

Mingjin Cui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3059459/publications.pdf>

Version: 2024-02-01

66
papers

3,323
citations

147726

31
h-index

143943

57
g-index

67
all docs

67
docs citations

67
times ranked

4589
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable High-Performance Supercapacitors Based on Silver-Sputtered Textiles with FeCo ₂ S ₄ -NiCo ₂ S ₄ Composite Nanotube-Built Multitripod Architectures as Advanced Flexible Electrodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601234.	10.2	293
2	General Controlled Sulfidation toward Achieving Novel Nanosheet-Built Porous Square-FeCo ₂ S ₄ -Tube Arrays for High-Performance Asymmetric All-Solid-State Pseudocapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1601985.	10.2	226
3	High-Entropy Metal Sulfide Nanoparticles Promise High-Performance Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2002887.	10.2	226
4	Controllable incorporation of Ag and Ag-Au nanoparticles in carbon spheres for tunable optical and catalytic properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 5436.	6.7	169
5	Hierarchical Multicomponent Electrode with Interlaced Ni(OH) ₂ Nanoflakes Wrapped Zinc Cobalt Sulfide Nanotube Arrays for Sustainable High-Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1701228.	10.2	162
6	Rich-Mixed-Valence Ni _x Co _{3x} P _y Porous Nanowires Interwelded Junction-Free 3D Network Architectures for Ultrahigh Areal Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1804620.	7.8	122
7	Hierarchically porous hexagonal microsheets constructed by well-interwoven MCo ₂ S ₄ (M = Ni, Fe.) Tj ETQq1 1 0.784314 rgBT /Overlock supercapacitors. <i>Nano Energy</i> , 2018, 45, 439-447.	8.2	112
8	Overcoming immiscibility toward bimetallic catalyst library. <i>Science Advances</i> , 2020, 6, eaaz6844.	4.7	105
9	Hierarchically MnO ₂ -Nanosheet Covered Submicrometer-FeCo ₂ O ₄ -Tube Forest as Binder-Free Electrodes for High Energy Density All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4762-4770.	4.0	104
10	Overview of transition metal-based composite materials for supercapacitor electrodes. <i>Nanoscale Advances</i> , 2020, 2, 5516-5528.	2.2	96
11	Continuous Synthesis of Hollow High-Entropy Nanoparticles for Energy and Catalysis Applications. <i>Advanced Materials</i> , 2020, 32, e2002853.	11.1	93
12	Hierarchically Porous MnO ₂ Microspheres Doped with Homogeneously Distributed Fe ₃ O ₄ Nanoparticles for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17637-17646.	4.0	89
13	In Situ Lignin Modification toward Photonic Wood. <i>Advanced Materials</i> , 2021, 33, e2001588.	11.1	86
14	The Missing Memristor has Not been Found. <i>Scientific Reports</i> , 2015, 5, 11657.	1.6	84
15	High-Performance Flexible Solid-State Carbon Cloth Supercapacitors Based on Highly Processible N-Graphene Doped Polyacrylic Acid/Polyaniline Composites. <i>Scientific Reports</i> , 2016, 6, 12883.	1.6	81
16	Strong, Hydrostable, and Degradable Straws Based on Cellulose-Lignin Reinforced Composites. <i>Small</i> , 2021, 17, e2008011.	5.2	81
17	Super-hydrophobic multilayer coatings with layer number tuned swapping in surface wettability and redox catalytic anti-corrosion application. <i>Scientific Reports</i> , 2017, 7, 4403.	1.6	72
18	Versatile synthesis of high surface area multi-metallic nanosponges allowing control over nanostructure and alloying for catalysis and SERS detection. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3648-3660.	5.2	70

#	ARTICLE	IF	CITATIONS
19	A high energy density asymmetric all-solid-state supercapacitor based on cobalt carbonate hydroxide nanowire covered N-doped graphene and porous graphene electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18505-18513.	5.2	68
20	Correlation between band gap, dielectric constant, Young's modulus and melting temperature of GaN nanocrystals and their size and shape dependences. <i>Scientific Reports</i> , 2015, 5, 16939.	1.6	51
21	Highly Efficient Water Treatment via a Wood-Based and Reusable Filter. , 2020, 2, 430-437.		50
22	Multi-principal elemental intermetallic nanoparticles synthesized via a disorder-to-order transition. <i>Science Advances</i> , 2022, 8, eabm4322.	4.7	49
23	Phase Diagram of Continuous Binary Nanoalloys: Size, Shape, and Segregation Effects. <i>Scientific Reports</i> , 2017, 7, 41990.	1.6	44
24	Rapid Synthesis of High-Entropy Oxide Microparticles. <i>Small</i> , 2022, 18, e2104761.	5.2	41
25	Hierarchical Polyelemental Nanoparticles as Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions. <i>Advanced Energy Materials</i> , 2020, 10, 2001119.	10.2	39
26	Conduction behavior change responsible for the resistive switching as investigated by complex impedance spectroscopy. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	38
27	Monolayer standing MnO ₂ -Nanosheet covered Mn ₃ O ₄ octahedrons anchored in 3D N-Doped graphene networks as supercapacitor electrodes with remarkable cycling stability. <i>Journal of Power Sources</i> , 2018, 396, 483-490.	4.0	38
28	Effects of hydrothermal temperature on formation and decoloration characteristics of anatase TiO ₂ nanoparticles. <i>Science China Technological Sciences</i> , 2012, 55, 894-902.	2.0	37
29	Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates. <i>ChemSusChem</i> , 2017, 10, 2301-2308.	3.6	37
30	A lotus-inspired 3D biomimetic design toward an advanced solar steam evaporator with ultrahigh efficiency and remarkable stability. <i>Materials Horizons</i> , 2022, 9, 1232-1242.	6.4	36
31	Synthesis of nanorods and nanowires using biomolecules under conventional- and microwave-hydrothermal conditions. <i>Journal of Materials Science</i> , 2008, 43, 2377-2386.	1.7	34
32	Iron oxides nanobelt arrays rooted in nanoporous surface of carbon tube textile as stretchable and robust electrodes for flexible supercapacitors with ultrahigh areal energy density and remarkable cycling-stability. <i>Scientific Reports</i> , 2020, 10, 11023.	1.6	32
33	Rapid, High-Temperature, In Situ Microwave Synthesis of Bulk Nanocatalysts. <i>Small</i> , 2019, 15, e1904881.	5.2	28
34	High-Temperature Pulse Method for Nanoparticle Redispersion. <i>Journal of the American Chemical Society</i> , 2020, 142, 17364-17371.	6.6	28
35	Asymmetric hybrid capacitors based on novel bearded carbon fiber cloth "pinhole polyaniline electrodes with excellent energy density. <i>RSC Advances</i> , 2016, 6, 82995-83002.	1.7	27
36	3D nitrogen-doped graphene/Co(OH) ₂ -nanoplate composites for high-performance electrochemical pseudocapacitors. <i>RSC Advances</i> , 2014, 4, 61753-61758.	1.7	26

#	ARTICLE	IF	CITATIONS
37	A Self-Folding Dynamic Covalent Shape Memory Epoxy and Its Continuous Glass Fiber Composite. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5276-5281.	1.8	26
38	Effects of the substitution of Pb for Ba in (Ba,Sr)TiO ₃ films on the temperature stability of the tunable properties. <i>Applied Physics Letters</i> , 2006, 88, 182909.	1.5	24
39	Facile and rapid synthesis of nickel nanowires and their magnetic properties. <i>Journal of Nanoparticle Research</i> , 2011, 13, 7085-7094.	0.8	24
40	The synthesis of graphene oxide nanostructures for supercapacitors: a simple route. <i>Journal of Materials Science</i> , 2014, 49, 2802-2809.	1.7	21
41	Scalable Synthesis of Ag Networks with Optimized Sub-monolayer Au-Pd Nanoparticle Covering for Highly Enhanced SERS Detection and Catalysis. <i>Scientific Reports</i> , 2016, 6, 37092.	1.6	19
42	Diameter-controlled synthesis of polycrystalline nickel nanowires and their size dependent magnetic properties. <i>CrystEngComm</i> , 2012, 14, 7209.	1.3	18
43	Large-scale fabrication of porous bulk silver thin sheets with tunable porosity for high-performance binder-free supercapacitor electrodes. <i>RSC Advances</i> , 2015, 5, 45194-45200.	1.7	18
44	Cauliflower-like Ni/NiO and NiO architectures transformed from nickel alkoxide and their excellent removal of Congo red and Cr(VI) ions from water. <i>RSC Advances</i> , 2016, 6, 103585-103593.	1.7	18
45	Different mechanical response of TiNi film induced by the shape of indenter during nanoindentation. <i>Sensors and Actuators A: Physical</i> , 2014, 217, 75-80.	2.0	16
46	Nanophase diagram of binary eutectic Au-Ge nanoalloys for vapor-liquid-solid semiconductor nanowires growth. <i>Scientific Reports</i> , 2015, 5, 11263.	1.6	16
47	Scalable Carbon Black Enhanced Nanofiber Network Films for High-Efficiency Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101160.	1.9	14
48	SEM & In Situ Study on Deformation Behavior of Cu and Cu/Ni Films under Three-Point Bending. <i>Materials Transactions</i> , 2007, 48, 2795-2798.	0.4	13
49	Synthesis of Epoxy Resin Based on Biphenyl Structure for Application in Carbon Fiber-Reinforced Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 581-585.	1.9	13
50	MnO ₂ -Au Composite Electrodes for Supercapacitors. <i>Chemistry Letters</i> , 2014, 43, 122-124.	0.7	13
51	Rapid Atomic Ordering Transformation toward Intermetallic Nanoparticles. <i>Nano Letters</i> , 2022, 22, 255-262.	4.5	12
52	Studies of two distinct types of (Ba,Sr)TiO ₃ -Pt interfaces. <i>Applied Physics Letters</i> , 2008, 92, 102906.	1.5	11
53	Highly processible and electrochemically active graphene-doped polyacrylic acid/polyaniline allowing the preparation of defect-free thin films for solid-state supercapacitors. <i>RSC Advances</i> , 2015, 5, 62670-62677.	1.7	9
54	An estimation method on failure stress of micro thickness Cu film-substrate structure. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2210-2215.	0.9	8

#	ARTICLE	IF	CITATIONS
55	Bubble-assisted growth of hollow palladium nanospheres with structure control allowing very thin shells for highly enhanced catalysis. <i>RSC Advances</i> , 2014, 4, 13729-13732.	1.7	8
56	Achieving Rich Mixed-Valence Polysulfide/Carbon Nanotube Films toward Ultrahigh Volume Energy Density and Largely Deformable Pseudocapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25271-25282.	4.0	7
57	Core-shell magnetic exchange model for Co ₃ O ₄ nanowires. <i>Applied Physics Letters</i> , 2013, 102, 203102.	1.5	5
58	Comment on "Electrum, the Gold-Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules". <i>ACS Nano</i> , 2016, 10, 10618-10619.	7.3	5
59	In-situ polymerized nanosilica/acrylic/epoxy hybrid coating: Preparation, microstructure and properties. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2204-2209.	0.9	4
60	Fabrication of Ni/SiC composite powder by mechanical alloying and its effects on properties of copper matrix composites. <i>International Journal of Materials Research</i> , 2017, 108, 213-221.	0.1	3
61	Controllable synthesis of metal particles by a direct current electrochemical approach. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 2709-2714.	0.9	2
62	Characterization of the Microstructure of Three-Dimensional Needled Carbon/Silicon Carbide Composites. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 821-829.	1.1	2
63	First-principles calculations of the BeO monolayer with chemical functionalization. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7797-7804.	1.3	2
64	Reply to Comment on "Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates". <i>ChemSusChem</i> , 2017, 10, 2312-2315.	3.6	0
65	Supercapacitors: General Controlled Sulfidation toward Achieving Novel Nanosheet-Built Porous Square-FeCo ₂ S ₄ -Tube Arrays for High-Performance Asymmetric All-Solid-State Pseudocapacitors (<i>Adv. Energy Mater.</i> 6/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	0
66	Two-Stage Tunneling-Dominated Electrodeposition for Large-Scale Production of Ultralong Wavy Metal Microstructures on Native Oxide Layer-Passivated Si Electrode with Specific Surface Configuration. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16326-16331.	1.5	0