Xiao-Dong Zhuang

List of Publications by Citations

201 papers	17,083 citations	67 h-index	128 g-index
213 ext. papers	19,962 ext. citations	11.1 avg, IF	7.02 L-index

#	Paper	IF	Citations
201	Interface Engineering of MoS2 /Ni3 S2 Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. *Angewandte Chemie - International Edition*, **2016**, 55, 6702-7	16.4	896
200	Hierarchically porous carbons with optimized nitrogen doping as highly active electrocatalysts for oxygen reduction. *Nature Communications*, **2014**, 5, 4973	17.4	808
199	Vertically oriented cobalt selenide/NiFe layered-double-hydroxide nanosheets supported on exfoliated graphene foil: an efficient 3D electrode for overall water splitting. *Energy and Environmental Science*, **2016**, 9, 478-483	35.4	646
198	Efficient hydrogen production on MoNi electrocatalysts with fast water dissociation kinetics. *Nature Communications*, **2017**, 8, 15437	17.4	583
197	Nitrogen-doped carbon nanosheets with size-defined mesopores as highly efficient metal-free catalyst for the oxygen reduction reaction. *Angewandte Chemie - International Edition*, **2014**, 53, 1570-4	16.4	428
196	Accelerated Hydrogen Evolution Kinetics on NiFe-Layered Double Hydroxide Electrocatalysts by Tailoring Water Dissociation Active Sites. *Advanced Materials*, **2018**, 30, 1706279	24	390
195	Engineering water dissociation sites in MoS2 nanosheets for accelerated electrocatalytic hydrogen production. *Energy and Environmental Science*, **2016**, 9, 2789-2793	35.4	386
194	Two-dimensional soft nanomaterials: a fascinating world of materials. *Advanced Materials*, **2015**, 27, 403-27	24	374
193	Low-temperature synthesis of nitrogen/sulfur co-doped three-dimensional graphene frameworks as efficient metal-free electrocatalyst for oxygen reduction reaction. *Carbon*, **2013**, 62, 296-301	10.4	374
192	Conjugated-polymer-functionalized graphene oxide: synthesis and nonvolatile rewritable memory effect. *Advanced Materials*, **2010**, 22, 1731-5	24	359
191	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. *Journal of the American Chemical Society*, **2020**, 142, 2404-2412	16.4	317
190	Interface Engineering of MoS2/Ni3S2 Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. *Angewandte Chemie*, **2016**, 128, 6814-6819	3.6	315
189	Nitrogen-Doped Porous Carbon Superstructures Derived from Hierarchical Assembly of Polyimide Nanosheets. *Advanced Materials*, **2016**, 28, 1981-7	24	313
188	Molybdenum Carbide-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Electrocatalysts for Water Splitting in Alkaline Media. *ACS Nano*, **2017**, 11, 3933-3942	16.7	302
187	Efficient alkaline hydrogen evolution on atomically dispersed Ni–Nx Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. *Energy and Environmental Science*, **2019**, 12, 149-156	35.4	299
186	Flexible All-Solid-State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. *Advanced Energy Materials*, **2017**, 7, 1601847	21.8	298
185	Atomically dispersed nickel-nitrogen-sulfur species anchored on porous carbon nanosheets for efficient water oxidation. *Nature Communications*, **2019**, 10, 1392	17.4	280

184	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. *Chemical Society Reviews*, **2018**, 47, 7426-7451	58.5	270
183	Porous carbon nanosheets: Synthetic strategies and electrochemical energy related applications. *Nano Today*, **2019**, 24, 103-119	17.9	241
182	Vertically Aligned MoS2 Nanosheets Patterned on Electrochemically Exfoliated Graphene for High-Performance Lithium and Sodium Storage. *Advanced Energy Materials*, **2018**, 8, 1702254	21.8	234
181	A two-dimensional conjugated polymer framework with fully sp2-bonded carbon skeleton. *Polymer Chemistry*, **2016**, 7, 4176-4181	4.9	222
180	Graphene and its derivatives: switching ON and OFF. *Chemical Society Reviews*, **2012**, 41, 4688-707	58.5	219
179	Integrated Hierarchical Cobalt Sulfide/Nickel Selenide Hybrid Nanosheets as an Efficient Three-dimensional Electrode for Electrochemical and Photoelectrochemical Water Splitting. *Nano Letters*, **2017**, 17, 4202-4209	11.5	216
178	Nitrogen-Doped Carbon Nanosheets with Size-Defined Mesopores as Highly Efficient Metal-Free Catalyst for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2014**, 126, 1596-1600	3.6	208
177	Graphene coupled Schiff-base porous polymers: towards nitrogen-enriched porous carbon nanosheets with ultrahigh electrochemical capacity. *Advanced Materials*, **2014**, 26, 3081-6	24	207
176	Scalable Fabrication and Integration of Graphene Microsupercapacitors through Full Inkjet Printing. *ACS Nano*, **2017**, 11, 8249-8256	16.7	204
175	Two-dimensional sandwich-type, graphene-based conjugated microporous polymers. *Angewandte Chemie - International Edition*, **2013**, 52, 9668-72	16.4	194
174	Ternary Porous Cobalt Phosphoselenide Nanosheets: An Efficient Electrocatalyst for Electrocatalytic and Photoelectrochemical Water Splitting. *Advanced Materials*, **2017**, 29, 1701589	24	192
173	Sulfur-Enriched Conjugated Polymer Nanosheet Derived Sulfur and Nitrogen co-Doped Porous Carbon Nanosheets as Electrocatalysts for Oxygen Reduction Reaction and Zinc–Air Battery. *Advanced Functional Materials*, **2016**, 26, 5893-5902	15.6	189
172	Synergetic Contribution of Boron and Fe–Nx Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. *ACS Energy Letters*, **2018**, 3, 252-260	20.1	184
171	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
170	Conjugated microporous polymers with dimensionality-controlled heterostructures for green energy devices. *Advanced Materials*, **2015**, 27, 3789-96	24	176
169	Zn-Ion Hybrid Micro-Supercapacitors with Ultrahigh Areal Energy Density and Long-Term Durability. *Advanced Materials*, **2019**, 31, e1806005	24	168
168	A Nitrogen-Rich 2D sp -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2019**, 58, 849-853	16.4	164
167	Metal-Phosphide-Containing Porous Carbons Derived from an Ionic-Polymer Framework and Applied as Highly Efficient Electrochemical Catalysts for Water Splitting. *Advanced Functional Materials*, **2015**, 25, 3899-3906	15.6	159

166	Immobilizing Molecular Metal Dithiolene-Diamine Complexes on 2D Metal-Organic Frameworks for Electrocatalytic H Production. *Chemistry - A European Journal*, **2017**, 23, 2255-2260	4.8	154
165	Toward a molecular design of porous carbon materials. *Materials Today*, **2017**, 20, 592-610	21.8	146
164	Atomic Ni Anchored Covalent Triazine Framework as High Efficient Electrocatalyst for Carbon Dioxide Conversion. *Advanced Functional Materials*, **2019**, 29, 1806884	15.6	139
163	Efficient Electrochemical and Photoelectrochemical Water Splitting by a 3D Nanostructured Carbon Supported on Flexible Exfoliated Graphene Foil. *Advanced Materials*, **2017**, 29, 1604480	24	139
162	In Situ Coupling Strategy for the Preparation of FeCo Alloys and Co N Hybrid for Highly Efficient Oxygen Evolution. *Advanced Materials*, **2017**, 29, 1704091	24	136
161	Compact coupled graphene and porous polyaryltriazine-derived frameworks as high performance cathodes for lithium-ion batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 1812-6	16.4	125
160	Stimulus-Responsive Micro-Supercapacitors with Ultrahigh Energy Density and Reversible Electrochromic Window. *Advanced Materials*, **2017**, 29, 1604491	24	122
159	Dual-Template Synthesis of 2D Mesoporous Polypyrrole Nanosheets with Controlled Pore Size. *Advanced Materials*, **2016**, 28, 8365-8370	24	119
158	Polyaniline nanosheet derived B/N co-doped carbon nanosheets as efficient metal-free catalysts for oxygen reduction reaction. *Journal of Materials Chemistry A*, **2014**, 2, 7742	13	118
157	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2016**, 55, 6858-63	16.4	111
156	Coordination Polymer Framework Based On-Chip Micro-Supercapacitors with AC Line-Filtering Performance. *Angewandte Chemie - International Edition*, **2017**, 56, 3920-3924	16.4	110
155	Substantial Cyano-Substituted Fully sp2-Carbon-Linked Framework: Metal-Free Approach and Visible-Light-Driven Hydrogen Evolution. *Advanced Functional Materials*, **2017**, 27, 1703146	15.6	109
154	Bistable electrical switching and electronic memory effect in a solution-processable graphene oxide-donor polymer complex. *Applied Physics Letters*, **2009**, 95, 253301	3.4	106
153	Ladder-type BN-embedded heteroacenes with blue emission. *Organic Letters*, **2013**, 15, 5714-7	6.2	103
152	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1-Functionalized Poly (N-vinylcarbazole) Film via Solution-Phase Self-Assembly. *Advanced Functional Materials*, **2010**, 20, 2916-2922	15.6	102
151	Carbon nanotube-based functional materials for optical limiting. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 1268-83	1.3	93
150	Quantitative Control of Pore Size of Mesoporous Carbon Nanospheres through the Self-Assembly of Diblock Copolymer Micelles in Solution. *Small*, **2016**, 12, 3155-63	11	92
149	Two-Dimensional Porous Polymers: From Sandwich-like Structure to Layered Skeleton. *Accounts of Chemical Research*, **2018**, 51, 3191-3202	24.3	88

148	Viologen-inspired functional materials: synthetic strategies and applications. *Journal of Materials Chemistry A*, **2019**, 7, 23337-23360	13	87
147	Iridium nanoparticles anchored on 3D graphite foam as a bifunctional electrocatalyst for excellent overall water splitting in acidic solution. *Nano Energy*, **2017**, 40, 27-33	17.1	87
146	Polyfluorene-Based Push–Pull Type Functional Materials for Write-Once-Read-Many-Times Memory Devices. *Chemistry of Materials*, **2010**, 22, 4455-4461	9.6	87
145	Self-Activating, Capacitive Anion Intercalation Enables High-Power Graphite Cathodes. *Advanced Materials*, **2018**, 30, e1800533	24	86
144	Recent Advances in Earth-Abundant Heterogeneous Electrocatalysts for Photoelectrochemical Water Splitting. *Small Methods*, **2017**, 1, 1700090	12.8	85
143	Graphene and its derivatives for laser protection. *Progress in Materials Science*, **2016**, 84, 118-157	42.2	85
142	Poly(N-vinylcarbazole) chemically modified graphene oxide. *Journal of Polymer Science Part A*, **2010**, 48, 2642-2649	2.5	83
141	Synthesis and self-assembly of tadpole-shaped organic/inorganic hybrid poly(N-isopropylacrylamide) containing polyhedral oligomeric silsesquioxane via RAFT polymerization. *Journal of Polymer Science Part A*, **2008**, 46, 7049-7061	2.5	74
140	Two-Dimensional Mesoscale-Ordered Conducting Polymers. *Angewandte Chemie - International Edition*, **2016**, 55, 12516-21	16.4	74
139	Nitrogen-enriched, ordered mesoporous carbons for potential electrochemical energy storage. *Journal of Materials Chemistry A*, **2016**, 4, 2286-2292	13	73
138	Graphene-directed two-dimensional porous carbon frameworks for high-performance lithium–sulfur battery cathodes. *Journal of Materials Chemistry A*, **2016**, 4, 314-320	13	72
137	Efficient approach to iron/nitrogen co-doped graphene materials as efficient electrochemical catalysts for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2015**, 3, 7767-7772	13	70
136	Graphene-Coupled Flower-Like Ni3S2 for a Free-Standing 3D Aerogel with an Ultra-High Electrochemical Capacity. *Electrochimica Acta*, **2016**, 191, 705-715	6.7	70
135	WS-Graphite Dual-Ion Batteries. *Nano Letters*, **2018**, 18, 7155-7164	11.5	68
134	Silicon anodes protected by a nitrogen-doped porous carbon shell for high-performance lithium-ion batteries. *Nanoscale*, **2017**, 9, 8871-8878	7.7	63
133	Charm-bracelet-type poly(N-vinylcarbazole) functionalized with reduced graphene oxide for broadband optical limiting. *Chemistry - A European Journal*, **2011**, 17, 780-5	4.8	63
132	A Novel Heterostructure Based on RuMo Nanoalloys and N-doped Carbon as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. *Advanced Materials*, **2020**, 32, e2005433	24	62
131	Hierarchical-graphene-coupled polyaniline aerogels for electrochemical energy storage. *Carbon*, **2018**, 127, 77-84	10.4	59

130	Recent Advances in RAFT Polymerization: Novel Initiation Mechanisms and Optoelectronic Applications. *Polymers*, **2018**, 10,	4.5	58
129	Thermoswitchable on-chip microsupercapacitors: one potential self-protection solution for electronic devices. *Energy and Environmental Science*, **2018**, 11, 1717-1722	35.4	55
128	Highly Efficient Electrocatalysts for Oxygen Reduction Reaction Based on 1D Ternary Doped Porous Carbons Derived from Carbon Nanotube Directed Conjugated Microporous Polymers. *Advanced Functional Materials*, **2016**, 26, 8255-8265	15.6	55
127	Redox gated polymer memristive processing memory unit. *Nature Communications*, **2019**, 10, 736	17.4	55
126	Dual-Graphene Rechargeable Sodium Battery. *Small*, **2017**, 13, 1702449	11	53
125	Boron, nitrogen, and phosphorous ternary doped graphene aerogel with hierarchically porous structures as highly efficient electrocatalysts for oxygen reduction reaction. *New Journal of Chemistry*, **2016**, 40, 6022-6029	3.6	51
124	Charge Transfer Salt and Graphene Heterostructure-Based Micro-Supercapacitors with Alternating Current Line-Filtering Performance. *Small*, **2019**, 15, e1901494	11	50
123	The art of two-dimensional soft nanomaterials. *Science China Chemistry*, **2019**, 62, 1145-1193	7.9	49
122	2D polyacrylonitrile brush derived nitrogen-doped carbon nanosheets for high-performance electrocatalysts in oxygen reduction reaction. *Polymer Chemistry*, **2014**, 5, 2057-2064	4.9	49
121	Metal-nitrogen doping of mesoporous carbon/graphene nanosheets by self-templating for oxygen reduction electrocatalysts. *ChemSusChem*, **2014**, 7, 3002-6	8.3	49
120	New nitrogen-rich azo-bridged porphyrin-conjugated microporous networks for high performance of gas capture and storage. *RSC Advances*, **2016**, 6, 30048-30055	3.7	48
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118	Long-lived charge-separated configuration of a push-pull archetype of Disperse Red 1 end-capped poly[9,9-bis(4-diphenylaminophenyl)fluorene]. *Journal of the American Chemical Society*, **2009**, 131, 6370-1	16.4	48
117	Nitrogen-enriched hierarchically porous carbon materials fabricated by graphene aerogel templated Schiff-base chemistry for high performance electrochemical capacitors. *Polymer Chemistry*, **2015**, 6, 1088-1095	4.9	46
116	A Dual-Stimuli-Responsive Sodium-Bromine Battery with Ultrahigh Energy Density. *Advanced Materials*, **2018**, 30, e1800028	24	46
115	Multi-walled carbon nanotubes covalently functionalized with polyhedral oligomeric silsesquioxanes for optical limiting. *Carbon*, **2010**, 48, 1738-1742	10.4	45
114	Thermally stable polymer memory devices based on a □onjugated triad. *Applied Physics Letters*, **2008**, 92, 143302	3.4	45
113	Interfacial Approach toward Benzene-Bridged Polypyrrole Film□Based Micro-Supercapacitors with Ultrahigh Volumetric Power Density. *Advanced Functional Materials*, **2020**, 30, 1908243	15.6	45

112	Angular BN-Heteroacenes with syn-Structure-Induced Promising Properties as Host Materials of Blue Organic Light-Emitting Diodes. *Organic Letters*, **2016**, 18, 3618-21	6.2	43
111	Two-Dimensional Sandwich-Type, Graphene-Based Conjugated Microporous Polymers. *Angewandte Chemie*, **2013**, 125, 9850-9854	3.6	43
110	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. *Nano Energy*, **2019**, 59, 207-215	17.1	42
109	Aromatic azaheterocycle-cored luminogens with tunable physical properties via nitrogen atoms for sensing strong acids. *Journal of Materials Chemistry C*, **2016**, 4, 7640-7648	7.1	42
108	Self-Assembly of Integrated Tubular Microsupercapacitors with Improved Electrochemical Performance and Self-Protective Function. *ACS Nano*, **2019**, 13, 8067-8075	16.7	41
107	Rational synthesis of N/S-doped porous carbons as high efficient electrocatalysts for oxygen reduction reaction and Zn-Air batteries. *Electrochimica Acta*, **2018**, 266, 17-26	6.7	39
106	Synthesis and Properties of C(2h)-Symmetric BN-Heteroacenes Tailored through Aromatic Central Cores. *Journal of Organic Chemistry*, **2015**, 80, 10127-33	4.2	37
105	Hypercrosslinked porous polymer nanosheets: 2D RAFT agent directed emulsion polymerization for multifunctional applications. *Polymer Chemistry*, **2015**, 6, 7171-7178	4.9	37
104	Supramolecular Zinc Phthalocyanine–Perylene Bisimide Triad: Synthesis and Photophysical Properties. *Journal of Physical Chemistry C*, **2007**, 111, 16096-16099	3.8	37
103	Nano-sandwiched metal hexacyanoferrate/graphene hybrid thin films for in-plane asymmetric micro-supercapacitors with ultrahigh energy density. *Materials Horizons*, **2019**, 6, 1041-1049	14.4	37
102	Cobaloxime anchored MoS2 nanosheets as electrocatalysts for the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2018**, 6, 138-144	13	37
101	A dual-boron-cored luminogen capable of sensing and imaging. *Chemical Communications*, **2015**, 51, 5298-301	6.1	35
100	BN-heteroacene-cored luminogens with dual channel detection for fluoride anions. *Journal of Materials Chemistry C*, **2016**, 4, 1159-1164	7.1	33
99	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. *Polymer Chemistry*, **2014**, 5, 2010-2017	4.9	32
98	Triple Boron-Cored Chromophores Bearing Discotic 5,11,17-Triazatrinaphthylene-Based Ligands. *Organic Letters*, **2016**, 18, 1398-401	6.2	31
97	Enhancement of optical limiting response by embedding gallium phthalocyanine into polymer host. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 189, 414-417	4.7	31
96	Preparation and characterization of organic/inorganic hybrid polymers containing polyhedral oligomeric silsesquioxane via RAFT polymerization. *Reactive and Functional Polymers*, **2009**, 69, 124-129	4.6	30
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94	Two-dimensional organic cathode materials for alkali-metal-ion batteries. *Journal of Energy Chemistry*, **2018**, 27, 86-98	12	29
93	Graphene-coupled nitrogen-enriched porous carbon nanosheets for energy storage. *Journal of Materials Chemistry A*, **2017**, 5, 16732-16739	13	28
92	Cross-linked polymer-derived B/N co-doped carbon materials with selective capture of CO2. *Journal of Materials Chemistry A*, **2015**, 3, 23352-23359	13	27
91	2D Heterostructures Derived from MoS2-Templated, Cobalt-Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. *ChemElectroChem*, **2017**, 4, 709-715	4.3	26
90	A room-temperature interfacial approach towards iron/nitrogen co-doped fibrous porous carbons as electrocatalysts for the oxygen reduction reaction and Zn-Air batteries. *Nanoscale*, **2019**, 11, 10257-10265	7.7	26
89	Supercapacitors with alternating current line-filtering performance. *BMC Materials*, **2020**, 2,	6.7	25
88	One-pot approach to Pd-loaded porous polymers with properties tunable by the oxidation state of the phosphorus core. *Polymer Chemistry*, **2015**, 6, 6351-6357	4.9	24
87	Efficient synthesis and physical properties of novel H-shaped 2,3,7,8-tetraazaanthracene-based conjugated molecules. *Chemical Communications*, **2012**, 48, 4166-8	5.8	24
86	BODIPY-based conjugated polymer covalently grafted reduced graphene oxide for flexible nonvolatile memory devices. *Carbon*, **2017**, 116, 713-721	10.4	23
85	Hollow-structured conjugated porous polymer derived Iron/Nitrogen-codoped hierarchical porous carbons as highly efficient electrocatalysts. *Journal of Colloid and Interface Science*, **2017**, 497, 108-116	9.3	23
84	Multiwalled carbon nanotubes covalently functionalized with poly(N-vinylcarbazole) via RAFT polymerization: Synthesis and nonliner optical properties. *Journal of Polymer Science Part A*, **2010**, 48, 3161-3168	2.5	23
83	Silicon-Compatible Carbon-Based Micro-Supercapacitors. *Angewandte Chemie - International Edition* , **2016**, 55, 6136-8	16.4	23
82	Coordination Polymer Framework Based On-Chip Micro-Supercapacitors with AC Line-Filtering Performance. *Angewandte Chemie*, **2017**, 129, 3978-3982	3.6	21
81	2D Porous Polymers with sp2-Carbon Connections and Sole sp2-Carbon Skeletons. *Advanced Functional Materials*, **2020**, 30, 2000857	15.6	21
80	Synthesis and photoinduced electron-transfer process of a novel triphenylamine-substituted polyfluorene-C60 triad. *Chemistry - A European Journal*, **2007**, 13, 1709-14	4.8	21
79	Azulene-Based Molecules, Polymers, and Frameworks for Optoelectronic and Energy Applications. *Small Methods*, **2020**, 4, 2000628	12.8	21
78	An interfacial engineering approach towards two-dimensional porous carbon hybrids for high performance energy storage and conversion. *Journal of Materials Chemistry A*, **2017**, 5, 1567-1574	13	20
77	Efficient approach to electron-deficient 1,2,7,8-tetraazaperylene derivatives. *Organic Letters*, **2014**, 16, 4726-9	6.2	20

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75	Template-directed approach to two-dimensional molybdenum phosphide/carbon nanocomposites with high catalytic activities in the hydrogen evolution reaction. *New Journal of Chemistry*, **2016**, 40, 6015-6021	3.6	20
74	Pyrolyzed Triazine-Based Nanoporous Frameworks Enable Electrochemical CO Reduction in Water. *ACS Applied Materials & Interfaces*, **2018**, 10, 43588-43594	9.5	20
73	High-index faceted binary-metal selenide nanosheet arrays as efficient 3D electrodes for alkaline hydrogen evolution. *Nanoscale*, **2019**, 11, 17571-17578	7.7	19
72	Vacancy modification of Prussian-blue nano-thin films for high energy-density micro-supercapacitors with ultralow RC time constant. *Nano Energy*, **2019**, 60, 8-16	17.1	19
71	Resistance-Switchable Graphene Oxide/Polymer Nanocomposites for Molecular Electronics. *ChemElectroChem*, **2014**, 1, 514-519	4.3	19
70	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. *Angewandte Chemie*, **2016**, 128, 6972-6977	3.6	19
69	Anionic porous polymers with tunable structures and catalytic properties. *Journal of Materials Chemistry A*, **2016**, 4, 15162-15168	13	19
68	Interactions and Translational Dynamics of Phosphatidylinositol Bisphosphate (PIP2) Lipids in Asymmetric Lipid Bilayers. *Langmuir*, **2016**, 32, 1732-41	4	18
67	Sulfur-anchored azulene as a cathode material for Li-S batteries. *Chemical Communications*, **2019**, 55, 9047-9050	5.8	18
66	Ultrasound-assisted bulk synthesis of Cds-PVK nanocomposites via RAFT polymerization. *Journal of Polymer Science Part A*, **2008**, 46, 5702-5707	2.5	18
65	Viologen-bridged polyaniline based multifunctional heterofilms for all-solid-state supercapacitors and memory devices. *European Polymer Journal*, **2018**, 98, 125-136	5.2	17
64	A highly soluble polyhedral oligomeric silsesquioxane end-capped perylenediimide dye. *New Journal of Chemistry*, **2010**, 34, 1120	3.6	16
63	Carbon nanosheets supporting NiN3S single-atom sites for efficient electrocatalytic CO2 reduction. *Carbon*, **2021**, 178, 488-496	10.4	16
62	Viologen-Hypercrosslinked Ionic Porous Polymer Films as Active Layers for Electronic and Energy Storage Devices. *Advanced Materials Interfaces*, **2018**, 5, 1701679	4.6	15
61	B/N-Enriched Semi-Conductive Polymer Film for Micro-Supercapacitors with AC Line-Filtering Performance. *Langmuir*, **2021**, 37, 2523-2531	4	15
60	Cobalt/nitrogen co-doped porous carbon nanosheets as highly efficient catalysts for the oxygen reduction reaction in both basic and acidic media. *RSC Advances*, **2016**, 6, 82341-82347	3.7	14
59	Optimizing Microenvironment of Asymmetric N,S-Coordinated Single-Atom Fe via Axial Fifth Coordination toward Efficient Oxygen Electroreduction. *Small*, **2021**, e2105387	11	14

58	Sulfur-doped porous carbon nanosheets as high performance electrocatalysts for PhotoFuelCells. *RSC Advances*, **2015**, 5, 27953-27963	3.7	13
57	Two-Dimensional Mesoscale-Ordered Conducting Polymers. *Angewandte Chemie*, **2016**, 128, 12704-12709	3.6	13
56	Toward Activity Origin of Electrocatalytic Hydrogen Evolution Reaction on Carbon-Rich Crystalline Coordination Polymers. *Small*, **2017**, 13, 1700783	11	13
55	Precise Control of Electron Magnetism in Metal-Free Porphyrins. *Journal of the American Chemical Society*, **2020**, 142, 18532-18540	16.4	13
54	Hydrodeoxygenation of butyric acid at multi-functional Nb2O5 catalyst: A density functional theory study. *International Journal of Hydrogen Energy*, **2016**, 41, 18502-18508	6.7	12
53	Quinone-Enriched Conjugated Microporous Polymer as an Organic Cathode for Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 9064-9073	9.5	12
52	Azulene-bridged coordinated framework based quasi-molecular rectifier. *Journal of Materials Chemistry C*, **2017**, 5, 2223-2229	7.1	11
51	Enhanced Antifouling and Anticorrosion Properties of Stainless Steel by Biomimetic Anchoring PEGDMA-Cross-Linking Polycationic Brushes. *Industrial & Engineering Chemistry Research*, **2019**, 58, 7107-7119	3.9	11
50	Viologen-based conjugated ionic polymer for nonvolatile rewritable memory device. *European Polymer Journal*, **2017**, 94, 222-229	5.2	11
49	One-pot Synthesis of Soluble Nanoscale CIGS Photoactive Functional Materials. *Nanoscale Research Letters*, **2007**, 3, 21-4	5	11
48	In Situ Synthesis and Characterization of Poly(aryleneethynylene)-Grafted Reduced Graphene Oxide. *Chemistry - A European Journal*, **2016**, 22, 2247-52	4.8	11
47	Polymer nanosheets derived porous carbon nanosheets as high efficient electrocatalysts for oxygen reduction reaction. *Journal of Colloid and Interface Science*, **2018**, 516, 9-15	9.3	10
46	Tuning the mobility coupling of quaternized polyvinylpyridine and anionic phospholipids in supported lipid bilayers. *Langmuir*, **2015**, 31, 1784-91	4	10
45	Carbon-Enriched meso-Entropy Materials: from Theory to Cases. *Acta Chimica Sinica*, **2020**, 78, 833	3.3	10
44	Catechol-Coordinated Framework Film-based Micro-Supercapacitors with AC Line Filtering Performance. *Chemistry - A European Journal*, **2021**, 27, 6340-6347	4.8	10
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42	Polyarylether-Based 2D Covalent-Organic Frameworks with In-Plane D-A Structures and Tunable Energy Levels for Energy Storage.. *Advanced Science*, **2021**, e2104898	13.6	9
41	Inkjet Printed Disposable High-Rate On-Paper Microsupercapacitors. *Advanced Functional Materials*, **2022**, 32, 2108773	15.6	8

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