

Shuai Wang

List of Publications by Year in descending order

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papers

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46918

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#	ARTICLE	IF	CITATIONS
1	A novel metal-organic framework-derived NiSe ₂ /ZnSe@NC as advanced anode materials for high-performance asymmetric supercapacitors. <i>Electrochemical Science Advances</i> , 2022, 2, e2100047.	1.2	8
2	Exo/endogenous factors co-activatable nanodevice for spatiotemporally controlled miRNA imaging and guided tumor ablation. <i>Nano Research</i> , 2022, 15, 845-857.	5.8	12
3	A nonchlorinated solvent-processed polymer semiconductor for high-performance ambipolar transistors. <i>National Science Review</i> , 2022, 9, nwab145.	4.6	5
4	Interface engineering of iron sulfide/tungsten nitride heterostructure catalyst for boosting oxygen reduction activity. <i>Chemical Engineering Journal</i> , 2022, 431, 133274.	6.6	8
5	Transport and deposition behaviors of microplastics in porous media: Co-impacts of N fertilizers and humic acid. <i>Journal of Hazardous Materials</i> , 2022, 426, 127787.	6.5	26
6	A Capacitive and Piezoresistive Hybrid Sensor for Long-Distance Proximity and Wide-Range Force Detection in Human-Robot Collaboration. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	12
7	Improved removal performance of Gram-negative and Gram-positive bacteria in sand filtration system with arginine modified biochar amendment. <i>Water Research</i> , 2022, 211, 118006.	5.3	9
8	Temperature Measurement Based on Electron Paramagnetic Resonance of Magnetic Nanoparticles. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-8.	2.4	1
9	Two-Dimensional Cobalt Sulfide/Iron-Nitrogen-Carbon Holey Sheets with Improved Durability for Oxygen Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11538-11546.	4.0	12
10	A Capacitive and Piezoresistive Hybrid Sensor for Long-Distance Proximity and Wide-Range Force Detection in Human-Robot Collaboration. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	9
11	Catalyst-Free Periodate Activation by Solar Irradiation for Bacterial Disinfection: Performance and Mechanisms. <i>Environmental Science & Technology</i> , 2022, 56, 4413-4424.	4.6	55
12	Case Study of the Largest Concrete Earth Pressure Balance Pipe-Jacking Project in the World. <i>Transportation Research Record</i> , 2022, 2676, 92-105.	1.0	22
13	Flower-Like Nanozymes with Large Accessibility of Single Atom Catalysis Sites for ROS Generation Boosted Tumor Therapy. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	35
14	Nonideal double-slope effect in organic field-effect transistors. <i>Frontiers of Physics</i> , 2021, 16, 1.	2.4	4
15	Rapid screening for individualized chemotherapy optimization of colorectal cancer: A novel conditional reprogramming technology-based functional diagnostic assay. <i>Translational Oncology</i> , 2021, 14, 100935.	1.7	10
16	Hierarchical porous carbon heterojunction flake arrays derived from metal organic frameworks and ionic liquid for H ₂ O ₂ electrochemical detection in cancer tissue. <i>Nano Research</i> , 2021, 14, 1335-1343.	5.8	16
17	Synthesis Strategies, Catalytic Applications, and Performance Regulation of Single-Atom Catalysts. <i>Advanced Functional Materials</i> , 2021, 31, 2008318.	7.8	133
18	Organic crystalline monolayers for ideal behaviours in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12057-12062.	2.7	3

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19	Long-Lasting Reactive Oxygen Species Generation by Porous Redox Mediator-Potentiated Nanoreactor for Effective Tumor Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2008573.	7.8	40
20	A deep learning algorithm using CT images to screen for Corona virus disease (COVID-19). <i>European Radiology</i> , 2021, 31, 6096-6104.	2.3	742
21	Discovery of [1,2,4]triazolo[1,5-a]pyrimidines derivatives as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113108.	2.6	14
22	Effects of grinding and dehydration on kaolin in a steam jet mill. <i>Clay Minerals</i> , 2021, 56, 75-84.	0.2	3
23	Charge Transfer Kinetics at Ag(111) Single Crystal Electrode/Ionic Liquid Interfaces: Dependence on the Cation Alkyl Side Chain Length. <i>ChemElectroChem</i> , 2021, 8, 983-990.	1.7	4
24	Single-Atom Catalysts: Synthesis Strategies, Catalytic Applications, and Performance Regulation of Single-Atom Catalysts (<i>Adv. Funct. Mater.</i> 12/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170081.	7.8	9
25	FDA-approved pyrimidine-fused bicyclic heterocycles for cancer therapy: Synthesis and clinical application. <i>European Journal of Medicinal Chemistry</i> , 2021, 214, 113218.	2.6	65
26	Concurrent mutations associated with trastuzumab-resistance revealed by single cell sequencing. <i>Breast Cancer Research and Treatment</i> , 2021, 187, 613-624.	1.1	2
27	Cation Modulation of Cobalt Sulfide Supported by Mesopore-Rich Hydrangea-Like Carbon Nanoflower for Oxygen Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18683-18692.	4.0	27
28	Sub-5 nm single crystalline organic-inorganic heterojunctions. <i>Nature Communications</i> , 2021, 12, 2774.	5.8	39
29	Melamine-assisted synthesis of cobalt-nickel coordination polymers as electrode materials for supercapacitors. <i>Journal of Materials Science</i> , 2021, 56, 13752-13762.	1.7	4
30	Structural and electrochemical characterization of vanadium-excess Li ₃ V ₂ (PO ₄) ₃ -LiVOPO ₄ /C composite cathode material synthesized by sol-gel method. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2127-2137.	1.2	2
31	Two-dimensional metal-organic framework-derived selenium-doped cobalt Sulfide@Graphene nanofoam for oxygen electrocatalysis. <i>Carbon</i> , 2021, 178, 640-648.	5.4	10
32	Host factor cyclophilin B affects Orf virus replication by interacting with viral ORF058 protein. <i>Veterinary Microbiology</i> , 2021, 258, 109099.	0.8	2
33	Synthesis and evaluation of disulfide-rich cyclic β -conotoxin [S9A]TxID analogues as novel β 3 nAChR antagonists. <i>Bioorganic Chemistry</i> , 2021, 112, 104875.	2.0	2
34	Electrically Conductive Metal-Organic Framework Thin Film-Based On-Chip Micro-Biosensor: A Platform to Unravel Surface Morphology-Dependent Biosensing. <i>Advanced Functional Materials</i> , 2021, 31, 2102855.	7.8	31
35	In vitro and in vivo detection of lactate with nanohybrid-functionalized Pt microelectrode facilitating assessment of tumor development. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113474.	5.3	26
36	Discovery of the Triazolo[1,5- <i>a</i>]Pyrimidine-Based Derivative WS-898 as a Highly Efficacious and Orally Bioavailable ABCB1 Inhibitor Capable of Overcoming Multidrug Resistance. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16187-16204.	2.9	14

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37	High-Performance Flexible Asymmetric Supercapacitors Facilitated by N-doped Porous Vertical Graphene Nanomesh Arrays. <i>ChemElectroChem</i> , 2020, 7, 406-413.	1.7	12
38	MOF-Derived Copper Nitride/Phosphide Heterostructure Coated by Multi-Doped Carbon as Electrocatalyst for Efficient Water Splitting and Neutral-pH Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2020, 7, 289-298.	1.7	30
39	High-Performance Flexible Asymmetric Supercapacitors Facilitated by N-doped Porous Vertical Graphene Nanomesh Arrays. <i>ChemElectroChem</i> , 2020, 7, 366-366.	1.7	0
40	Coral-like hierarchical structured carbon nanoscaffold with improved sensitivity for biomolecular detection in cancer tissue. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111924.	5.3	22
41	Structure-Based Design, Synthesis, and Biological Evaluation of New Triazolo[1,5-a]Pyrimidine Derivatives as Highly Potent and Orally Active ABCB1 Modulators. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15979-15996.	2.9	25
42	Fermentation Characteristics of <i>Lactococcus lactis</i> subsp. <i>lactis</i> Isolated From Naturally Fermented Dairy Products and Screening of Potential Starter Isolates. <i>Frontiers in Microbiology</i> , 2020, 11, 1794.	1.5	21
43	Improving Na ⁺ Diffusion and Performance of P2-Type Layered Na _{0.6} Li _{0.07} Mn _{0.66} Co _{0.17} Ni _{0.17} O ₂ by Expanding the Interplanar Spacing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48669-48676.		10
44	Ultrafast <i>In Situ</i> Synthesis of Large-Area Conductive Metal-Organic Frameworks on Substrates for Flexible Chemiresistive Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57235-57244.	4.0	34
45	Wrinkle-induced highly conductive channels in graphene on SiO ₂ /Si substrates. <i>Nanoscale</i> , 2020, 12, 12038-12045.	2.8	11
46	A Trajectory Tracking Method for Wheeled Mobile Robots Based on Disturbance Observer. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2165-2169.	1.6	22
47	Hierarchical Core-Shell Structure of 2D VS ₂ @VC@N-Doped Carbon Sheets Decorated by Ultrafine Pd Nanoparticles: Assembled in a 3D Rosette-like Array on Carbon Fiber Microelectrode for Electrochemical Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15507-15516.	4.0	34
48	Kinetochores protein MAD1 participates in the DNA damage response through ataxia-telangiectasia mutated kinase-mediated phosphorylation and enhanced interaction with KU80. <i>Cancer Biology and Medicine</i> , 2020, 17, 640-651.	1.4	1
49	Phosphorus forms in the sediment of seagrass meadows affected mainly by fungi rather than bacteria: a preliminary study based on ³¹ P-NMR and high-throughput sequencing. <i>Oceanological and Hydrobiological Studies</i> , 2020, 49, 408-420.	0.3	2
50	<i>In situ</i> growth of Fe(ⁱⁱ)-MOF-74 nanoarrays on nickel foam as an efficient electrocatalytic electrode for water oxidation: a mechanistic study on valence engineering. <i>Chemical Communications</i> , 2019, 55, 11307-11310.	2.2	23
51	Direct probing of imperfection-induced electrical degradation in millimeter-scale graphene on SiO ₂ substrates. <i>2D Materials</i> , 2019, 6, 045033.	2.0	2
52	Greater negative lymph node count predicts favorable survival of patients with breast cancer in the setting of neoadjuvant chemotherapy and mastectomy. <i>Future Oncology</i> , 2019, 15, 3701-3709.	1.1	3
53	Separation of the cathode materials from the Al foil in spent lithium-ion batteries by cryogenic grinding. <i>Waste Management</i> , 2019, 91, 89-98.	3.7	58
54	MicroRNA-3648 Is Upregulated to Suppress TCF21, Resulting in Promotion of Invasion and Metastasis of Human Bladder Cancer. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 16, 519-530.	2.3	33

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55	Maximizing the utility of single atom electrocatalysts on a 3D graphene nanomesh. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15575-15579.	5.2	34
56	Tuning the electron density distribution of the Co-N-C catalysts through guest molecules and heteroatom doping to boost oxygen reduction activity. <i>Journal of Power Sources</i> , 2019, 418, 50-60.	4.0	34
57	Self-supported 3D porous N-Doped nickel selenide electrode for hydrogen evolution reaction over a wide range of pH. <i>Electrochimica Acta</i> , 2019, 304, 202-209.	2.6	39
58	High-Performance Ambipolar Polymers Based on Electron-Withdrawing Group Substituted Bay-Annulated Indigo. <i>Advanced Functional Materials</i> , 2019, 29, 1804839.	7.8	29
59	Promoted Glycerol Oxidation Reaction in an Interface-Confined Hierarchically Structured Catalyst. <i>Advanced Materials</i> , 2019, 31, e1804763.	11.1	40
60	Urchin-like non-precious-metal bifunctional oxygen electrocatalysts: Boosting the catalytic activity via the In-situ growth of heteroatom (N, S)-doped carbon nanotube on mesoporous cobalt sulfide/carbon spheres. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 465-474.	5.0	29
61	Magnetically recyclable nanocatalyst with synergetic catalytic effect and its application for 4-nitrophenol reduction and Suzuki coupling reactions. <i>Carbon</i> , 2018, 130, 806-813.	5.4	99
62	Copolymers of Bis-Diketopyrrolopyrrole and Benzothiadiazole Derivatives for High-Performance Ambipolar Field-Effect Transistors on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25858-25865.	4.0	27
63	Controlling Fundamental Fluctuations for Reproducible Growth of Large Single-Crystal Graphene. <i>ACS Nano</i> , 2018, 12, 1778-1784.	7.3	31
64	In Situ Observation of the Growth of ZnO Nanostructures Using Liquid Cell Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 875-879.	1.5	8
65	Effects of serum, enzyme, thiol, and forced degradation on the stabilities of β -O-conotoxin GeXIVA[1,2] and GeXIVA [1,4]. <i>Chemical Biology and Drug Design</i> , 2018, 91, 1030-1041.	1.5	8
66	Palladium Nanoparticles Anchored on Amine-Functionalized Silica Nanotubes as a Highly Effective Catalyst. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2696-2703.	1.5	83
67	Vertically Aligned Heteroatom Doped Carbon Nanosheets from Unzipped Self-Doped Carbon Tubes for High Performance Supercapacitor. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6042-6051.	3.2	18
68	Confined-interface-directed synthesis of Palladium single-atom catalysts on graphene/amorphous carbon. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 291-297.	10.8	159
69	General and facile synthesis of hollow metal oxide nanoparticles coupled with graphene nanomesh architectures for highly efficient lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23856-23864.	5.2	17
70	Insight into High-Performance Conjugated Polymers for Organic Field-Effect Transistors. <i>CheM</i> , 2018, 4, 2748-2785.	5.8	313
71	Coordination-Assisted Polymerization of Mesoporous Cobalt Sulfide/Heteroatom (N,S)-Doped Double-Layered Carbon Tubes as an Efficient Bifunctional Oxygen Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33124-33134.	4.0	66
72	Structural engineering of S-doped Co/N/C mesoporous nanorods via the Ostwald ripening-assisted template method for oxygen reduction reaction and Li-ion batteries. <i>Journal of Power Sources</i> , 2018, 401, 55-64.	4.0	14

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73	Scalable fabrication of ultrathin free-standing graphene nanomesh films for flexible ultrafast electrochemical capacitors with AC line-filtering performance. <i>Nano Energy</i> , 2018, 50, 182-191.	8.2	66
74	Structural characterization of a novel glycoprotein in wheat germ and its physicochemical properties. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 1058-1065.	3.6	17
75	Self-supported transition metal phosphide based electrodes as high-efficient water splitting cathodes. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 494-508.	2.3	42
76	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters. <i>Advanced Materials</i> , 2018, 30, e1801951.	11.1	32
77	Highly active and dual-function self-supported multiphase Ni ₂ S ₃ /NF electrodes for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14207-14214.	5.2	91
78	Synergized Multimodal Therapy for Safe and Effective Reversal of Cancer Multidrug Resistance Based on Low-Level Photothermal and Photodynamic Effects. <i>Small</i> , 2018, 14, e1800785.	5.2	27
79	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (<i>Adv. Mater.</i> 32/2018). <i>Advanced Materials</i> , 2018, 30, 1870241.	11.1	0
80	Multi-element doping design of high-efficient carbocatalyst for electrochemical sensing of cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 108-117.	4.0	28
81	Large-scale printing synthesis of transition metal phosphides encapsulated in N, P co-doped carbon as highly efficient hydrogen evolution cathodes. <i>Nano Energy</i> , 2018, 51, 223-230.	8.2	79
82	Well-Ordered Oxygen-Deficient CoMoO ₄ and Fe ₂ O ₃ Nanoplate Arrays on 3D Graphene Foam: Toward Flexible Asymmetric Supercapacitors with Enhanced Capacitive Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6044-6053.	4.0	180
83	pudding-typed cobalt sulfides/nitrogen and sulfur dual-doped hollow carbon spheres as a highly efficient and stable oxygen reduction electrocatalyst. <i>Journal of Power Sources</i> , 2017, 348, 183-192.	4.0	62
84	Raisin bread-like iron sulfides/nitrogen and sulfur dual-doped mesoporous graphitic carbon spheres: a promising electrocatalyst for the oxygen reduction reaction in alkaline and acidic media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11114-11123.	5.2	55
85	Self-Supported Biocarbon-Fiber Electrode Decorated with Molybdenum Carbide Nanoparticles for Highly Active Hydrogen-Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22604-22611.	4.0	34
86	Bis-Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. <i>Advanced Materials</i> , 2017, 29, 1606162.	11.1	99
87	Facile synthesis of N-doped porous carbon encapsulated bimetallic PdCo as a highly active and durable electrocatalyst for oxygen reduction and ethanol oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10876-10884.	5.2	93
88	Ultrafast charge/discharge solid-state thin-film supercapacitors via regulating the microstructure of transition-metal-oxide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2759-2767.	5.2	45
89	Pyridinic nitrogen-rich carbon nanocapsules from a bioinspired polydopamine derivative for highly efficient electrocatalytic oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 519-523.	5.2	24
90	Extended Isoindigo-Based Derivative: A Promising Electron-Deficient Building Block for Polymer Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40549-40555.	4.0	29

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91	Flexible small-channel thin-film transistors by electrohydrodynamic lithography. <i>Nanoscale</i> , 2017, 9, 19050-19057.	2.8	36
92	Improvement of Interface Thermal Resistance for Surface-Mounted Ultraviolet Light-Emitting Diodes Using a Graphene Oxide Silicone Composite. <i>ACS Omega</i> , 2017, 2, 5005-5011.	1.6	20
93	Aligned hierarchical Ag/ZnO nano-heterostructure arrays via electrohydrodynamic nanowire template for enhanced gas-sensing properties. <i>Scientific Reports</i> , 2017, 7, 12206.	1.6	37
94	Isoindigo-Based Polymers with Small Effective Masses for High-Mobility Ambipolar Field-Effect Transistors. <i>Advanced Materials</i> , 2017, 29, 1702115.	11.1	115
95	In Situ Electrochemical Sensing and Real-Time Monitoring Live Cells Based on Freestanding Nanohybrid Paper Electrode Assembled from 3D Functionalized Graphene Framework. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38201-38210.	4.0	59
96	Direct Four-Probe Measurement of Grain-Boundary Resistivity and Mobility in Millimeter-Sized Graphene. <i>Nano Letters</i> , 2017, 17, 5291-5296.	4.5	59
97	The role of sp^2/sp^3 hybrid carbon regulation in the nonlinear optical properties of graphene oxide materials. <i>RSC Advances</i> , 2017, 7, 53643-53652.	1.7	78
98	Nitrogen-enriched polydopamine analogue-derived defect-rich porous carbon as a bifunctional metal-free electrocatalyst for highly efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17064-17072.	5.2	66
99	Facile Synthesis of Heterostructured Nickel/Nickel Oxide Wrapped Carbon Fiber: Flexible Bifunctional Gas-Evolving Electrode for Highly Efficient Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 529-536.	3.2	63
100	Substrate-Induced Synthesis of Nitrogen-Doped Holey Graphene Nanocapsules for Advanced Metal-Free Bifunctional Electrocatalysts. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600207.	1.2	15
101	Facile One-Step Synthesis of Mesoporous Tin Oxide Hollow Spheres and Their Functionalized Nanoreactor Variants. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 519-523.	1.2	6
102	Oxidative Etching-Assisted Synthesis of Centimeter-Sized Single-Crystalline Graphene. <i>Advanced Materials</i> , 2016, 28, 3152-3158.	11.1	81
103	PtAu alloy nanoflowers on 3D porous ionic liquid functionalized graphene-wrapped activated carbon fiber as a flexible microelectrode for near-cell detection of cancer. <i>NPG Asia Materials</i> , 2016, 8, e337-e337.	3.8	46
104	Synthesis and tumor cytotoxicity of novel 1,2,3-triazole-substituted 3-oxo-oleanolic acid derivatives. <i>Chemical Research in Chinese Universities</i> , 2016, 32, 938-942.	1.3	8
105	Electrochemical Biosensor Based on Nanoporous Au/CoO Core-Shell Material with Synergistic Catalysis. <i>ChemPhysChem</i> , 2016, 17, 98-104.	1.0	15
106	Fiber-based multifunctional nickel phosphide electrodes for flexible energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9691-9699.	5.2	136
107	Planar integration of flexible micro-supercapacitors with ultrafast charge and discharge based on interdigital nanoporous gold electrodes on a chip. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9502-9510.	5.2	61
108	An isoindigo-bithiazole-based acceptor-acceptor copolymer for balanced ambipolar organic thin-film transistors. <i>Science China Chemistry</i> , 2016, 59, 679-683.	4.2	13

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109	Pd Nanoparticles Decorated N-Doped Graphene Quantum Dots@N-Doped Carbon Hollow Nanospheres with High Electrochemical Sensing Performance in Cancer Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22563-22573.	4.0	161
110	Hierarchically porous Co ₃ O ₄ /C nanowire arrays derived from a metal-organic framework for high performance supercapacitors and the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16516-16523.	5.2	188
111	Mussel-inspired Functionalization of Cotton for Nano-catalyst Support and Its Application in a Fixed-bed System with High Performance. <i>Scientific Reports</i> , 2016, 6, 21904.	1.6	88
112	One-step synthesis of nickel phosphide nanowire array supported on nickel foam with enhanced electrocatalytic water splitting performance. <i>RSC Advances</i> , 2016, 6, 107859-107864.	1.7	65
113	Ultra-small Fe ₂ N nanocrystals embedded into mesoporous nitrogen-doped graphitic carbon spheres as a highly active, stable, and methanol-tolerant electrocatalyst for the oxygen reduction reaction. <i>Nano Energy</i> , 2016, 24, 121-129.	8.2	131
114	D ₁ -D ₂ Copolymer Based on Pyridine-Capped Diketopyrrolopyrrole with Fluorinated Benzothiadiazole for High-Performance Ambipolar Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8620-8626.	4.0	24
115	Ultrasensitive strain gauge with tunable temperature coefficient of resistivity. <i>Nano Research</i> , 2016, 9, 1346-1357.	5.8	18
116	Design of High-Mobility Diketopyrrolopyrrole-Based Conjugated Copolymers for Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2015, 27, 3589-3606.	11.1	350
117	Governing Rule for Dynamic Formation of Grain Boundaries in Grown Graphene. <i>ACS Nano</i> , 2015, 9, 5792-5798.	7.3	66
118	Highly sensitive thin film phototransistors based on a copolymer of benzodithiophene and diketopyrrolopyrrole. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1942-1948.	2.7	26
119	Enhancing the organic thin-film transistor performance of diketopyrrolopyrrole-benzodithiophene copolymers via the modification of both conjugated backbone and side chain. <i>Polymer Chemistry</i> , 2015, 6, 5369-5375.	1.9	20
120	One-Pot Synthesis of Three-Dimensional Graphene/Carbon Nanotube/SnO ₂ Hybrid Architectures with Enhanced Lithium Storage Properties. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17963-17968.	4.0	75
121	Functionalized carbonaceous fibers for high performance flexible all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11817-11823.	5.2	135
122	Hierarchically structured MnO ₂ /graphene/carbon fiber and porous graphene hydrogel wrapped copper wire for fiber-based flexible all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11215-11223.	5.2	235
123	Scalable synthesis of a Pd nanoparticle loaded hierarchically porous graphene network through multiple synergistic interactions. <i>Chemical Communications</i> , 2015, 51, 8357-8360.	2.2	34
124	Advanced solid-state asymmetric supercapacitors based on 3D graphene/MnO ₂ and graphene/polypyrrole hybrid architectures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12828-12835.	5.2	160
125	Scalable Synthesis of Freestanding Sandwich-structured Graphene/Polyaniline/Graphene Nanocomposite Paper for Flexible All-Solid-State Supercapacitor. <i>Scientific Reports</i> , 2015, 5, 9359.	1.6	147
126	Hierarchical porous Ni/NiO core-shells with superior conductivity for electrochemical pseudo-capacitors and glucose sensors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10519-10525.	5.2	123

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127	Multifunctional magnetic graphene hybrid architectures: one-pot synthesis and their applications as organic pollutants adsorbents and supercapacitor electrodes. RSC Advances, 2015, 5, 83480-83485.	1.7	14
128	Hierarchical nanostructured noble metal/metal oxide/graphene-coated carbon fiber: in situ electrochemical synthesis and use as microelectrode for real-time molecular detection of cancer cells. Analytical and Bioanalytical Chemistry, 2015, 407, 8129-8136.	1.9	32
129	Nanoparticle monolayer-based flexible strain gauge with ultrafast dynamic response for acoustic vibration detection. Nano Research, 2015, 8, 2978-2987.	5.8	68
130	A single-beam-splitting technique combined with a calibration-free method for field-deployable applications using laser-induced breakdown spectroscopy. RSC Advances, 2015, 5, 4537-4546.	1.7	14
131	Tracking guidance strategy for low-thrust transfer trajectory based on NMPC theory. , 2014, , .		1
132	Leaching Behavior and Risk Assessment of Heavy Metals in a Landfill of Electrolytic Manganese Residue in Western Hunan, China. Human and Ecological Risk Assessment (HERA), 2014, 20, 1249-1263.	1.7	43
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