of Lithium Ion Batteries. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901916.	3.7	17
21	High capacitive sodium-ion storage in N, P co-doped carbon supported on carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 870, 114200.	3.8	10
22	In-built durable Li-S counterparts from Li-TiS ₂ batteries. <i>Materials Today Energy</i> , 2020, 17, 100439.	4.7	8
23	A Novel Strategy of In Situ Trimerization of Cyano Groups Between the Ti ₃ C ₂ T _x (MXene) Interlayers for High-Energy and High-Power Sodium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020, 12, 135.	27.0	49
24	Lithium-ion storage in molybdenum phosphides with different crystal structures. <i>Dalton Transactions</i> , 2020, 49, 2225-2233.	3.3	12
25	Rich nitrogen-doped carbon on carbon nanotubes for high-performance sodium-ion supercapacitors. <i>Journal of Power Sources</i> , 2020, 459, 228104.	7.8	23
26	SnS ₂ and SnS/SnS ₂ heterojunction nanosheets prepared by in-situ one-step sulfurization and visible light-assisted electrochemical water splitting properties. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155174.	5.5	23
27	S-O bond chemically constrained NiS ₂ /rGO nanocomposite with enhanced Na-ion storage capacity. <i>Chinese Chemical Letters</i> , 2020, 31, 2353-2357.	9.0	12
28	Intrinsic factors affecting the catalytic activity of doped TiC as potential cathode in Li-O ₂ batteries. <i>Applied Surface Science</i> , 2019, 494, 983-988.	6.1	10
29	Effective carbon constraint of MnS nanoparticles as high-performance anode of lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 437, 226931.	7.8	49
30	Effect of oxidizing treatment on electrocatalytic activity of boron-doped amorphous carbon thin films. <i>Carbon Letters</i> , 2019, 29, 487-495.	5.9	4
31	Theoretical Prediction of Catalytic Activity of Ti ₂ C MXene as Cathode for Li-O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17466-17471.	3.1	53
32	Mn ₃ O ₄ nanoparticles encapsulated in carbon cages as the electrode of dual-mechanism supercapacitors. <i>Materials Today Chemistry</i> , 2019, 12, 361-372.	3.5	20
33	Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells. <i>RSC Advances</i> , 2019, 9, 2803-2811.	3.6	5
34	Characterization and Formation Mechanism of the Nanodiamond Synthesized by A High Energy Arc-Plasma. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800704.	1.8	2
35	Uniformly Grafting SnO ₂ Nanoparticles on Ionic Liquid Reduced Graphene Oxide Sheets for High Lithium Storage. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701685.	3.7	16
36	Spray granulation of Fe and C nanoparticles and their impedance match for microwave absorption. <i>Journal of Materials Science and Technology</i> , 2018, 34, 496-502.	10.7	26

#	ARTICLE	IF	CITATIONS
37	First-principles study of rocksalt early transition-metal carbides as potential catalysts for Li ⁺ O ₂ batteries. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30231-30238.	2.8	9
38	Self-assembly of an oligo(<i>p</i> -phenylenevinylene)-based molecule on an HOPG surface: insights from multi-scale simulation and STM observation. <i>RSC Advances</i> , 2018, 8, 31868-31873.	3.6	3
39	A Novel Method of Synthesizing Boron-doped Carbon Catalysts. <i>Fuel Cells</i> , 2018, 18, 681-687.	2.4	9
40	Oxygen Evolution Reaction on Pristine and Oxidized TiC (100) Surface in Li ⁺ O ₂ Battery. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12665-12672.	3.1	27
41	Inverse Capacity Growth and Pocket Effect in SnS ₂ Semifilled Carbon Nanotube Anode. <i>ACS Nano</i> , 2018, 12, 8037-8047.	14.6	90
42	Intrinsic Properties Affecting the Catalytic Activity of 3d Transition-Metal Carbides in Li ⁺ O ₂ Battery. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17812-17819.	3.1	23
43	Nanostructured Sn-M (M=Cu, Mg and Fe) intermetallic alloys and their electrochemical activity as anode electrodes in a Li-ion battery. <i>Journal of Alloys and Compounds</i> , 2017, 706, 401-408.	5.5	21
44	Fe ₃ N constrained inside C nanocages as an anode for Li-ion batteries through post-synthesis nitridation. <i>Nano Energy</i> , 2017, 31, 74-83.	16.0	167
45	Synthesis and electrochemical activities of TiC/C core-shell nanocrystals. <i>Journal of Alloys and Compounds</i> , 2017, 693, 500-509.	5.5	25
46	Formation of Sn-M (M=Fe, Al, Ni) alloy nanoparticles by DC arc-discharge and their electrochemical properties as anodes for Li-ion batteries. <i>Journal of Solid State Chemistry</i> , 2016, 242, 127-135.	2.9	11
47	Formation mechanism and optical characterization of polymorphic silicon nanostructures by DC arc-discharge. <i>RSC Advances</i> , 2015, 5, 68714-68721.	3.6	28
48	Characterization and Electrical Conductivity of Carbon-Coated Metallic (Ni, Cu, Sn) Nanocapsules. <i>Applied Microscopy</i> , 2015, 45, 236-241.	1.4	1
49	Synthesis and electrochemical properties of silicon nanosheets by DC arc discharge for lithium-ion batteries. <i>Nanoscale</i> , 2014, 6, 6860-6865.	5.6	82
50	Enhanced Electrochemical Stability of Sn-Carbon Nanotube Nanocapsules as Lithium-Ion Battery Anode. <i>Electrochimica Acta</i> , 2014, 144, 376-382.	5.2	100
51	Preparation and Electrochemical properties of Fe-Sn (C) Nanocomposites as Anode for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2014, 129, 93-99.	5.2	53
52	Electrochemical hydrogen storage of the graphene sheets prepared by DC arc-discharge method. <i>Surface and Coatings Technology</i> , 2013, 228, S120-S125.	4.8	58
53	Manipulated electromagnetic losses by integrating chemically heterogeneous components in Fe-based core/shell architecture. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	9
54	Catalytically active single-atom niobium in graphitic layers. <i>Nature Communications</i> , 2013, 4, 1924.	12.8	261

#	ARTICLE	IF	CITATIONS
55	A study on fiber-reinforced elastomer with a biphasic loading behavior. <i>Science and Engineering of Composite Materials</i> , 2012, 19, 339-345.	1.4	0
56	Catalytic pyrogenation synthesis of C/Ni composite nanoparticles: controllable carbon structures and high permittivities. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 105403.	2.8	25
57	Synthesis and thermodynamic evaluation of intermetallic Mg-Ni/Mg-Cu nanoscale powders. <i>Journal of Materials Research</i> , 2009, 24, 2503-2510.	2.6	3
58	Low-Temperature Nitridation of Fe Nanoparticles Precursor. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7383-7.	0.9	4
59	Enhanced microwave absorption in Ni/polyaniline nanocomposites by dual dielectric relaxations. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	301
60	Influence of alloy components on electromagnetic characteristics of core/shell-type Fe@Ni nanoparticles. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	146
61	Formation and characterization of intermetallic Fe@Sn nanoparticles synthesized by an arc discharge method. <i>Intermetallics</i> , 2007, 15, 1589-1594.	3.9	32
62	High permittivity from defective carbon-coated Cu nanocapsules. <i>Nanotechnology</i> , 2007, 18, 275701.	2.6	63
63	Synthesis, growth mechanism and magnetic properties of SiO ₂ -coated Co nanocapsules. <i>Acta Materialia</i> , 2007, 55, 3727-3733.	7.9	28
64	Microstructure and microwave absorption properties of carbon-coated iron nanocapsules. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5383-5387.	2.8	318