

# Xiao-Dong Zhuang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	N-confused porphyrin-based conjugated microporous polymers.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	1
200	Boosting the electronic and catalytic properties of 2D semiconductors with supramolecular 2D hydrogen-bonded superlattices.. <i>Nature Communications</i> , <b>2022</b> , 13, 510	17.4	6
199	Inkjet Printed Disposable High-Rate On-Paper Microsupercapacitors. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2108773	15.6	8
198	Simultaneously Integrate Iron Single Atom and Nanocluster Triggered Tandem Effect for Boosting Oxygen Electroreduction.. <i>Small</i> , <b>2022</b> , e2107225	11	5
197	Supramolecular Proton Conductors Self-Assembled by Organic Cages.. <i>Jacs Au</i> , <b>2022</b> , 2, 819-826		4
196	Porphyritic conjugated microporous polymer anode for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2022</b> , 531, 231340	8.9	1
195	Copper-involved highly efficient oxygen reduction reaction in both alkaline and acidic media. <i>Chemical Engineering Journal</i> , <b>2022</b> , 437, 135377	14.7	2
194	Polyarylether-Based 2D Covalent-Organic Frameworks with In-Plane D-A Structures and Tunable Energy Levels for Energy Storage.. <i>Advanced Science</i> , <b>2021</b> , e2104898	13.6	9
193	Interfacial synthesis of crystalline quasi-two-dimensional polyaniline thin films for high-performance flexible on-chip micro-supercapacitors. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	2
192	Optimizing Microenvironment of Asymmetric N,S-Coordinated Single-Atom Fe via Axial Fifth Coordination toward Efficient Oxygen Electroreduction. <i>Small</i> , <b>2021</b> , e2105387	11	14
191	Chemically Stable Polyarylether-Based Metallophthalocyanine Frameworks with High Carrier Mobilities for Capacitive Energy Storage. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17701-17707	16.4	7
190	A class of organic cages featuring twin cavities. <i>Nature Communications</i> , <b>2021</b> , 12, 6124	17.4	2
189	Mass Transport Behaviors in Graphene and Polyaniline HeterostructureBased Microsupercapacitors. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100006	1.6	0
188	Perovskite oxide and polyazuleneBased heterostructure for highperformance supercapacitors. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 51198	2.9	4
187	Carbon nanosheets supporting Ni <sub>3</sub> S <sub>2</sub> single-atom sites for efficient electrocatalytic CO <sub>2</sub> reduction. <i>Carbon</i> , <b>2021</b> , 178, 488-496	10.4	16
186	Self-Assembly Approach Towards MoS <sub>2</sub> -Embedded Hierarchical Porous Carbons for Enhanced Electrocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 2155-2164	4.8	1
185	The philosophy of carbon: meso-entropy materials. <i>Faraday Discussions</i> , <b>2021</b> , 227, 80-90	3.6	8

184	Topological defect-containing Fe/N co-doped mesoporous carbon nanosheets as novel electrocatalysts for the oxygen reduction reaction and Zn-air batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 13249-13255	7.7	1
183	2D materials production and generation of functional inks: general discussion. <i>Faraday Discussions</i> , <b>2021</b> , 227, 141-162	3.6	2
182	Regulating the Spin State of Nickel in Molecular Catalysts for Boosting Carbon Dioxide Reduction. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2891-2898	6.1	5
181	Recovered Carbon from Coal Gasification Fine Slag as Electrocatalyst for Oxygen Reduction Reaction and Zinc-Air Battery. <i>Energy Technology</i> , <b>2021</b> , 9, 2000890	3.5	3
180	Quinone-Enriched Conjugated Microporous Polymer as an Organic Cathode for Li-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 9064-9073	9.5	12
179	B/N-Enriched Semi-Conductive Polymer Film for Micro-Supercapacitors with AC Line-Filtering Performance. <i>Langmuir</i> , <b>2021</b> , 37, 2523-2531	4	15
178	Rational Control of Topological Defects in Porous Carbon for High-Efficiency Carbon Dioxide Conversion. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100051	4.6	3
177	A Terpyridine-Fe-Based Coordination Polymer Film for On-Chip Micro-Supercapacitor with AC Line-Filtering Performance. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
176	Catechol-Coordinated Framework Film-based Micro-Supercapacitors with AC Line Filtering Performance. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6340-6347	4.8	10
175	Tungsten Oxide/Reduced Graphene Oxide Aerogel with Low-Content Platinum as High-Performance Electrocatalyst for Hydrogen Evolution Reaction. <i>Small</i> , <b>2021</b> , 17, e2102159	11	4
174	Poly(2-aminoazulene) Filler-Improved PEO-Based Electrolyte for Highly Stable Solid-State Li-Metal Batteries. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 090545	3.9	1
173	High-entropy carbons: From high-entropy aromatic species to single-atom catalysts for electrocatalysis. <i>Chemical Engineering Journal</i> , <b>2021</b> , 426, 131320	14.7	6
172	Supercapacitors with alternating current line-filtering performance. <i>BMC Materials</i> , <b>2020</b> , 2,	6.7	25
171	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
170	Platinum Atoms and Nanoparticles Embedded Porous Carbons for Hydrogen Evolution Reaction. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
169	2D Porous Polymers with sp <sup>2</sup> -Carbon Connections and Sole sp <sup>2</sup> -Carbon Skeletons. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000857	15.6	21
168	Carbon-Enriched meso-Entropy Materials: from Theory to Cases. <i>Acta Chimica Sinica</i> , <b>2020</b> , 78, 833	3.3	10
167	Interfacial Approach toward Benzene-Bridged Polypyrrole Film-Based Micro-Supercapacitors with Ultrahigh Volumetric Power Density. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908243	15.6	45

- 166 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
- 165 Ionic Polyimide Derived Porous Carbon Nanosheets as High-Efficiency Oxygen Reduction Catalysts for Zn-Air Batteries. *Chemistry - A European Journal*, **2020**, 26, 6525-6534 4.8 8
- 164 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
- 163 Azulene-Based Molecules, Polymers, and Frameworks for Optoelectronic and Energy Applications. *Small Methods*, **2020**, 4, 2000628 12.8 21
- 162 Precise Control of  $\pi$ -Electron Magnetism in Metal-Free Porphyrins. *Journal of the American Chemical Society*, **2020**, 142, 18532-18540 16.4 13
- 161 Iron clusters boosted performance in electrocatalytic carbon dioxide conversion. *Journal of Materials Chemistry A*, **2020**, 8, 21661-21667 13 6
- 160 High-index faceted binary-metal selenide nanosheet arrays as efficient 3D electrodes for alkaline hydrogen evolution. *Nanoscale*, **2019**, 11, 17571-17578 7.7 19
- 159 Atomic Ni Anchored Covalent Triazine Framework as High Efficient Electrocatalyst for Carbon Dioxide Conversion. *Advanced Functional Materials*, **2019**, 29, 1806884 15.6 139
- 158 The art of two-dimensional soft nanomaterials. *Science China Chemistry*, **2019**, 62, 1145-1193 7.9 49
- 157 Charge Transfer Salt and Graphene Heterostructure-Based Micro-Supercapacitors with Alternating Current Line-Filtering Performance. *Small*, **2019**, 15, e1901494 11 50
- 156 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
- 155 Viologen-inspired functional materials: synthetic strategies and applications. *Journal of Materials Chemistry A*, **2019**, 7, 23337-23360 13 87
- 154 Atomically dispersed nickel-nitrogen-sulfur species anchored on porous carbon nanosheets for efficient water oxidation. *Nature Communications*, **2019**, 10, 1392 17.4 280
- 153 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
- 152 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
- 151 In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. *Nano Energy*, **2019**, 59, 207-215 17.1 42
- 150 Efficient alkaline hydrogen evolution on atomically dispersed Ni<sub>N</sub>x Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. *Energy and Environmental Science*, **2019**, 12, 149-156 35.4 299
- 149 Sulfur-anchored azulene as a cathode material for Li-S batteries. *Chemical Communications*, **2019**, 55, 9047-9050 5.8 18

148	Self-Assembly of Integrated Tubular Microsupercapacitors with Improved Electrochemical Performance and Self-Protective Function. <i>ACS Nano</i> , <b>2019</b> , 13, 8067-8075	16.7	41
147	Nano-sandwiched metal hexacyanoferrate/graphene hybrid thin films for in-plane asymmetric micro-supercapacitors with ultrahigh energy density. <i>Materials Horizons</i> , <b>2019</b> , 6, 1041-1049	14.4	37
146	Redox gated polymer memristive processing memory unit. <i>Nature Communications</i> , <b>2019</b> , 10, 736	17.4	55
145	Porous carbon nanosheets: Synthetic strategies and electrochemical energy related applications. <i>Nano Today</i> , <b>2019</b> , 24, 103-119	17.9	241
144	Zn-Ion Hybrid Micro-Supercapacitors with Ultrahigh Areal Energy Density and Long-Term Durability. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806005	24	168
143	A Nitrogen-Rich 2D sp <sup>2</sup> -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 849-853	16.4	164
142	Viologen-Hypercrosslinked Ionic Porous Polymer Films as Active Layers for Electronic and Energy Storage Devices. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701679	4.6	15
141	Thermoswitchable on-chip microsupercapacitors: one potential self-protection solution for electronic devices. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 1717-1722	35.4	55
140	Self-Activating, Capacitive Anion Intercalation Enables High-Power Graphite Cathodes. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800533	24	86
139	Rational synthesis of N/S-doped porous carbons as high efficient electrocatalysts for oxygen reduction reaction and Zn-Air batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 266, 17-26	6.7	39
138	Accelerated Hydrogen Evolution Kinetics on NiFe-Layered Double Hydroxide Electrocatalysts by Tailoring Water Dissociation Active Sites. <i>Advanced Materials</i> , <b>2018</b> , 30, 1706279	24	390
137	Synergetic Contribution of Boron and Fe <sub>x</sub> Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 252-260	20.1	184
136	Polymer nanosheets derived porous carbon nanosheets as high efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 516, 9-15	9.3	10
135	A Dual-Stimuli-Responsive Sodium-Bromine Battery with Ultrahigh Energy Density. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800028	24	46
134	Hierarchical-graphene-coupled polyaniline aerogels for electrochemical energy storage. <i>Carbon</i> , <b>2018</b> , 127, 77-84	10.4	59
133	S-enriched porous polymer derived N-doped porous carbons for electrochemical energy storage and conversion. <i>Frontiers of Chemical Science and Engineering</i> , <b>2018</b> , 12, 346-357	4.5	5
132	Recent Advances in RAFT Polymerization: Novel Initiation Mechanisms and Optoelectronic Applications. <i>Polymers</i> , <b>2018</b> , 10,	4.5	58
131	Vertically Aligned MoS <sub>2</sub> Nanosheets Patterned on Electrochemically Exfoliated Graphene for High-Performance Lithium and Sodium Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702254	21.8	234

130	Two-dimensional organic cathode materials for alkali-metal-ion batteries. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 86-98	12	29
129	Viologen-bridged polyaniline based multifunctional heterofilms for all-solid-state supercapacitors and memory devices. <i>European Polymer Journal</i> , <b>2018</b> , 98, 125-136	5.2	17
128	Cobaloxime anchored MoS <sub>2</sub> nanosheets as electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 138-144	13	37
127	Two-Dimensional Porous Polymers: From Sandwich-like Structure to Layered Skeleton. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 3191-3202	24.3	88
126	A Nitrogen-Rich 2D sp <sup>2</sup> -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2018</b> , 131, 859	3.6	2
125	Pyrolyzed Triazine-Based Nanoporous Frameworks Enable Electrochemical CO Reduction in Water. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43588-43594	9.5	20
124	Cobalt-Doped Porous Carbon Nanosheets Derived from 2D Hypercrosslinked Polymer with CoN <sub>2</sub> for High Performance Electrochemical Capacitors. <i>Polymers</i> , <b>2018</b> , 10,	4.5	10
123	WS-Graphite Dual-Ion Batteries. <i>Nano Letters</i> , <b>2018</b> , 18, 7155-7164	11.5	68
122	Designing Porous Structures and Active Sites in Carbon-Based Electrocatalysts <b>2018</b> , 77-99		
121	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 7426-7451	58.5	270
120	Azulene-bridged coordinated framework based quasi-molecular rectifier. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 2223-2229	7.1	11
119	2D Heterostructures Derived from MoS <sub>2</sub> -Templated, Cobalt-Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. <i>ChemElectroChem</i> , <b>2017</b> , 4, 709-715	4.3	26
118	BODIPY-based conjugated polymer covalently grafted reduced graphene oxide for flexible nonvolatile memory devices. <i>Carbon</i> , <b>2017</b> , 116, 713-721	10.4	23
117	Hollow-structured conjugated porous polymer derived Iron/Nitrogen-codoped hierarchical porous carbons as highly efficient electrocatalysts. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 497, 108-116	9.3	23
116	Coordination Polymer Framework Based On-Chip Micro-Supercapacitors with AC Line-Filtering Performance. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3978-3982	3.6	21
115	Coordination Polymer Framework Based On-Chip Micro-Supercapacitors with AC Line-Filtering Performance. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3920-3924	16.4	110
114	Recent Advances in Earth-Abundant Heterogeneous Electrocatalysts for Photoelectrochemical Water Splitting. <i>Small Methods</i> , <b>2017</b> , 1, 1700090	12.8	85
113	An interfacial engineering approach towards two-dimensional porous carbon hybrids for high performance energy storage and conversion. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1567-1574	13	20

112	Efficient hydrogen production on MoNi electrocatalysts with fast water dissociation kinetics. <i>Nature Communications</i> , <b>2017</b> , 8, 15437	17.4	583
111	Integrated Hierarchical Cobalt Sulfide/Nickel Selenide Hybrid Nanosheets as an Efficient Three-dimensional Electrode for Electrochemical and Photoelectrochemical Water Splitting. <i>Nano Letters</i> , <b>2017</b> , 17, 4202-4209	11.5	216
110	Silicon anodes protected by a nitrogen-doped porous carbon shell for high-performance lithium-ion batteries. <i>Nanoscale</i> , <b>2017</b> , 9, 8871-8878	7.7	63
109	Ionothermally synthesized hierarchical porous Schiff-base-type polymeric networks with ultrahigh specific surface area for supercapacitors. <i>RSC Advances</i> , <b>2017</b> , 7, 19934-19939	3.7	4
108	Molybdenum Carbide-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Electrocatalysts for Water Splitting in Alkaline Media. <i>ACS Nano</i> , <b>2017</b> , 11, 3933-3942	16.7	302
107	Stimulus-Responsive Micro-Supercapacitors with Ultrahigh Energy Density and Reversible Electrochromic Window. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604491	24	122
106	In Situ Coupling Strategy for the Preparation of FeCo Alloys and Co N Hybrid for Highly Efficient Oxygen Evolution. <i>Advanced Materials</i> , <b>2017</b> , 29, 1704091	24	136
105	Dual-Graphene Rechargeable Sodium Battery. <i>Small</i> , <b>2017</b> , 13, 1702449	11	53
104	Ternary Porous Cobalt Phosphoselenide Nanosheets: An Efficient Electrocatalyst for Electrocatalytic and Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701589	24	192
103	Toward Activity Origin of Electrocatalytic Hydrogen Evolution Reaction on Carbon-Rich Crystalline Coordination Polymers. <i>Small</i> , <b>2017</b> , 13, 1700783	11	13
102	Viologen-based conjugated ionic polymer for nonvolatile rewritable memory device. <i>European Polymer Journal</i> , <b>2017</b> , 94, 222-229	5.2	11
101	Iridium nanoparticles anchored on 3D graphite foam as a bifunctional electrocatalyst for excellent overall water splitting in acidic solution. <i>Nano Energy</i> , <b>2017</b> , 40, 27-33	17.1	87
100	Toward a molecular design of porous carbon materials. <i>Materials Today</i> , <b>2017</b> , 20, 592-610	21.8	146
99	Scalable Fabrication and Integration of Graphene Microsupercapacitors through Full Inkjet Printing. <i>ACS Nano</i> , <b>2017</b> , 11, 8249-8256	16.7	204
98	Graphene-coupled nitrogen-enriched porous carbon nanosheets for energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16732-16739	13	28
97	Flexible All-Solid-State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601847	21.8	298
96	Efficient Electrochemical and Photoelectrochemical Water Splitting by a 3D Nanostructured Carbon Supported on Flexible Exfoliated Graphene Foil. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604480	24	139
95	Immobilizing Molecular Metal Dithiolene-Diamine Complexes on 2D Metal-Organic Frameworks for Electrocatalytic H <sub>2</sub> Production. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2255-2260	4.8	154



94	Substantial Cyano-Substituted Fully sp <sup>2</sup> -Carbon-Linked Framework: Metal-Free Approach and Visible-Light-Driven Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703146	15.6	109
93	Cobalt/nitrogen co-doped porous carbon nanosheets as highly efficient catalysts for the oxygen reduction reaction in both basic and acidic media. <i>RSC Advances</i> , <b>2016</b> , 6, 82341-82347	3.7	14
92	Graphene and its derivatives for laser protection. <i>Progress in Materials Science</i> , <b>2016</b> , 84, 118-157	42.2	85
91	Two-Dimensional Mesoscale-Ordered Conducting Polymers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12704-12709	9.6	13
90	Aromatic azaheterocycle-cored luminogens with tunable physical properties via nitrogen atoms for sensing strong acids. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7640-7648	7.1	42
89	Angular BN-Heteroacenes with syn-Structure-Induced Promising Properties as Host Materials of Blue Organic Light-Emitting Diodes. <i>Organic Letters</i> , <b>2016</b> , 18, 3618-21	6.2	43
88	Engineering water dissociation sites in MoS <sub>2</sub> nanosheets for accelerated electrocatalytic hydrogen production. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2789-2793	35.4	386
87	Interface Engineering of MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6702-7	16.4	896
86	Nitrogen-Doped Porous Carbon Superstructures Derived from Hierarchical Assembly of Polyimide Nanosheets. <i>Advanced Materials</i> , <b>2016</b> , 28, 1981-7	24	313
85	Interface Engineering of MoS <sub>2</sub> /Ni <sub>3</sub> S <sub>2</sub> Heterostructures for Highly Enhanced Electrochemical Overall-Water-Splitting Activity. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6814-6819	3.6	315
84	Graphene-Coupled Flower-Like Ni <sub>3</sub> S <sub>2</sub> for a Free-Standing 3D Aerogel with an Ultra-High Electrochemical Capacity. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 705-715	6.7	70
83	New nitrogen-rich azo-bridged porphyrin-conjugated microporous networks for high performance of gas capture and storage. <i>RSC Advances</i> , <b>2016</b> , 6, 30048-30055	3.7	48
82	Interactions and Translational Dynamics of Phosphatidylinositol Bisphosphate (PIP <sub>2</sub> ) Lipids in Asymmetric Lipid Bilayers. <i>Langmuir</i> , <b>2016</b> , 32, 1732-41	4	18
81	Triple Boron-Cored Chromophores Bearing Discotic 5,11,17-Triazatrinaphthylene-Based Ligands. <i>Organic Letters</i> , <b>2016</b> , 18, 1398-401	6.2	31
80	Nitrogen-enriched, ordered mesoporous carbons for potential electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2286-2292	13	73
79	BN-heteroacene-cored luminogens with dual channel detection for fluoride anions. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1159-1164	7.1	33
78	Vertically oriented cobalt selenide/NiFe layered-double-hydroxide nanosheets supported on exfoliated graphene foil: an efficient 3D electrode for overall water splitting. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 478-483	35.4	646
77	Graphene-directed two-dimensional porous carbon frameworks for high-performance lithium-sulfur battery cathodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 314-320	13	72



76	Recent Advances in Boron-Containing Conjugated Porous Polymers. <i>Polymers</i> , <b>2016</b> , 8,	4.5	20
75	Sulfur-Enriched Conjugated Polymer Nanosheet Derived Sulfur and Nitrogen co-Doped Porous Carbon Nanosheets as Electrocatalysts for Oxygen Reduction Reaction and Zinc-Air Battery. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5893-5902	15.6	189
74	Silicium-kompatible Mikro-Superkondensatoren. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6244-6246	3.6	2
73	Quantitative Control of Pore Size of Mesoporous Carbon Nanospheres through the Self-Assembly of Diblock Copolymer Micelles in Solution. <i>Small</i> , <b>2016</b> , 12, 3155-63	11	92
72	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6858-63	16.4	111
71	Silicon-Compatible Carbon-Based Micro-Supercapacitors. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6136-8	16.4	23
70	In Situ Synthesis and Characterization of Poly(aryleneethynylene)-Grafted Reduced Graphene Oxide. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2247-52	4.8	11
69	Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6972-6977	3.6	19
68	Boron, nitrogen, and phosphorous ternary doped graphene aerogel with hierarchically porous structures as highly efficient electrocatalysts for oxygen reduction reaction. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6022-6029	3.6	51
67	Template-directed approach to two-dimensional molybdenum phosphide-carbon nanocomposites with high catalytic activities in the hydrogen evolution reaction. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6015-6021 <sup>20</sup>	3.6	20
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65	Two-Dimensional Mesoscale-Ordered Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12516-21	16.4	74
64	Anionic porous polymers with tunable structures and catalytic properties. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 15162-15168	13	19
63	Highly Efficient Electrocatalysts for Oxygen Reduction Reaction Based on 1D Ternary Doped Porous Carbons Derived from Carbon Nanotube Directed Conjugated Microporous Polymers. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8255-8265	15.6	55
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60	Dual-Template Synthesis of 2D Mesoporous Polypyrrole Nanosheets with Controlled Pore Size. <i>Advanced Materials</i> , <b>2016</b> , 28, 8365-8370	24	119
59	One-pot approach to Pd-loaded porous polymers with properties tunable by the oxidation state of the phosphorus core. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 6351-6357	4.9	24

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57	Sulfur-doped porous carbon nanosheets as high performance electrocatalysts for PhotoFuelCells. <i>RSC Advances</i> , <b>2015</b> , 5, 27953-27963	3.7	13
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55	Cross-linked polymer-derived B/N co-doped carbon materials with selective capture of CO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23352-23359	13	27
54	Hypercrosslinked porous polymer nanosheets: 2D RAFT agent directed emulsion polymerization for multifunctional applications. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 7171-7178	4.9	37
53	Compact coupled graphene and porous polyaryltriazine-derived frameworks as high performance cathodes for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1812-6	16.4	125
52	A dual-boron-cored luminogen capable of sensing and imaging. <i>Chemical Communications</i> , <b>2015</b> , 51, 5298-801	3.8	35
51	Nitrogen-enriched hierarchically porous carbon materials fabricated by graphene aerogel templated Schiff-base chemistry for high performance electrochemical capacitors. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1088-1095	4.9	46
50	Two-dimensional soft nanomaterials: a fascinating world of materials. <i>Advanced Materials</i> , <b>2015</b> , 27, 4032-27	2.7	374
49	Conjugated microporous polymers with dimensionality-controlled heterostructures for green energy devices. <i>Advanced Materials</i> , <b>2015</b> , 27, 3789-96	24	176
48	Metal-Phosphide-Containing Porous Carbons Derived from an Ionic-Polymer Framework and Applied as Highly Efficient Electrochemical Catalysts for Water Splitting. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3899-3906	15.6	159
47	Synthesis, physical properties of X-shape naphthalene-cored E-conjugated oligomers. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 4011-4015	2	2
46	Nonplanar Ladder-Type Polycyclic Conjugated Molecules: Structures and Solid-State Properties. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 3332-3338	3.5	7
45	Tuning the mobility coupling of quaternized polyvinylpyridine and anionic phospholipids in supported lipid bilayers. <i>Langmuir</i> , <b>2015</b> , 31, 1784-91	4	10
44	Compact Coupled Graphene and Porous Polyaryltriazine-Derived Frameworks as High Performance Cathodes for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1832-1836	3.6	29
43	Nitrogen-Doped Carbon Nanosheets with Size-Defined Mesopores as Highly Efficient Metal-Free Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1596-1600	3.6	208
42	Graphene coupled Schiff-base porous polymers: towards nitrogen-enriched porous carbon nanosheets with ultrahigh electrochemical capacity. <i>Advanced Materials</i> , <b>2014</b> , 26, 3081-6	24	207
41	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2010-2017	4.9	32

40	Hierarchically porous carbons with optimized nitrogen doping as highly active electrocatalysts for oxygen reduction. <i>Nature Communications</i> , <b>2014</b> , 5, 4973	17.4	808
39	2D polyacrylonitrile brush derived nitrogen-doped carbon nanosheets for high-performance electrocatalysts in oxygen reduction reaction. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 2057-2064	4.9	49
38	Efficient approach to electron-deficient 1,2,7,8-tetraazaperylene derivatives. <i>Organic Letters</i> , <b>2014</b> , 16, 4726-9	6.2	20
37	Polyaniline nanosheet derived B/N co-doped carbon nanosheets as efficient metal-free catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7742	13	118
36	Metal-nitrogen doping of mesoporous carbon/graphene nanosheets by self-templating for oxygen reduction electrocatalysts. <i>ChemSusChem</i> , <b>2014</b> , 7, 3002-6	8.3	49
35	Nitrogen-doped carbon nanosheets with size-defined mesopores as highly efficient metal-free catalyst for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1570-4	16.4	428
34	Resistance-Switchable Graphene Oxide Polymer Nanocomposites for Molecular Electronics. <i>ChemElectroChem</i> , <b>2014</b> , 1, 514-519	4.3	19
33	Two-dimensional nanostructures by the assembly of n-type tetraazaanthracene-based conjugated molecules. <i>ChemPhysChem</i> , <b>2013</b> , 14, 2954-60	3.2	6
32	Two-dimensional sandwich-type, graphene-based conjugated microporous polymers. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9668-72	16.4	194
31	One-step preparation of novel conjugated porous polymer with tubular structure. <i>Science China Chemistry</i> , <b>2013</b> , 56, 1112-1118	7.9	1
30	Low-temperature synthesis of nitrogen/sulfur co-doped three-dimensional graphene frameworks as efficient metal-free electrocatalyst for oxygen reduction reaction. <i>Carbon</i> , <b>2013</b> , 62, 296-301	10.4	374
29	Ladder-type BN-embedded heteroacenes with blue emission. <i>Organic Letters</i> , <b>2013</b> , 15, 5714-7	6.2	103
28	Boron-Nitrogen-based conjugated porous polymers with multi-functions. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13878	13	48
27	Two-Dimensional Sandwich-Type, Graphene-Based Conjugated Microporous Polymers. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9850-9854	3.6	43
26	Graphene and its derivatives: switching ON and OFF. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4688-707	58.5	219
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24	Charm-bracelet-type poly(N-vinylcarbazole) functionalized with reduced graphene oxide for broadband optical limiting. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 780-5	4.8	63
23	A highly soluble polyhedral oligomeric silsesquioxane end-capped perylene diimide dye. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 1120	3.6	16

22	Polyfluorene-Based PushPull Type Functional Materials for Write-Once-Read-Many-Times Memory Devices. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4455-4461	9.6	87
21	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1-Functionalized Poly (N-vinylcarbazole) Film via Solution-Phase Self-Assembly. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2916-2922	15.6	102
20	Conjugated-polymer-functionalized graphene oxide: synthesis and nonvolatile rewritable memory effect. <i>Advanced Materials</i> , <b>2010</b> , 22, 1731-5	24	359
19	Multi-walled carbon nanotubes covalently functionalized with polyhedral oligomeric silsesquioxanes for optical limiting. <i>Carbon</i> , <b>2010</b> , 48, 1738-1742	10.4	45
18	Poly(N-vinylcarbazole) chemically modified graphene oxide. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 2642-2649	2.5	83
17	Multiwalled carbon nanotubes covalently functionalized with poly(N-vinylcarbazole) via RAFT polymerization: Synthesis and nonlinear optical properties. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3161-3168	2.5	23
16	Bistable electrical switching and electronic memory effect in a solution-processable graphene oxide-donor polymer complex. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 253301	3.4	106
15	Preparation and characterization of organic/inorganic hybrid polymers containing polyhedral oligomeric silsesquioxane via RAFT polymerization. <i>Reactive and Functional Polymers</i> , <b>2009</b> , 69, 124-129	4.6	30
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12	Ultrasound-assisted bulk synthesis of Cds-PVK nanocomposites via RAFT polymerization. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 5702-5707	2.5	18
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8	Supramolecular Zinc PhthalocyanineBerylene Bisimide Triad: Synthesis and Photophysical Properties. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 16096-16099	3.8	37
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6	Carbon nanotube-based functional materials for optical limiting. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 1268-83	1.3	93
5	Synthesis and Characterization of Phthalocyanine-Based Soluble Light-Harvesting CIGS Complex. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5256-5261	9.6	7

4	Enhancing charge separation in conjugated microporous polymers for efficient photocatalytic hydrogen evolution. <i>Materials Advances</i> ,	3.3	
3	Electrochemical reduction of carbon dioxide with nearly 100% carbon monoxide faradaic efficiency from vacancy-stabilized single-atom active sites. <i>Journal of Materials Chemistry A</i> ,	13	6
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1	CoreShell Structured Fe <sub>3</sub> O <sub>4</sub> Catalysts with Enriched Iron Sites in Surface Layers for Proton-Exchange Membrane Fuel Cells. <i>ACS Catalysis</i> ,6409-6417	13.1	5