

Mingjin Cui

List of Publications by Year in descending order

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66

papers

3,323

citations

147801

31

h-index

144013

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.	19.5	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.	19.5	226
3	High-Entropy Metal Sulfide Nanoparticles Promise High-Performance Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2002887.	19.5	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.	19.5	162
6	Rich-Mixed-Valence Ni _x Co _{3-x} P _y Porous Nanowires Interwelded Junction-Free 3D Network Architectures for Ultrahigh Areal Energy Density Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1804620.	14.9	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.	16.0	112
8	Overcoming immiscibility toward bimetallic catalyst library. <i>Science Advances</i> , 2020, 6, eaaz6844.	10.3	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.	8.0	104
10	Overview of transition metal-based composite materials for supercapacitor electrodes. <i>Nanoscale Advances</i> , 2020, 2, 5516-5528.	4.6	96
11	Continuous Synthesis of Hollow High-Entropy Nanoparticles for Energy and Catalysis Applications. <i>Advanced Materials</i> , 2020, 32, e2002853.	21.0	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.	8.0	89
13	In Situ Lignin Modification toward Photonic Wood. <i>Advanced Materials</i> , 2021, 33, e2001588.	21.0	86
14	The Missing Memristor has Not been Found. <i>Scientific Reports</i> , 2015, 5, 11657.	3.3	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.	3.3	81
16	Strong, Hydrostable, and Degradable Straws Based on Cellulose–Lignin Reinforced Composites. <i>Small</i> , 2021, 17, e2008011.	10.0	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.	3.3	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.	10.3	70

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19	A high energy density asymmetric all-solid-state supercapacitor based on cobalt carbonate hydroxide nanowire covered N-doped graphene and porous graphene electrodes. Journal of Materials Chemistry A, 2015, 3, 18505-18513.	10.3	68
20	Correlation between band gap, dielectric constant, Young's modulus and melting temperature of GaN nanocrystals and their size and shape dependences. Scientific Reports, 2015, 5, 16939.	3.3	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. Science Advances, 2022, 8, eabm4322.	10.3	49
23	Phase Diagram of Continuous Binary Nanoalloys: Size, Shape, and Segregation Effects. Scientific Reports, 2017, 7, 41990.	3.3	44
24	Rapid Synthesis of High-Entropy Oxide Microparticles. Small, 2022, 18, e2104761.	10.0	41
25	Hierarchical Polyelemental Nanoparticles as Bifunctional Catalysts for Oxygen Evolution and Reduction Reactions. Advanced Energy Materials, 2020, 10, 2001119.	19.5	39
26	Conduction behavior change responsible for the resistive switching as investigated by complex impedance spectroscopy. Applied Physics Letters, 2007, 91, .	3.3	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. Journal of Power Sources, 2018, 396, 483-490.	7.8	38
28	Effects of hydrothermal temperature on formation and decoloration characteristics of anatase TiO ₂ nanoparticles. Science China Technological Sciences, 2012, 55, 894-902.	4.0	37
29	Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates. ChemSusChem, 2017, 10, 2301-2308.	6.8	37
30	A lotus-inspired 3D biomimetic design toward an advanced solar steam evaporator with ultrahigh efficiency and remarkable stability. Materials Horizons, 2022, 9, 1232-1242.	12.2	36
31	Synthesis of nanorods and nanowires using biomolecules under conventional- and microwave-hydrothermal conditions. Journal of Materials Science, 2008, 43, 2377-2386.	3.7	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. Scientific Reports, 2020, 10, 11023.	3.3	32
33	Rapid, High-Temperature, In Situ Microwave Synthesis of Bulk Nanocatalysts. Small, 2019, 15, e1904881.	10.0	28
34	High-Temperature Pulse Method for Nanoparticle Redispersion. Journal of the American Chemical Society, 2020, 142, 17364-17371.	13.7	28
35	Asymmetric hybrid capacitors based on novel bearded carbon fiber cloth-pinhole polyaniline electrodes with excellent energy density. RSC Advances, 2016, 6, 82995-83002.	3.6	27
36	3D nitrogen-doped graphene/Co(OH) ₂ -nanoplate composites for high-performance electrochemical pseudocapacitors. RSC Advances, 2014, 4, 61753-61758.	3.6	26

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37	A Self-Folding Dynamic Covalent Shape Memory Epoxy and Its Continuous Glass Fiber Composite. Industrial & Engineering Chemistry Research, 2018, 57, 5276-5281.	3.7	26
38	Effects of the substitution of Pb for Ba in (Ba,Sr)TiO ₃ films on the temperature stability of the tunable properties. Applied Physics Letters, 2006, 88, 182909.	3.3	24
39	Facile and rapid synthesis of nickel nanowires and their magnetic properties. Journal of Nanoparticle Research, 2011, 13, 7085-7094.	1.9	24
40	The synthesis of graphene oxide nanostructures for supercapacitors: a simple route. Journal of Materials Science, 2014, 49, 2802-2809.	3.7	21
41	Scalable Synthesis of Ag Networks with Optimized Sub-monolayer Au-Pd Nanoparticle Covering for Highly Enhanced SERS Detection and Catalysis. Scientific Reports, 2016, 6, 37092.	3.3	19
42	Diameter-controlled synthesis of polycrystalline nickel nanowires and their size dependent magnetic properties. CrystEngComm, 2012, 14, 7209.	2.6	18
43	Large-scale fabrication of porous bulk silver thin sheets with tunable porosity for high-performance binder-free supercapacitor electrodes. RSC Advances, 2015, 5, 45194-45200.	3.6	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. RSC Advances, 2016, 6, 103585-103593.	3.6	18
45	Different mechanical response of TiNi film induced by the shape of indenter during nanoindentation. Sensors and Actuators A: Physical, 2014, 217, 75-80.	4.1	16
46	Nanophase diagram of binary eutectic Au-Ge nanoalloys for vapor-liquid-solid semiconductor nanowires growth. Scientific Reports, 2015, 5, 11263.	3.3	16
47	Scalable Carbon Black Enhanced Nanofiber Network Films for High-Efficiency Solar Steam Generation. Advanced Materials Interfaces, 2021, 8, 2101160.	3.7	14
48	SEM & In Situ Study on Deformation Behavior of Cu and Cu/Ni Films under Three-Point Bending. Materials Transactions, 2007, 48, 2795-2798.	1.2	13
49	Synthesis of Epoxy Resin Based on Biphenyl Structure for Application in Carbon Fiber-Reinforced Composites. Polymer-Plastics Technology and Engineering, 2013, 52, 581-585.	1.9	13
50	MnO ₂ @Au Composite Electrodes for Supercapacitors. Chemistry Letters, 2014, 43, 122-124.	1.3	13
51	Rapid Atomic Ordering Transformation toward Intermetallic Nanoparticles. Nano Letters, 2022, 22, 255-262.	9.1	12
52	Studies of two distinct types of (Ba,Sr)TiO ₃ /Pt interfaces. Applied Physics Letters, 2008, 92, 102906.	3.3	11
53	Highly processible and electrochemically active graphene-doped polyacrylic acid/polyaniline allowing the preparation of defect-free thin films for solid-state supercapacitors. RSC Advances, 2015, 5, 62670-62677.	3.6	9
54	An estimation method on failure stress of micro thickness Cu film-substrate structure. Science in China Series D: Earth Sciences, 2009, 52, 2210-2215.	0.9	8

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55	Bubble-assisted growth of hollow palladium nanospheres with structure control allowing very thin shells for highly enhanced catalysis. RSC Advances, 2014, 4, 13729-13732.	3.6	8
56	Achieving Rich Mixed-Valence Polysulfide/Carbon Nanotube Films toward Ultrahigh Volume Energy Density and Largely Deformable Pseudocapacitors. ACS Applied Materials & Interfaces, 2019, 11, 25271-25282.	8.0	7
57	Core-shell magnetic exchange model for Co ₃ O ₄ nanowires. Applied Physics Letters, 2013, 102, 203102.	3.3	5
58	Comment on “Electrum, the Gold–Silver Alloy, from the Bulk Scale to the Nanoscale: Synthesis, Properties, and Segregation Rules”. ACS Nano, 2016, 10, 10618-10619.	14.6	5
59	In-situ polymerized nanosilica/acrylic/epoxy hybrid coating: Preparation, microstructure and properties. Science in China Series D: Earth Sciences, 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. International Journal of Materials Research, 2017, 108, 213-221.	0.3	3
61	Controllable synthesis of metal particles by a direct current electrochemical approach. Science in China Series D: Earth Sciences, 2009, 52, 2709-2714.	0.9	2
62	Characterization of the Microstructure of Three-Dimensional Needled Carbon/Silicon Carbide Composites. International Journal of Applied Ceramic Technology, 2010, 7, 821-829.	2.1	2
63	First-principles calculations of the BeO monolayer with chemical functionalization. Physical Chemistry Chemical Physics, 2022, 24, 7797-7804.	2.8	2
64	Reply to Comment on “Flexible Asymmetric Supercapacitors Based on Nitrogen-Doped Graphene Hydrogels with Embedded Nickel Hydroxide Nanoplates”. ChemSusChem, 2017, 10, 2312-2315.	6.8	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 (Adv. Energy Mater. 6/2017). Advanced Energy Materials, 2017, 7, .	19.5	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. Journal of Physical Chemistry C, 2019, 123, 16326-16331.	3.1	0