Xiao-Dong Zhuang

List of Publications by Year
in descending order

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205 papers	22,739 citations	72 h-index	146 g-index
		10351	8599
213 all docs	213 docs citations	213 times ranked	22972 citing authors

#	Article	IF	Citations
1	Interface Engineering of MoS₂/Ni₃S₂ Heterostructures for Highly Enhanced Electrochemical Overallâ€Waterâ€Splitting Activity. Angewandte Chemie - International Edition, 2016, 55, 6702-6707.	7.2	1,159
2	Hierarchically porous carbons with optimized nitrogen doping as highly active electrocatalysts for oxygen reduction. Nature Communications, 2014, 5, 4973.	5.8	921
3	Efficient hydrogen production on MoNi4 electrocatalysts with fast water dissociation kinetics. Nature Communications, 2017, 8, 15437.	5.8	813
4	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.	15.6	774
5	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.	6.6	680
6	Accelerated Hydrogen Evolution Kinetics on NiFeâ€Layered Double Hydroxide Electrocatalysts by Tailoring Water Dissociation Active Sites. Advanced Materials, 2018, 30, 1706279.	11.1	601
7	Engineering water dissociation sites in MoS₂ nanosheets for accelerated electrocatalytic hydrogen production. Energy and Environmental Science, 2016, 9, 2789-2793.	15.6	503
8	Nitrogenâ€Doped Carbon Nanosheets with Sizeâ€Defined Mesopores as Highly Efficient Metalâ€Free Catalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2014, 53, 1570-1574.	7.2	457
9	Twoâ€Dimensional Soft Nanomaterials: A Fascinating World of Materials. Advanced Materials, 2015, 27, 403-427.	11.1	437
10	Atomically dispersed nickelâ€“nitrogenâ€“sulfur species anchored on porous carbon nanosheets for efficient water oxidation. Nature Communications, 2019, 10, 1392.	5.8	424
11	Efficient alkaline hydrogen evolution on atomically dispersed Niâ€“N_x Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. Energy and Environmental Science, 2019, 12, 149-156.	15.6	416
12	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.	5.4	415
13	Interface Engineering of MoS₂/Ni₃S₂ Heterostructures for Highly Enhanced Electrochemical Overallâ€Waterâ€Splitting Activity. Angewandte Chemie, 2016, 128, 6814-6819.	1.6	403
14	Conjugatedâ€Polymerâ€Functionalized Graphene Oxide: Synthesis and Nonvolatile Rewritable Memory Effect. Advanced Materials, 2010, 22, 1731-1735.	11.1	400
15	Nitrogenâ€Doped Porous Carbon Superstructures Derived from Hierarchical Assembly of Polyimide Nanosheets. Advanced Materials, 2016, 28, 1981-1987.	11.1	390
16	Two-dimensional materials for miniaturized energy storage devices: from individual devices to smart integrated systems. Chemical Society Reviews, 2018, 47, 7426-7451.	18.7	384
17	Flexible Allâ€Solidâ€State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. Advanced Energy Materials, 2017, 7, 1601847.	10.2	379
18	Molybdenum Carbide-Embedded Nitrogen-Doped Porous Carbon Nanosheets as Electrocatalysts for Water Splitting in Alkaline Media. ACS Nano, 2017, 11, 3933-3942.	7.3	367

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19	Porous carbon nanosheets: Synthetic strategies and electrochemical energy related applications. Nano Today, 2019, 24, 103-119.	6.2	357
20	A two-dimensional conjugated polymer framework with fully sp²-bonded carbon skeleton. Polymer Chemistry, 2016, 7, 4176-4181.	1.9	350
21	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
22	Scalable Fabrication and Integration of Graphene Microsupercapacitors through Full Inkjet Printing. ACS Nano, 2017, 11, 8249-8256.	7.3	280
23	A Nitrogenâ€Rich 2D sp²â€Carbonâ€Linked Conjugated Polymer Framework as a Highâ€Performance Cathode for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 849-853.	7.2	275
24	Vertically Aligned MoS₂ Nanosheets Patterned on Electrochemically Exfoliated Graphene for Highâ€Performance Lithium and Sodium Storage. Advanced Energy Materials, 2018, 8, 1702254.	10.2	274
25	Synergetic Contribution of Boron and Feâ€“N_x Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. ACS Energy Letters, 2018, 3, 252-260.	8.8	269
26	Znâ€Ion Hybrid Microâ€Supercapacitors with Ultrahigh Areal Energy Density and Longâ€Term Durability. Advanced Materials, 2019, 31, e1806005.	11.1	266
27	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.	4.5	263
28	Graphene and its derivatives: switching ON and OFF. Chemical Society Reviews, 2012, 41, 4688.	18.7	257
29	Graphene Coupled Schiffâ€base Porous Polymers: Towards Nitrogenâ€enriched Porous Carbon Nanosheets with Ultrahigh Electrochemical Capacity. Advanced Materials, 2014, 26, 3081-3086.	11.1	224
30	Twoâ€Dimensional Sandwichâ€Type, Grapheneâ€Based Conjugated Microporous Polymers. Angewandte Chemie - International Edition, 2013, 52, 9668-9672.	7.2	220
31	Ternary Porous Cobalt Phosphoselenide Nanosheets: An Efficient Electrocatalyst for Electrocatalytic and Photoelectrochemical Water Splitting. Advanced Materials, 2017, 29, 1701589.	11.1	219
32	Sulfurâ€Enriched Conjugated Polymer Nanosheet Derived Sulfur and Nitrogen coâ€Doped Porous Carbon Nanosheets as Electrocatalysts for Oxygen Reduction Reaction and Zincâ€“Air Battery. Advanced Functional Materials, 2016, 26, 5893-5902.	7.8	214
33	Conjugated Microporous Polymers with Dimensionalityâ€Controlled Heterostructures for Green Energy Devices. Advanced Materials, 2015, 27, 3789-3796.	11.1	210
34	Atomic Ni Anchored Covalent Triazine Framework as High Efficient Electrocatalyst for Carbon Dioxide Conversion. Advanced Functional Materials, 2019, 29, 1806884.	7.8	210
35	Immobilizing Molecular Metal Dithioleneâ€“Diamine Complexes on 2D Metalâ€“Organic Frameworks for Electrocatalytic H₂ Production. Chemistry - A European Journal, 2017, 23, 2255-2260.	1.7	208
36	Toward a molecular design of porous carbon materials. Materials Today, 2017, 20, 592-610.	8.3	202

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37	Viologen-inspired functional materials: synthetic strategies and applications. Journal of Materials Chemistry A, 2019, 7, 23337-23360.	5.2	186
38	Metalâ€Phosphideâ€Containing Porous Carbons Derived from an Ionicâ€Polymer Framework and Applied as Highly Efficient Electrochemical Catalysts for Water Splitting. Advanced Functional Materials, 2015, 25, 3899-3906.	7.8	176
39	In Situ Coupling Strategy for the Preparation of FeCo Alloys and Co₄N Hybrid for Highly Efficient Oxygen Evolution. Advanced Materials, 2017, 29, 1704091.	11.1	165
40	Dualâ€Template Synthesis of 2D Mesoporous Polypyrrole Nanosheets with Controlled Pore Size. Advanced Materials, 2016, 28, 8365-8370.	11.1	163
41	Efficient Electrochemical and Photoelectrochemical Water Splitting by a 3D Nanostructured Carbon Supported on Flexible Exfoliated Graphene Foil. Advanced Materials, 2017, 29, 1604480.	11.1	157
42	Stimulusâ€Responsive Microâ€Supercapacitors with Ultrahigh Energy Density and Reversible Electrochromic Window. Advanced Materials, 2017, 29, 1604491.	11.1	153
43	A Novel Heterostructure Based on RuMo Nanoalloys and Nâ€doped Carbon as an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. Advanced Materials, 2020, 32, e2005433.	11.1	151
44	Compact Coupled Graphene and Porous Polyaryltriazineâ€Derived Frameworks as High Performance Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 1812-1816.	7.2	142
45	Coordination Polymer Framework Based Onâ€Chip Microâ€Supercapacitors with AC Lineâ€Filtering Performance. Angewandte Chemie - International Edition, 2017, 56, 3920-3924.	7.2	140
46	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.	8.2	139
47	Substantial Cyanoâ€Substituted Fully sp²â€Carbonâ€Linked Framework: Metalâ€Free Approach and Visibleâ€Lightâ€Driven Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1703146.	7.8	138
48	Graphene and its derivatives for laser protection. Progress in Materials Science, 2016, 84, 118-157.	16.0	128
49	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2016, 55, 6858-6863.	7.2	127
50	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.	5.2	124
51	Ladder-Type BN-Embedded Heteroacenes with Blue Emission. Organic Letters, 2013, 15, 5714-5717.	2.4	122
52	Selfâ€Activating, Capacitive Anion Intercalation Enables Highâ€Power Graphite Cathodes. Advanced Materials, 2018, 30, e1800533.	11.1	121
53	Bistable electrical switching and electronic memory effect in a solution-processable graphene oxide-donor polymer complex. Applied Physics Letters, 2009, 95, .	1.5	118
54	Quantitative Control of Pore Size of Mesoporous Carbon Nanospheres through the Selfâ€Assembly of Diblock Copolymer Micelles in Solution. Small, 2016, 12, 3155-3163.	5.2	117

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55	Preparation and Memory Performance of a Nanoaggregated Dispersed Red 1â€Functionalized Poly (Nâ€vinylcarbazole) Film via Solutionâ€Phase Selfâ€Assembly. Advanced Functional Materials, 2010, 20, 2916-2922.	7.8	112
56	Two-Dimensional Porous Polymers: From Sandwich-like Structure to Layered Skeleton. Accounts of Chemical Research, 2018, 51, 3191-3202.	7.6	108
57	Recent Advances in Earth-Abundant Heterogeneous Electrocatalysts for Photoelectrochemical Water Splitting. Small Methods, 2017, 1, 1700090.	4.6	106
58	Carbon Nanotube-Based Functional Materials for Optical Limiting. Journal of Nanoscience and Nanotechnology, 2007, 7, 1268-1283.	0.9	105
59	Redox gated polymer memristive processing memory unit. Nature Communications, 2019, 10, 736.	5.8	99
60	Polyfluorene-Based Pushâ^'Pull Type Functional Materials for Write-Once-Read-Many-Times Memory Devices. Chemistry of Materials, 2010, 22, 4455-4461.	3.2	89
61	Twoâ€Dimensional Mesoscaleâ€Ordered Conducting Polymers. Angewandte Chemie - International Edition, 2016, 55, 12516-12521.	7.2	89
62	Poly(Nâ€vinylcarbazole) chemically modified graphene oxide. Journal of Polymer Science Part A, 2010, 48, 2642-2649.	2.5	88
63	WS₂â€“Graphite Dual-Ion Batteries. Nano Letters, 2018, 18, 7155-7164.	4.5	88
64	Nitrogen-enriched, ordered mesoporous carbons for potential electrochemical energy storage. Journal of Materials Chemistry A, 2016, 4, 2286-2292.	5.2	84
65	Graphene-directed two-dimensional porous carbon frameworks for high-performance lithiumâ€“sulfur battery cathodes. Journal of Materials Chemistry A, 2016, 4, 314-320.	5.2	83
66	Silicon anodes protected by a nitrogen-doped porous carbon shell for high-performance lithium-ion batteries. Nanoscale, 2017, 9, 8871-8878.	2.8	81
67	Graphene-Coupled Flower-Like Ni3S2 for a Free-Standing 3D Aerogel with an Ultra-High Electrochemical Capacity. Electrochimica Acta, 2016, 191, 705-715.	2.6	80
68	Thermoswitchable on-chip microsupercapacitors: one potential self-protection solution for electronic devices. Energy and Environmental Science, 2018, 11, 1717-1722.	15.6	79
69	Recent Advances in RAFT Polymerization: Novel Initiation Mechanisms and Optoelectronic Applications. Polymers, 2018, 10, 318.	2.0	79
70	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.	5.2	78
71	Synthesis and selfâ€assembly of tadpoleâ€shaped organic/inorganic hybrid poly(Nâ€isopropylacrylamide) containing polyhedral oligomeric silsesquioxane via RAFT polymerization. Journal of Polymer Science Part A, 2008, 46, 7049-7061.	2.5	77
72	Optimizing Microenvironment of Asymmetric N,Sâ€Coordinated Singleâ€Atom Fe via Axial Fifth Coordination toward Efficient Oxygen Electroreduction. Small, 2022, 18, e2105387.	5.2	72

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73	Simultaneously Integrate Iron Single Atom and Nanocluster Triggered Tandem Effect for Boosting Oxygen Electroreduction. Small, 2022, 18, e2107225.	5.2	72
74	A Nitrogenâ€Rich 2D sp²â€Carbonâ€Linked Conjugated Polymer Framework as a Highâ€Performance Cathode for Lithiumâ€Ion Batteries. Angewandte Chemie, 2019, 131, 859-863.	1.6	71
75	Hierarchical-graphene-coupled polyaniline aerogels for electrochemical energy storage. Carbon, 2018, 127, 77-84.	5.4	70
76	Charmâ€Braceletâ€Type Poly(Nâ€vinylcarbazole) Functionalized with Reduced Graphene Oxide for Broadband Optical Limiting. Chemistry - A European Journal, 2011, 17, 780-785.	1.7	68
77	Boron-Ï€-nitrogen-based conjugated porous polymers with multi-functions. Journal of Materials Chemistry A, 2013, 1, 13878.	5.2	67
78	New nitrogen-rich azo-bridged porphyrin-conjugated microporous networks for high performance of gas capture and storage. RSC Advances, 2016, 6, 30048-30055.	1.7	66
79	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.	7.8	65
80	Dualâ€Graphene Rechargeable Sodium Battery. Small, 2017, 13, 1702449.	5.2	64
81	Charge Transfer Salt and Graphene Heterostructureâ€Based Microâ€Supercapacitors with Alternating Current Lineâ€Filtering Performance. Small, 2019, 15, e1901494.	5.2	64
82	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.	1.4	62
83	Interfacial Approach toward Benzeneâ€Bridged Polypyrrole Filmâ€“Based Microâ€Supercapacitors with Ultrahigh Volumetric Power Density. Advanced Functional Materials, 2020, 30, 1908243.	7.8	60
84	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.	1.9	58
85	Angular BN-Heteroacenes with syn-Structure-Induced Promising Properties as Host Materials of Blue Organic Light-Emitting Diodes. Organic Letters, 2016, 18, 3618-3621.	2.4	57
86	Self-Assembly of Integrated Tubular Microsupercapacitors with Improved Electrochemical Performance and Self-Protective Function. ACS Nano, 2019, 13, 8067-8075.	7.3	57
87	A Dualâ€Stimuliâ€Responsive Sodiumâ€Bromine Battery with Ultrahigh Energy Density. Advanced Materials, 2018, 30, e1800028.	11.1	56
88	Two-dimensional organic cathode materials for alkali-metal-ion batteries. Journal of Energy Chemistry, 2018, 27, 86-98.	7.1	56
89	2D polyacrylonitrile brush derived nitrogen-doped carbon nanosheets for high-performance electrocatalysts in oxygen reduction reaction. Polymer Chemistry, 2014, 5, 2057-2064.	1.9	54
90	In situ nanoarchitecturing and active-site engineering toward highly efficient carbonaceous electrocatalysts. Nano Energy, 2019, 59, 207-215.	8.2	54

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91	Nano-sandwiched metal hexacyanoferrate/graphene hybrid thin films for in-plane asymmetric micro-supercapacitors with ultrahigh energy density. Materials Horizons, 2019, 6, 1041-1049.	6.4	54
92	Metalâ€“Nitrogen Doping of Mesoporous Carbon/Graphene Nanosheets by Selfâ€Templating for Oxygen Reduction Electrocatalysts. ChemSusChem, 2014, 7, 3002-3006.	3.6	52
93	The art of two-dimensional soft nanomaterials. Science China Chemistry, 2019, 62, 1145-1193.	4.2	52
94	Long-Lived Charge-Separated Configuration of a Pushâˆ'Pull Archetype of Disperse Red 1 End-Capped Poly[9,9-Bis(4-diphenylaminophenyl)fluorene]. Journal of the American Chemical Society, 2009, 131, 6370-6371.	6.6	50
95	Aromatic azaheterocycle-cored luminogens with tunable physical properties via nitrogen atoms for sensing strong acids. Journal of Materials Chemistry C, 2016, 4, 7640-7648.	2.7	50
96	Azuleneâ€Based Molecules, Polymers, and Frameworks for Optoelectronic and Energy Applications. Small Methods, 2020, 4, 2000628.	4.6	50
97	Thermally stable polymer memory devices based on a Ï€-conjugated triad. Applied Physics Letters, 2008, 92, .	1.5	49
98	Cobaloxime anchored MoS₂ nanosheets as electrocatalysts for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 138-144.	5.2	49
99	Multi-walled carbon nanotubes covalently functionalized with polyhedral oligomeric silsesquioxanes for optical limiting. Carbon, 2010, 48, 1738-1742.	5.4	48
100	Carbon nanosheets supporting Niâ€“N3S single-atom sites for efficient electrocatalytic CO2 reduction. Carbon, 2021, 178, 488-496.	5.4	48
101	A dual-boron-cored luminogen capable of sensing and imaging. Chemical Communications, 2015, 51, 5298-5301.	2.2	47
102	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.	2.6	47
103	Synthesis and Properties of C_{2h}-Symmetric BN-Heteroacenes Tailored through Aromatic Central Cores. Journal of Organic Chemistry, 2015, 80, 10127-10133.	1.7	44
104	Quinone-Enriched Conjugated Microporous Polymer as an Organic Cathode for Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 9064-9073.	4.0	44
105	Hypercrosslinked porous polymer nanosheets: 2D RAFT agent directed emulsion polymerization for multifunctional applications. Polymer Chemistry, 2015, 6, 7171-7178.	1.9	43
106	Graphene-coupled nitrogen-enriched porous carbon nanosheets for energy storage. Journal of Materials Chemistry A, 2017, 5, 16732-16739.	5.2	42
107	2D Porous Polymers with sp²â€Carbon Connections and Sole sp²â€Carbon Skeletons. Advanced Functional Materials, 2020, 30, 2000857.	7.8	42
108	Chemically Stable Polyarylether-Based Metallophthalocyanine Frameworks with High Carrier Mobilities for Capacitive Energy Storage. Journal of the American Chemical Society, 2021, 143, 17701-17707.	6.6	42

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109	Triple Boron-Cored Chromophores Bearing Discotic 5,11,17-Triazatrinaphthylene-Based Ligands. Organic Letters, 2016, 18, 1398-1401.	2.4	40
110	Supercapacitors with alternating current line-filtering performance. BMC Materials, 2020, 2, .	6.8	40
111	Supramolecular Zinc Phthalocyanineâ^'Perylene Bisimide Triad:â€‰ Synthesis and Photophysical Properties. Journal of Physical Chemistry C, 2007, 111, 16096-16099.	1.5	39
112	A room-temperature interfacial approach towards iron/nitrogen co-doped fibrous porous carbons as electrocatalysts for the oxygen reduction reaction and Znâ€“Air batteries. Nanoscale, 2019, 11, 10257-10265.	2.8	39
113	BN-heteroacene-cored luminogens with dual channel detection for fluoride anions. Journal of Materials Chemistry C, 2016, 4, 1159-1164.	2.7	37
114	A solution-processable polymer-grafted graphene oxide derivative for nonvolatile rewritable memory. Polymer Chemistry, 2014, 5, 2010-2017.	1.9	36
115	Cross-linked polymer-derived B/N co-doped carbon materials with selective capture of CO2. Journal of Materials Chemistry A, 2015, 3, 23352-23359.	5.2	36
116	Inkjet Printed Disposable Highâ€Rate Onâ€Paper Microsupercapacitors. Advanced Functional Materials, 2022, 32, 2108773.	7.8	36
117	Enhancement of optical limiting response by embedding gallium phthalocyanine into polymer host. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 414-417.	2.0	31
118	Preparation and characterization of organic/inorganic hybrid polymers containing polyhedral oligomeric silsesquioxane via RAFT polymerization. Reactive and Functional Polymers, 2009, 69, 124-129.	2.0	31
119	Sulfur-anchored azulene as a cathode material for Liâ€“S batteries. Chemical Communications, 2019, 55, 9047-9050.	2.2	31
120	Precise Control of Ï€-Electron Magnetism in Metal-Free Porphyrins. Journal of the American Chemical Society, 2020, 142, 18532-18540.	6.6	31
121	Polyaryletherâ€Based 2D Covalentâ€Organic Frameworks with Inâ€Plane Dâ€“A Structures and Tunable Energy Levels for Energy Storage. Advanced Science, 2022, 9, e2104898.	5.6	31
122	Recent Advances in Boron-Containing Conjugated Porous Polymers. Polymers, 2016, 8, 191.	2.0	30
123	2D Heterostructures Derived from MoS₂â€Templated, Cobaltâ€Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. ChemElectroChem, 2017, 4, 709-715.	1.7	30
124	Electrochemical reduction of carbon dioxide with nearly 100% carbon monoxide faradaic efficiency from vacancy-stabilized single-atom active sites. Journal of Materials Chemistry A, 2021, 9, 24955-24962.	5.2	30
125	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.	1.9	29
126	Anionic porous polymers with tunable structures and catalytic properties. Journal of Materials Chemistry A, 2016, 4, 15162-15168.	5.2	29

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127	Viologen-bridged polyaniline based multifunctional heterofilms for all-solid-state supercapacitors and memory devices. European Polymer Journal, 2018, 98, 125-136.	2.6	29
128	Pyrolyzed Triazine-Based Nanoporous Frameworks Enable Electrochemical CO₂ Reduction in Water. ACS Applied Materials & Interfaces, 2018, 10, 43588-43594.	4.0	29
129	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.	5.0	28
130	Siliconâ€Compatible Carbonâ€Based Microâ€Supercapacitors. Angewandte Chemie - International Edition, 2016, 55, 6136-6138.	7.2	27
131	Viologenâ€Hypercrosslinked Ionic Porous Polymer Films as Active Layers for Electronic and Energy Storage Devices. Advanced Materials Interfaces, 2018, 5, 1701679.	1.9	27
132	Efficient synthesis and physical properties of novel H-shaped 2,3,7,8-tetraazaanthracene-based conjugated molecules. Chemical Communications, 2012, 48, 4166.	2.2	26
133	BODIPY-based conjugated polymer covalently grafted reduced graphene oxide for flexible nonvolatile memory devices. Carbon, 2017, 116, 713-721.	5.4	26
134	High-index faceted binary-metal selenide nanosheet arrays as efficient 3D electrodes for alkaline hydrogen evolution. Nanoscale, 2019, 11, 17571-17578.	2.8	26
135	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.	8.2	26
136	Multiwalled carbon nanotubes covalently functionalized with poly(Nâ€vinylcarbazole) via RAFT polymerization: Synthesis and nonliner optical properties. Journal of Polymer Science Part A, 2010, 48, 3161-3168.	2.5	25
137	Template-directed approach to two-dimensional molybdenum phosphideâ€“carbon nanocomposites with high catalytic activities in the hydrogen evolution reaction. New Journal of Chemistry, 2016, 40, 6015-6021.	1.4	25
138	Regulating the Spin State of Nickel in Molecular Catalysts for Boosting Carbon Dioxide Reduction. ACS Applied Energy Materials, 2021, 4, 2891-2898.	2.5	25
139	Copper-involved highly efficient oxygen reduction reaction in both alkaline and acidic media. Chemical Engineering Journal, 2022, 437, 135377.	6.6	25
140	Tungsten Oxide/Reduced Graphene Oxide Aerogel with Lowâ€Content Platinum as Highâ€Performance Electrocatalyst for Hydrogen Evolution Reaction. Small, 2021, 17, e2102159.	5.2	24
141	Twoâ€Dimensional Coreâ€Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie, 2016, 128, 6972-6977.	1.6	23
142	Enhanced Antifouling and Anticorrosion Properties of Stainless Steel by Biomimetic Anchoring PEGDMA-Cross-Linking Polycationic Brushes. Industrial & Engineering Chemistry Research, 2019, 58, 7107-7119.	1.8	23
143	Efficient Approach to Electron-Deficient 1,2,7,8-Tetraazaperylene Derivatives. Organic Letters, 2014, 16, 4726-4729.	2.4	22
144	Coordination Polymer Framework Based Onâ€Chip Microâ€Supercapacitors with AC Lineâ€Filtering Performance. Angewandte Chemie, 2017, 129, 3978-3982.	1.6	22

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145	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.	5.2	22
146	B/N-Enriched Semi-Conductive Polymer Film for Micro-Supercapacitors with AC Line-Filtering Performance. Langmuir, 2021, 37, 2523-2531.	1.6	22
147	Synthesis and Photoinduced Electron-Transfer Process of a Novel Triphenylamine-Substituted Polyfluoreneâ€“C60 Triad. Chemistry - A European Journal, 2007, 13, 1709-1714.	1.7	21
148	Resistance-Switchable Graphene Oxide-Polymer Nanocomposites for Molecular Electronics. ChemElectroChem, 2014, 1, 514-519.	1.7	21
149	Twoâ€Dimensional Mesoscaleâ€Ordered Conducting Polymers. Angewandte Chemie, 2016, 128, 12704-12709.	1.6	21
150	Interactions and Translational Dynamics of Phosphatidylinositol Bisphosphate (PIP₂) Lipids in Asymmetric Lipid Bilayers. Langmuir, 2016, 32, 1732-1741.	1.6	20
151	Recovered Carbon from Coal Gasification Fine Slag as Electrocatalyst for Oxygen Reduction Reaction and Zincâ€“Air Battery. Energy Technology, 2021, 9, 2000890.	1.8	20
152	Catecholâ€Coordinated Framework Filmâ€based Microâ€Supercapacitors with AC Line Filtering Performance. Chemistry - A European Journal, 2021, 27, 6340-6347.	1.7	20
153	Ultrasoundâ€assisted bulk synthesis of Cdsâ€PVK nanocomposites via RAFT polymerization. Journal of Polymer Science Part A, 2008, 46, 5702-5707.	2.5	19
154	Boosting the electronic and catalytic properties of 2D semiconductors with supramolecular 2D hydrogen-bonded superlattices. Nature Communications, 2022, 13, 510.	5.8	19
155	Coreâ€“Shell Structured Feâ€“Nâ€“C Catalysts with Enriched Iron Sites in Surface Layers for Proton-Exchange Membrane Fuel Cells. ACS Catalysis, 2022, 12, 6409-6417.	5.5	19
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