

Jun Chen

List of Publications by Year in descending order

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216
papers

23,572
citations

10389

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218
all docs

218
docs citations

218
times ranked

27811
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructuring Electrode Surfaces and Hydrogels for Enhanced Thermocapacitance. ACS Applied Nano Materials, 2022, 5, 438-445.	5.0	4
2	Electrocatalytic reduction of nitrate – a step towards a sustainable nitrogen cycle. Chemical Society Reviews, 2022, 51, 2710-2758.	38.1	323
3	Electrocatalyst Derived from NiCu–MOF Arrays on Graphene Oxide Modified Carbon Cloth for Water Splitting. Inorganics, 2022, 10, 53.	2.7	8
4	Enhanced wireless cell stimulation using soft and improved bipolar electroactive conducting polymer templates. Applied Materials Today, 2022, 27, 101481.	4.3	4
5	Effect of Doping Different Cu Valence States in HfO ₂ on Resistive Switching Properties of RRAM. Inorganics, 2022, 10, 85.	2.7	3
6	Free-standing sulfonated graphene-polypyrrole-polyethylene glycol foam for highly flexible supercapacitors. Polymer, 2022, 255, 125168.	3.8	4
7	The significance of supporting electrolyte on poly (vinyl alcohol)–iron(II)/iron(III) solid-state electrolytes for wearable thermo-electrochemical cells. Electrochemistry Communications, 2021, 124, 106938.	4.7	30
8	Unzipping chemical bonds of non-layered bulk structures to form ultrathin nanocrystals. Matter, 2021, 4, 955-968.	10.0	10
9	Available Active Sites on Fe ₃ N Nanoparticles Synthesized by a Facile Route for Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100070.	3.7	12
10	Potentially Wearable Thermo–Electrochemical Cells for Body Heat Harvesting: From Mechanism, Materials, Strategies to Applications. Advanced Science, 2021, 8, 2100669.	11.2	50
11	Tailoring lattice strain in ultra-fine high-entropy alloys for active and stable methanol oxidation. Science China Materials, 2021, 64, 2454-2466.	6.3	43
12	The Synergistic Effect of Heteroatom Doping and Vacancy on The Reduction of CO ₂ by Photocatalysts. ChemNanoMat, 2021, 7, 894-901.	2.8	6
13	Efficient photoelectrochemical sensor of Cu ²⁺ based on ZnO-graphene nanocomposite sensitized with hexagonal CdS by calcination method. Journal of Electroanalytical Chemistry, 2021, 893, 115330.	3.8	9
14	Thermogalvanic and Thermocapacitive Behavior of Superabsorbent Hydrogels for Combined Low-Temperature Thermal Energy Conversion and Harvesting. ACS Applied Energy Materials, 2021, 4, 11204-11214.	5.1	21
15	Activation of urchin-like Ni-doped W ₁₈ O ₄₉ /NF by electrochemical tuning for efficient water splitting. Journal of Energy Chemistry, 2021, 63, 642-650.	12.9	11
16	Wireless bipolar electrode-based textile electrofluidics: towards novel micro-total-analysis systems. Lab on A Chip, 2021, 21, 3979-3990.	6.0	10
17	Achieving High-Performance Metal Phosphide Anode for Potassium Ion Batteries via Concentrated Electrolyte Chemistry. Advanced Energy Materials, 2021, 11, 2003346.	19.5	62
18	Deciphering the alternating synergy between interlayer Pt single-atom and NiFe layered double hydroxide for overall water splitting. Energy and Environmental Science, 2021, 14, 6428-6440.	30.8	164

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19	All-polymer wearable thermoelectrochemical cells harvesting body heat. <i>IScience</i> , 2021, 24, 103466.	4.1	8
20	Uniform Polypyrrole Layer-Coated Sulfur/Graphene Aerogel via the Vapor-Phase Deposition Technique as the Cathode Material for Li ⁺ S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5958-5967.	8.0	29
21	Bipolar electroactive conducting polymers for wireless cell stimulation. <i>Applied Materials Today</i> , 2020, 21, 100804.	4.3	16
22	Data on the bipolar electroactive conducting polymers for wireless cell stimulation. <i>Data in Brief</i> , 2020, 33, 106406.	1.0	10
23	Advanced Wearable Thermocells for Body Heat Harvesting. <i>Advanced Energy Materials</i> , 2020, 10, 2002539.	19.5	97
24	Highly flexible reduced graphene oxide@polypyrrole-polyethylene glycol foam for supercapacitors. <i>RSC Advances</i> , 2020, 10, 29090-29099.	3.6	10
25	Hexagonal Boron Nitride as a Multifunctional Support for Engineering Efficient Electrocatalysts toward the Oxygen Reduction Reaction. <i>Nano Letters</i> , 2020, 20, 6807-6814.	9.1	82
26	Wearable Corneal Biosensors Fabricated from PEDOT Functionalized Sulfur-Doped Graphene for Use in the Early Detection of Myopia. <i>Advanced Materials Technologies</i> , 2020, 5, 2000682.	5.8	15
27	Heterostructured Mo ₂ C@MoO ₂ as highly efficient catalyst for rechargeable Li-O ₂ battery. <i>Journal of Power Sources</i> , 2020, 470, 228317.	7.8	23
28	Coupling N ₂ and CO ₂ in H ₂ O to synthesize urea under ambient conditions. <i>Nature Chemistry</i> , 2020, 12, 717-724.	13.6	485
29	Supercritical CO ₂ -constructed intralayer [Bi ₂ O ₂] ²⁺ structural distortion for enhanced CO ₂ electroreduction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13320-13327.	10.3	29
30	Superfast Self-Healing and Photothermal Active Hydrogel with Nondefective Graphene as Effective Additive. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000172.	3.6	10
31	Controlled hydrogenation into defective interlayer bismuth oxychloride via vacancy engineering. <i>Communications Chemistry</i> , 2020, 3, .	4.5	22
32	Engineered 2D Transition Metal Dichalcogenides-A Vision of Viable Hydrogen Evolution Reaction Catalysis. <i>Advanced Energy Materials</i> , 2020, 10, 1903870.	19.5	169
33	Edge-Rich Fe ^N ₄ Active Sites in Defective Carbon for Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2020, 32, e2000966.	21.0	215
34	Heterogeneous Single-Atom Catalysts for Electrochemical CO ₂ Reduction Reaction. <i>Advanced Materials</i> , 2020, 32, e2001848.	21.0	366
35	Synergistic Voltage Adhesive Mechanisms with Alternating Electric Fields. <i>Chemistry of Materials</i> , 2020, 32, 2440-2449.	6.7	16
36	Ultrathin Few-Layer GeP Nanosheets via Lithiation-Assisted Chemical Exfoliation and Their Application in Sodium Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903826.	19.5	41

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37	In-situ phase transition of WO ₃ boosting electron and hydrogen transfer for enhancing hydrogen evolution on Pt. Nano Energy, 2020, 71, 104653.	16.0	149
38	Improved charge injection of edge aligned MoS ₂ /MoO ₂ hybrid nanosheets for highly robust and efficient electrocatalysis of H ₂ production. Nanoscale, 2020, 12, 5003-5013.	5.6	26
39	Fe/Co-based Bimetallic MOF-derived Co ₃ Fe ₇ @NCNTFs Bifunctional Electrocatalyst for High-Efficiency Overall Water Splitting. Chemistry - an Asian Journal, 2020, 15, 1728-1735.	3.3	38
40	Recent Advances in Isolated Single-Atom Catalysts for Zinc Air Batteries: A Focus Review. Nanomaterials, 2019, 9, 1402.	4.1	42
41	Exfoliation of amorphous phthalocyanine conjugated polymers into ultrathin nanosheets for highly efficient oxygen reduction. Journal of Materials Chemistry A, 2019, 7, 3112-3119.	10.3	87
42	Textile strain sensors: a review of the fabrication technologies, performance evaluation and applications. Materials Horizons, 2019, 6, 219-249.	12.2	289
43	Identification of active sites for acidic oxygen reduction on carbon catalysts with and without nitrogen doping. Nature Catalysis, 2019, 2, 688-695.	34.4	423
44	Plasma functionalisation of few-layer graphenes and carbon nanotubes for graphene microsupercapacitors. Electrochimica Acta, 2019, 317, 348-357.	5.2	9
45	Body Heat Powers Future Electronic Skins. Joule, 2019, 3, 1399-1403.	24.0	67
46	One-pot synthesis of porous 1T-phase MoS ₂ integrated with single-atom Cu doping for enhancing electrocatalytic hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 251, 87-93.	20.2	160
47	Challenges and prospects in the catalysis of electroreduction of nitrogen to ammonia. Nature Catalysis, 2019, 2, 290-296.	34.4	1,056
48	Yolk-Shell Structured FeP@C Nanoboxes as Advanced Anode Materials for Rechargeable Lithium-Potassium-Ion Batteries. Advanced Functional Materials, 2019, 29, 1808291.	14.9	232
49	Probing the Active Sites of Carbon-Encapsulated Cobalt Nanoparticles for Oxygen Reduction. Small Methods, 2019, 3, 1800439.	8.6	33
50	Two-dimensional transition metal dichalcogenides in supercapacitors and secondary batteries. Energy Storage Materials, 2019, 19, 408-423.	18.0	189
51	Hybrid Graphene/Conducting Polymer Strip Sensors for Sensitive and Selective Electrochemical Detection of Serotonin. ACS Omega, 2019, 4, 22169-22177.	3.5	41
52	Amorphous MoO _{3-x} nanosheets prepared by the reduction of crystalline MoO ₃ by Mo metal for LSPR and photothermal conversion. Chemical Communications, 2019, 55, 12527-12530.	4.1	36
53	High-efficiency electrocatalyst for N ₂ conversion to NH ₃ based on Au nanoparticles loaded on defective WO _{3-x} . Chemical Communications, 2019, 55, 13307-13310.	4.1	26
54	Defect-Induced Pt-Co-Se Coordinated Sites with Highly Asymmetrical Electronic Distribution for Boosting Oxygen-Involving Electrocatalysis. Advanced Materials, 2019, 31, e1805581.	21.0	168

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55	Three-Dimensional Porous Cobalt Phosphide Nanocubes Encapsulated in a Graphene Aerogel as an Advanced Anode with High Coulombic Efficiency for High-Energy Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5373-5379.	8.0	78
56	Recent Advances in 3D Graphene Architectures and Their Composites for Energy Storage Applications. <i>Small</i> , 2019, 15, e1803858.	10.0	99
57	Carbon nanotube-induced phase and stability engineering: a strained cobalt-doped WSe ₂ /MWNT heterostructure for enhanced hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4793-4800.	10.3	56
58	Review of Electrolytes in Nonaqueous Lithium-Oxygen Batteries. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700183.	5.3	46
59	Defect electrocatalytic mechanism: concept, topological structure and perspective. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1250-1268.	5.9	119
60	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	11.2	141
61	Graphene Defects Trap Atomic Ni Species for Hydrogen and Oxygen Evolution Reactions. <i>CheM</i> , 2018, 4, 285-297.	11.7	624
62	One dimensional hierarchical nanostructures composed of CdS nanosheets/nanoparticles and Ag nanowires with promoted photocatalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 903-915.	6.0	13
63	Fabrication of a Single-Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of H ₂ MoO ₃ with Plasmon Resonance. <i>ChemCatChem</i> , 2018, 10, 946-950.	3.7	43
64	Development of Graphene Oxide/Polyaniline Inks for High Performance Flexible Microsupercapacitors via Extrusion Printing. <i>Advanced Functional Materials</i> , 2018, 28, 1706592.	14.9	144
65	Metal-oxygen bonds: Stabilizing the intermediate species towards practical Li-air batteries. <i>Electrochimica Acta</i> , 2018, 259, 313-320.	5.2	12
66	Porous Zr ₂ SC-carbon composite microspheres: Possible radiation tolerant sorbents and transmutation hosts for technetium-99. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 67-78.	4.4	5
67	Porous ZrC-carbon microspheres as potential insoluble target matrices for production of ¹⁸⁸ W/ ¹⁸⁸ Re. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 835-847.	1.5	3
68	Photocatalytic Reduction on Bismuth-Based p-Block Semiconductors. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15936-15953.	6.7	62
69	Elastic Fiber Supercapacitors for Wearable Energy Storage. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800103.	3.9	30
70	Coordination of Atomic Co-Pt Coupling Species at Carbon Defects as Active Sites for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 10757-10763.	13.7	464
71	A Defect-Driven Metal-free Electrocatalyst for Oxygen Reduction in Acidic Electrolyte. <i>CheM</i> , 2018, 4, 2345-2356.	11.7	292
72	Efficient Photocatalytic Degradation of Malachite Green in Seawater by the Hybrid of Zinc-Oxide Nanorods Grown on Three-Dimensional (3D) Reduced Graphene Oxide(RGO)/Ni Foam. <i>Materials</i> , 2018, 11, 1004.	2.9	34

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73	Recent Development of Fabricating Flexible Micro ² Supercapacitors for Wearable Devices. <i>Advanced Materials Technologies</i> , 2018, 3, 1800028.	5.8	69
74	High Power Density Electrochemical Thermocells for Inexpensively Harvesting Low ² Grade Thermal Energy. <i>Advanced Materials</i> , 2017, 29, 1605652.	21.0	166
75	Mo ₂ C/CNT: An Efficient Catalyst for Rechargeable Li ² Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1700564.	14.9	236
76	A 3D hierarchical porous Co ₃ O ₄ nanotube network as an efficient cathode for rechargeable lithium ² oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14673-14681.	10.3	50
77	Thermochemistry and growth mechanism of SiC nanowires. <i>Journal of Solid State Chemistry</i> , 2017, 253, 282-286.	2.9	50
78	Metal porphyrin intercalated reduced graphene oxide nanocomposite utilized for electrocatalytic oxygen reduction. <i>Green Energy and Environment</i> , 2017, 2, 285-293.	8.7	26
79	Functional Electro-materials Based on Ferricyanide Redox-active Ionic Liquids. <i>Electrochimica Acta</i> , 2017, 245, 934-940.	5.2	10
80	CoS Quantum Dot Nanoclusters for High ² Energy Potassium ² Ion Batteries. <i>Advanced Functional Materials</i> , 2017, 27, 1702634.	14.9	391
81	Phosphorus ² Based Materials as the Anode for Sodium ² Ion Batteries. <i>Small Methods</i> , 2017, 1, 1700216.	8.6	98
82	Composite Photocatalysts Containing BiVO ₄ for Degradation of Cationic Dyes. <i>Scientific Reports</i> , 2017, 7, 8929.	3.3	82
83	Inkjet ² Printed Planar Biochips for Interfacial Detection of Biomoleculars. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700588.	3.7	3
84	Tailoring the wettability and mechanical properties of electrospun poly(l-lactic acid)-poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2017, 508, 87-94.	9.4	43
85	Probe Sensor Using Nanostructured Multi-Walled Carbon Nanotube Yarn for Selective and Sensitive Detection of Dopamine. <i>Sensors</i> , 2017, 17, 884.	3.8	37
86	Quinone Redox-active Ionic Liquids. <i>Journal of the Mexican Chemical Society</i> , 2017, 59, .	0.6	1
87	Core-Shell Co/CoO Integrated on 3D Nitrogen Doped Reduced Graphene Oxide Aerogel as an Enhanced Electrocatalyst for the Oxygen Reduction Reaction. <i>Frontiers in Chemistry</i> , 2016, 4, 36.	3.6	18
88	Nanofibrous Co ₃ O ₄ /PPy Hybrid with Synergistic Effect as Bifunctional Catalyst for Lithium ² Oxygen Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600030.	3.7	33
89	Self ² Assembled 3D Foam ² Like NiCo ₂ O ₄ as Efficient Catalyst for Lithium Oxygen Batteries. <i>Small</i> , 2016, 12, 602-611.	10.0	97
90	Studies of poly(3,4-ethylenedioxythiophene) (PEDOT) films containing cationic Mn porphyrins. A loading-dependent demetalation of Mn(III)TPP in PEDOT (Mn(III)TPP=5,10,15,20-tetraphenylporphyrinato) Tj ETQq0 0 0 rgBT /Overlock		

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91	Nanodroplets for Stretchable Superconducting Circuits. <i>Advanced Functional Materials</i> , 2016, 26, 8111-8118.	14.9	158
92	Facile Fabrication of Flexible Microsupercapacitor with High Energy Density. <i>Advanced Materials Technologies</i> , 2016, 1, 1600166.	5.8	48
93	Integrated Carbon/Red Phosphorus/Graphene Aerogel 3D Architecture via Advanced Vapor Redistribution for High Energy Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2016, 6, 1601037.	19.5	198
94	Defect Graphene as a Trifunctional Catalyst for Electrochemical Reactions. <i>Advanced Materials</i> , 2016, 28, 9532-9538.	21.0	961
95	Hierarchical Nafion enhanced carbon aerogels for sensing applications. <i>Nanoscale</i> , 2016, 8, 3416-3424.	5.6	17
96	Ambient controlled synthesis of advanced core-shell plasmonic Ag@ZnO photocatalysts. <i>CrystEngComm</i> , 2016, 18, 1713-1722.	2.6	45
97	Ambient synthesis of a multifunctional 1D/2D hierarchical Ag ₂ S nanowire/nanosheet heterostructure with diverse applications. <i>CrystEngComm</i> , 2016, 18, 930-937.	2.6	38
98	Substituted ferrocenes and iodine as synergistic thermoelectrochemical heat harvesting redox couples in ionic liquids. <i>Chemical Communications</i> , 2016, 52, 745-748.	4.1	52
99	Enhanced simultaneous detection of ractopamine and salbutamol via electrochemical-facial deposition of MnO ₂ nanoflowers onto 3D RGO/Ni foam templates. <i>Biosensors and Bioelectronics</i> , 2016, 78, 259-266.	10.1	49
100	High-Performance Flexible All-Solid-State Supercapacitor from Large Free-Standing Graphene-PEDOT/PSS Films. <i>Scientific Reports</i> , 2015, 5, 17045.	3.3	243
101	Highly Compressible and All-Solid-State Supercapacitors Based on Nanostructured Composite Sponge. <i>Advanced Materials</i> , 2015, 27, 6002-6008.	21.0	217
102	N-doped pierced graphene microparticles as a highly active electrocatalyst for Li-air batteries. <i>2D Materials</i> , 2015, 2, 024002.	4.4	14
103	Phase-controlled microwave synthesis of pure monoclinic BiVO ₄ nanoparticles for photocatalytic dye degradation. <i>Applied Materials Today</i> , 2015, 1, 67-73.	4.3	33
104	Hierarchically porous carbon-zirconium carbide spheres as potentially reusable transmutation targets. <i>Microporous and Mesoporous Materials</i> , 2015, 212, 100-109.	4.4	12
105	Bio-Interface of Conducting Polymer-Based Materials for Neuroregeneration. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500059.	3.7	33
106	Electroactive biocompatible materials for nerve cell stimulation. <i>Materials Research Express</i> , 2015, 2, 042001.	1.6	16
107	N-Doped Crumpled Graphene Derived from Vapor Phase Deposition of PPy on Graphene Aerogel as an Efficient Oxygen Reduction Reaction Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7066-7072.	8.0	42
108	High Acetic Acid Production Rate Obtained by Microbial Electrosynthesis from Carbon Dioxide. <i>Environmental Science & Technology</i> , 2015, 49, 13566-13574.	10.0	241

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109	Nano-Carbon Electrodes for Thermal Energy Harvesting. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1-14.	0.9	118
110	Fabrication of graphene foam supported carbon nanotube/polyaniline hybrids for high-performance supercapacitor applications. <i>2D Materials</i> , 2014, 1, 034002.	4.4	16
111	One-pot synthesis of Fe_2O_3 nanoparticles-decorated reduced graphene oxide for efficient nonenzymatic H_2O_2 biosensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 190, 645-650.	7.8	58
112	Electrochemical nonenzymatic sensor based on CoO decorated reduced graphene oxide for the simultaneous determination of carbofuran and carbaryl in fruits and vegetables. <i>Food Chemistry</i> , 2014, 151, 191-197.	8.2	117
113	Enhanced visible-light photocatalytic activity of g-C ₃ N ₄ /TiO ₂ films. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 402-409.	9.4	339
114	Performance enhancement of single-walled nanotube/microwave exfoliated graphene oxide composite electrodes using a stacked electrode configuration. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14835-14843.	10.3	14
115	A novel carbon nanotube modified scaffold as an efficient biocathode material for improved microbial electrosynthesis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13093-13102.	10.3	236
116	Edge-enriched graphene quantum dots for enhanced photo-luminescence and supercapacitance. <i>Nanoscale</i> , 2014, 6, 11988-11994.	5.6	406
117	Facile Synthesis of Highly Efficient One-Dimensional Plasmonic Photocatalysts through Ag@Cu ₂ O Core/Shell Heteronanowires. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15716-15725.	8.0	127
118	Fabrication of Free-Standing Hierarchical Carbon Nanofiber/Graphene Oxide/Polyaniline Films for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 200-209.	8.0	154
119	A solvothermal strategy: one-step in situ synthesis of self-assembled 3D graphene-based composites with enhanced lithium storage capacity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9200-9207.	10.3	56
120	High-Performance Multifunctional Graphene Yarns: Toward Wearable All-Carbon Energy Storage Textiles. <i>ACS Nano</i> , 2014, 8, 2456-2466.	14.6	331
121	Flexible Supercapacitors – Development of Bendable Carbon Architectures. <i>ACS Symposium Series</i> , 2013, , 101-141.	0.5	5
122	One-pot green synthesis of Ag nanoparticles-decorated reduced graphene oxide for efficient nonenzymatic H_2O_2 biosensor. <i>Materials Letters</i> , 2013, 107, 311-314.	2.6	42
123	Sensitive and selective dopamine determination in human serum with inkjet printed Nafion/MWCNT chips. <i>Electrochemistry Communications</i> , 2013, 37, 32-35.	4.7	34
124	The nanostructure of three-dimensional scaffolds enhances the current density of microbial bioelectrochemical systems. <i>Energy and Environmental Science</i> , 2013, 6, 1291.	30.8	132
125	Conducting polymer coated neural recording electrodes. <i>Journal of Neural Engineering</i> , 2013, 10, 016004.	3.5	95
126	Co ₃ O ₄ nanorods decorated reduced graphene oxide composite for oxygen reduction reaction in alkaline electrolyte. <i>Electrochemistry Communications</i> , 2013, 34, 299-303.	4.7	90

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127	Development of MoS ₂ /CNT Composite Thin Film from Layered MoS ₂ for Lithium Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 798-805.	19.5	282
128	A Repeated Halving Approach to Fabricate Ultrathin Single-Walled Carbon Nanotube Films for Transparent Supercapacitors. <i>Small</i> , 2013, 9, 518-524.	10.0	96
129	A light-assisted, polymeric water oxidation catalyst that selectively oxidizes seawater with a low onset potential. <i>Chemical Science</i> , 2013, 4, 2797.	7.4	22
130	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. <i>Advanced Functional Materials</i> , 2013, 23, 5345-5354.	14.9	354
131	Scalable Solid-Template Reduction for Designed Reduced Graphene Oxide Architectures. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7676-7681.	8.0	12
132	Facile Fabrication of Pt Nanoparticles on 1-Pyrenamine Functionalized Graphene Nanosheets for Methanol Electrooxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 527-533.	6.7	32
133	Mesoporous hollow PtCu nanoparticles for electrocatalytic oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2391.	10.3	81
134	Reduced graphene oxide/cuprous oxide composite via facial deposition for photocatalytic dye-degradation. <i>Journal of Alloys and Compounds</i> , 2013, 568, 26-35.	5.5	61
135	Mangansite/microwave exfoliated graphene oxide composites for asymmetric supercapacitor device applications. <i>Electrochimica Acta</i> , 2013, 101, 99-108.	5.2	83
136	Localized growth of Pt on Pd as a bimetallic electrocatalyst with enhanced catalytic activity and durability for proton exchange membrane fuel cell. <i>Electrochemistry Communications</i> , 2013, 34, 73-76.	4.7	14
137	PdNi Hollow Nanoparticles for Improved Electrocatalytic Oxygen Reduction in Alkaline Environments. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12708-12715.	8.0	108
138	Carbon Nanotube / Reduced Graphene Oxide Composites for Thermal Energy Harvesting Applications. <i>Advanced Materials</i> , 2013, 25, 6602-6606.	21.0	178
139	Flexible Antibacterial Film Deposited with Polythiophene/Porphyrin Composite. <i>Advanced Healthcare Materials</i> , 2013, 2, 1582-1585.	7.6	28
140	Study on the Controllable Scale-Up Growth of Vertically-Aligned Carbon Nanotube Arrays. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2722-2732.	0.9	3
141	Novel carbon materials for thermal energy harvesting. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 1229-1235.	3.6	54
142	Carbon Nanotube Nanoweb/Bioelectrode for Highly Selective Dopamine Sensing. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 44-48.	8.0	74
143	Charge storage in carbon nanotube/TiO ₂ hybrid nanoparticles. <i>Synthetic Metals</i> , 2012, 162, 650-654.	3.9	6
144	BiVO ₄ /CeO ₂ Nanocomposites with High Visible-Light-Induced Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3718-3723.	8.0	408

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145	A "skeleton/skin" strategy for preparing ultrathin free-standing single-walled carbon nanotube/polyaniline films for high performance supercapacitor electrodes. <i>Energy and Environmental Science</i> , 2012, 5, 8726.	30.8	312
146	Microstructure and magnetorheological properties of the thermoplastic magnetorheological elastomer composites containing modified carbonyl iron particles and poly(styrene- <i>b</i> -ethylene-ethylenepropylene- <i>b</i> -styrene) matrix. <i>Smart Materials and Structures</i> , 2012, 21, 115028.	3.5	58
147	Impact of mechanical bending on the electrochemical performance of bendable lithium batteries with paper-like free-standing V ₂ O ₅ polypyrrole cathodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 11159.	6.7	44
148	Towards Hydrogen Energy: Progress on Catalysts for Water Splitting. <i>Australian Journal of Chemistry</i> , 2012, 65, 577.	0.9	22
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