

Chao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7781969/publications.pdf>

Version: 2024-02-01

129
papers

8,088
citations

38660

50
h-index

53109

85
g-index

130
all docs

130
docs citations

130
times ranked

10753
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene-Wrapped Polyaniline Hollow Spheres As Novel Hybrid Electrode Materials for Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3382-3391.	4.0	310
2	Graphene Oxide-Assisted Dispersion of Pristine Multiwalled Carbon Nanotubes in Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11435-11440.	1.5	307
3	Cobalt nanoparticle-embedded nitrogen-doped carbon/carbon nanotube frameworks derived from a metal-organic framework for tri-functional ORR, OER and HER electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3664-3672.	5.2	243
4	Hybridization of graphene sheets and carbon-coated Fe ₃ O ₄ nanoparticles as a synergistic adsorbent of organic dyes. <i>Journal of Materials Chemistry</i> , 2012, 22, 25108.	6.7	214
5	Dopamine-Triggered Hydrogels with High Transparency, Self-Adhesion, and Thermoresponse as Skinlike Sensors. <i>ACS Nano</i> , 2021, 15, 1785-1794.	7.3	190
6	Cryopolymerization enables anisotropic polyaniline hybrid hydrogels with superelasticity and highly deformation-tolerant electrochemical energy storage. <i>Nature Communications</i> , 2020, 11, 62.	5.8	189
7	Immobilization of Co-Al Layered Double Hydroxides on Graphene Oxide Nanosheets: Growth Mechanism and Supercapacitor Studies. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2242-2249.	4.0	186
8	One-step synthesis of graphene nanoribbon-MnO ₂ hybrids and their all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , 2014, 6, 4233.	2.8	186
9	Carbon Nanotubes Bridged with Graphene Nanoribbons and Their Use in High-Efficiency Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3996-3999.	7.2	184
10	Facile Fabrication of Functionalized Graphene Sheets (FGS)/ZnO Nanocomposites with Photocatalytic Property. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2779-2785.	4.0	183
11	Hierarchical composites of polyaniline-graphene nanoribbons-carbon nanotubes as electrode materials in all-solid-state supercapacitors. <i>Nanoscale</i> , 2013, 5, 7312.	2.8	176
12	Facile preparation of water-dispersible graphene sheets stabilized by acid-treated multi-walled carbon nanotubes and their poly(vinyl alcohol) composites. <i>Journal of Materials Chemistry</i> , 2012, 22, 2427-2434.	6.7	168
13	Conducting polymer composites: material synthesis and applications in electrochemical capacitive energy storage. <i>Materials Chemistry Frontiers</i> , 2017, 1, 251-268.	3.2	160
14	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. <i>Advanced Materials</i> , 2018, 30, e1707082.	11.1	158
15	Palladium/Graphitic Carbon Nitride (g-C ₃ N ₄) Stabilized Emulsion Microreactor as a Store for Hydrogen from Ammonia Borane for Use in Alkene Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14857-14861.	7.2	135
16	Self-Templated Growth of Vertically Aligned 2H-1T MoS ₂ for Efficient Electrocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31702-31708.	4.0	133
17	Polyaniline/graphene nanocomposites towards high-performance supercapacitors: A review. <i>Composites Communications</i> , 2018, 8, 83-91.	3.3	133
18	Magnetic nanomaterial derived from graphene oxide/layered double hydroxide hybrid for efficient removal of methyl orange from aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013, 408, 25-32.	5.0	127

#	ARTICLE	IF	CITATIONS
19	Ni-Doped Graphene/Carbon Cryogels and Their Applications As Versatile Sorbents for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7584-7591.	4.0	126
20	Water dispersible graphene noncovalently functionalized with tryptophan and its poly(vinyl alcohol) nanocomposite. <i>Composites Part B: Engineering</i> , 2011, 42, 2130-2135.	5.9	125
21	Exfoliated MoS ₂ nanosheets as efficient catalysts for electrochemical hydrogen evolution. <i>Electrochimica Acta</i> , 2013, 109, 269-275.	2.6	125
22	Metal-Free Multi-Heteroatom-Doped Carbon Bifunctional Electrocatalysts Derived from a Covalent Triazine Polymer. <i>Small</i> , 2020, 16, e2004342.	5.2	117
23	Blood Ties: Co ₃ O ₄ Decorated Blood Derived Carbon as a Superior Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2014, 24, 7655-7665.	7.8	113
24	Plasma-Assisted Synthesis of NiSe ₂ Ultrathin Porous Nanosheets with Selenium Vacancies for Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41861-41865.	4.0	104
25	MoSe ₂ Nanosheet Array with Layered MoS ₂ Heterostructures for Superior Hydrogen Evolution and Lithium Storage Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44550-44559.	4.0	96
26	Graphene/carbon aerogels derived from graphene crosslinked polyimide as electrode materials for supercapacitors. <i>RSC Advances</i> , 2015, 5, 1301-1308.	1.7	94
27	Self-Templated Conversion of Metallogel into Heterostructured TMP@Carbon Quasiaerogels Boosting Bifunctional Electrocatalysis. <i>Advanced Functional Materials</i> , 2019, 29, 1903660.	7.8	93
28	From Millimeter to Subnanometer: Vapor-Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8426-8430.	7.2	90
29	Hydrogen-bonded network enables semi-interpenetrating ionic conductive hydrogels with high stretchability and excellent fatigue resistance for capacitive/resistive bimodal sensors. <i>Chemical Engineering Journal</i> , 2021, 411, 128506.	6.6	88
30	Dramatically Enhanced Mechanical Performance of Nylon-6 Magnetic Composites with Nanostructured Hybrid One-Dimensional Carbon Nanotube-Two-Dimensional Clay Nanoplatelet Heterostructures. <i>Journal of Physical Chemistry B</i> , 2011, 115, 3392-3399.	1.2	87
31	General solution-processed formation of porous transition-metal oxides on exfoliated molybdenum disulfides for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11236-11245.	5.2	86
32	Recent advances in conductive polymer hydrogel composites and nanocomposites for flexible electrochemical supercapacitors. <i>Chemical Communications</i> , 2021, 58, 185-207.	2.2	81
33	Stereoselectively Assembled Metal-Organic Framework (MOF) Host for Catalytic Synthesis of Carbon Hybrids for Alkaline-Metal-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5307-5311.	7.2	79
34	Aqueous stabilization of graphene sheets using exfoliated montmorillonite nanoplatelets for multifunctional free-standing hybrid films via vacuum-assisted self-assembly. <i>Journal of Materials Chemistry</i> , 2011, 21, 18011.	6.7	77
35	Polyimide Nanofiber-Reinforced Ti ₃ C ₂ T _x Aerogel with Lamella-Pillar-Microporosity for High-Performance Piezoresistive Strain Sensing and Electromagnetic Wave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47134-47146.	4.0	76
36	Structural characterization, thermal and mechanical properties of polyurethane/CoAl layered double hydroxide nanocomposites prepared via in situ polymerization. <i>Composites Science and Technology</i> , 2011, 71, 791-796.	3.8	73

#	ARTICLE	IF	CITATIONS
37	Ultrasound-Triggered Assembly of Covalent Triazine Framework for Synthesizing Heteroatom-Doped Carbon Nanoflowers Boosting Metal-Free Bifunctional Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13328-13337.	4.0	71
38	Supercapacitive energy storage performance of molybdenum disulfide nanosheets wrapped with microporous carbons. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3097-3102.	5.2	70
39	Reaction Packaging CoSe ₂ Nanoparticles in N-Doped Carbon Polyhedra with Bifunctionality for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3372-3381.	4.0	70
40	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> , 2016, 26, 8255-8265.	7.8	65
41	Simultaneous reinforcement and toughening of polyurethane composites with carbon nanotube/halloysite nanotube hybrids. <i>Composites Science and Technology</i> , 2014, 91, 98-103.	3.8	64
42	Ultra-stretchable and superhydrophobic textile-based bioelectrodes for robust self-cleaning and personal health monitoring. <i>Nano Energy</i> , 2022, 97, 107160.	8.2	64
43	A Waterproof Ion-Conducting Fluorinated Elastomer with 6000% Stretchability, Superior Ionic Conductivity, and Harsh Environment Tolerance. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	62
44	Synthesis of the multi-walled carbon nanotubes-COOH/graphene/gold nanoparticles nanocomposite for simple determination of Bilirubin in human blood serum. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 337-344.	4.0	61
45	Cobalt, Nitrogen-Doped Porous Carbon Nanosheet-Assembled Flowers from Metal-Coordinated Covalent Organic Polymers for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1384-1393.	4.0	56
46	Highly ordered graphene architectures by duplicating melamine sponges as a three-dimensional deformation-tolerant electrode. <i>Nano Research</i> , 2016, 9, 2938-2949.	5.8	55
47	Hierarchical Nanostructures of Nitrogen-Doped Porous Carbon Polyhedrons Confined in Carbon Nanosheets for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19871-19880.	4.0	54
48	3D Printed, Solid-State Conductive Ionoelelastomer as a Generic Building Block for Tactile Applications. <i>Advanced Materials</i> , 2022, 34, e2105996.	11.1	54
49	One-step hybridization of graphene nanoribbons with carbon nanotubes and its strong-yet-ductile thermoplastic polyurethane composites. <i>Polymer</i> , 2013, 54, 3124-3130.	1.8	53
50	Highly Stretchable, Fast Self-Healing, and Waterproof Fluorinated Copolymer Ionogels with Selectively Enriched Ionic Liquids for Human-Motion Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49358-49368.	4.0	53
51	Multi-heteroatom-doped hollow carbon nanocages from ZIF-8@CTP nanocomposites as high-performance anodes for sodium-ion batteries. <i>Composites Communications</i> , 2022, 32, 101116.	3.3	51
52	A review on hybridization modification of graphene and its polymer nanocomposites. <i>Science Bulletin</i> , 2012, 57, 3010-3021.	1.7	50
53	Leaf-inspired interwoven carbon nanosheet/nanotube homostructures for supercapacitors with high energy and power densities. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19997-20004.	5.2	49
54	Self-Assembled Mesoporous Carbon Nitride with Tunable Texture for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8291-8299.	3.2	48

#	ARTICLE	IF	CITATIONS
55	Supercritical Carbon Dioxide Assisted Deposition of Fe ₃ O ₄ Nanoparticles on Hierarchical Porous Carbon and Their Lithium-Storage Performance. <i>Chemistry - A European Journal</i> , 2014, 20, 4308-4315.	1.7	47
56	Extremely stretchable and healable ionic conductive hydrogels fabricated by surface competitive coordination for human-motion detection. <i>Chemical Engineering Journal</i> , 2021, 420, 127637.	6.6	47
57	Stretchable and self-healing polyvinyl alcohol/cellulose nanofiber nanocomposite hydrogels for strain sensors with high sensitivity and linearity. <i>Composites Communications</i> , 2021, 24, 100677.	3.3	46
58	Highly Stretchable and Reconfigurable Ionogels with Unprecedented Thermoplasticity and Ultrafast Self-Healability Enabled by Gradient-Responsive Networks. <i>Macromolecules</i> , 2021, 54, 3832-3844.	2.2	45
59	Nonenzymatic sensor for glucose based on a glassy carbon electrode modified with Ni(OH) ₂ nanoparticles grown on a film of molybdenum sulfide. <i>Mikrochimica Acta</i> , 2013, 180, 1127-1134.	2.5	44
60	Hydrogen-bonded network enables polyelectrolyte complex hydrogels with high stretchability, excellent fatigue resistance and self-healability for human motion detection. <i>Composites Part B: Engineering</i> , 2021, 217, 108901.	5.9	44
61	A biomimetic <i>Setaria viridis</i> -inspired electrode with polyaniline nanowire arrays aligned on MoO ₃ @polypyrrole core-shell nanobelts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13428-13437.	5.2	43
62	Nitrogen-doped hollow carbon nanoflowers from a preformed covalent triazine framework for metal-free bifunctional electrocatalysis. <i>Nanoscale</i> , 2020, 12, 14441-14447.	2.8	41
63	Fabrication of electrically conductive graphene/polystyrene composites via a combination of latex and layer-by-layer assembly approaches. <i>Journal of Materials Research</i> , 2013, 28, 611-619.	1.2	40
64	Constructing a "Pizza-Like" MoS ₂ /Polypyrrole/Polyaniline Ternary Architecture with High Energy Density and Superior Cycling Stability for Supercapacitors. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600665.	1.9	40
65	Dense Hydrogen-Bonding Network Boosts Ionic Conductive Hydrogels with Extremely High Toughness, Rapid Self-Recovery, and Autonomous Adhesion for Human-Motion Detection. <i>Research</i> , 2021, 2021, 9761625.	2.8	40
66	Xylem-Inspired Polyimide/MXene Aerogels with Radial Lamellar Architectures for Highly Sensitive Strain Detection and Efficient Solar Steam Generation. <i>Nano Letters</i> , 2022, 22, 4560-4568.	4.5	40
67	Multiwalled carbon nanotube nucleated crystallization behavior of biodegradable poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock	1.3	39
68	Functionalization of graphene and grafting of temperature-responsive surfaces from graphene by ATRP on water. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	38
69	Template-free construction of hollow mesoporous carbon spheres from a covalent triazine framework for enhanced oxygen electroreduction. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 3168-3177.	5.0	37
70	Compressible and Lightweight MXene/Carbon Nanofiber Aerogel with "Layer-Strut" Bracing Microscopic Architecture for Efficient Energy Storage. <i>Advanced Fiber Materials</i> , 2022, 4, 820-831.	7.9	37
71	Molecular-engineered hybrid carbon nanofillers for thermoplastic polyurethane nanocomposites with high mechanical strength and toughness. <i>Composites Part B: Engineering</i> , 2019, 177, 107381.	5.9	36
72	Polyaniline engineering defect-induced nitrogen doped carbon-supported Co ₃ O ₄ hybrid composite as a high-efficiency electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 526, 146626.	3.1	36

#	ARTICLE	IF	CITATIONS
73	Emerging Dual-Channel Transition-Metal-Oxide Quasiaerogels by Self-Embedded Templating. <i>Advanced Functional Materials</i> , 2020, 30, 2000024.	7.8	36
74	Fluorine and Nitrogen Dual-Doped Porous Carbon Nanosheet-Enabled Compact Electrode Structure for High Volumetric Energy Storage. <i>ACS Applied Energy Materials</i> , 2020, 3, 4949-4957.	2.5	36
75	Surface modifications of halloysite nanotubes with superparamagnetic Fe ₃ O ₄ nanoparticles and carbonaceous layers for efficient adsorption of dyes in water treatment. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 971-977.	1.3	35
76	High-temperature solvent-free sulfidation of MoO ₃ confined in a polypyrrole shell: MoS ₂ nanosheets encapsulated in a nitrogen, sulfur dual-doped carbon nanoprism for efficient lithium storage. <i>Nanoscale</i> , 2018, 10, 7536-7543.	2.8	35
77	Simultaneous growth of carbon nanotubes on inner/outer surfaces of porous polyhedra: Advanced sulfur hosts for lithium-sulfur batteries. <i>Nano Research</i> , 2018, 11, 6155-6166.	5.8	33
78	Compressible and robust PANI sponge anchored with erected MXene flakes for human motion detection. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 151, 106671.	3.8	33
79	All-carbon composite paper as a flexible conducting substrate for the direct growth of polyaniline particles and its applications in supercapacitors. <i>Polymer Chemistry</i> , 2013, 4, 5785.	1.9	32
80	Carbon Nanotube with Vertical 2D Molybdenum Sulphoselenide Nanosheet Arrays for Boosting Electrocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 7035-7045.	2.5	32
81	Solvent-Exchange Strategy toward Aqueous Dispersible MoS ₂ Nanosheets and Their Nitrogen-Rich Carbon Sphere Nanocomposites for Efficient Lithium/Sodium Ion Storage. <i>Small</i> , 2019, 15, e1903816.	5.2	31
82	Nitrogen-Doped Carbon Polyhedra Nanopapers: An Advanced Binder-Free Electrode for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5240-5248.	3.2	30
83	Ultrathin Polypyrrole Layers Boosting MoO ₃ as Both Cathode and Anode Materials for a 2.0 V High-Voltage Aqueous Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4490-4499.	4.0	30
84	Preparation and Characterization of Polyurethane/Multiwalled Carbon Nanotube Composites. <i>Polymers and Polymer Composites</i> , 2008, 16, 501-507.	1.0	28
85	The preparation of graphene hybrid films decorated with poly[2-methoxy-5-(2-ethyl-hexyloxy)-1,4-phenylene vinylene] particles prepared by non-solvent induced precipitation. <i>Carbon</i> , 2012, 50, 216-224.	5.4	28
86	Interlayer-Expanded Metal Sulfides on Graphene Triggered by a Molecularly Self-Promoting Process for Enhanced Lithium Ion Storage. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40317-40323.	4.0	28
87	Ultra-highly stretchable and anisotropic SEBS/F127 fiber films equipped with an adaptive deformable carbon nanotube layer for dual-mode strain sensing. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18294-18305.	5.2	28
88	Stereoselectively Assembled Metal-Organic Framework (MOF) Host for Catalytic Synthesis of Carbon Hybrids for Alkaline-Metal-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 5361-5365.	1.6	27
89	Encapsulation of Co-based nanoparticle in N-doped graphitic carbon for efficient oxygen reduction reaction. <i>Carbon</i> , 2020, 156, 31-37.	5.4	27
90	Metallogel-derived 3D porous carbon nanosheet composites as an electrocatalyst for oxygen reduction reaction. <i>Composites Communications</i> , 2020, 20, 100376.	3.3	27

#	ARTICLE	IF	CITATIONS
91	Polyaniline-decorated 3D carbon porous network with excellent electrolyte wettability and high energy density for supercapacitors. <i>Composites Communications</i> , 2021, 24, 100610.	3.3	27
92	Hybridizing Carbon Nitride Colloids with a Shell of Water-Soluble Conjugated Polymers for Tunable Full-Color Emission and Synergistic Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43966-43974.	4.0	26
93	Hierarchical Response Network Boosts Solvent-Free Ionic Conductive Elastomers with Extreme Stretchability, Healability, and Recyclability for Ionic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8404-8416.	4.0	26
94	A novel approach for transferring water-dispersible graphene nanosheets into organic media. <i>Journal of Materials Chemistry</i> , 2012, 22, 11748.	6.7	25
95	Synthesis, characterization and self-assembly behavior in water as fluorescent sensors of cationic water-soluble conjugated polyfluorene-b-poly(N-isopropylacrylamide) diblock copolymers. <i>Polymer</i> , 2009, 50, 1236-1245.	1.8	24
96	3D reactive printing of polyaniline hybrid hydrogel microlattices with large stretchability and high fatigue resistance for wearable pressure sensors. <i>Composites Science and Technology</i> , 2022, 220, 109263.	3.8	24
97	Sandwich-structured composite separators with an anisotropic pore architecture for highly safe Li-ion batteries. <i>Composites Communications</i> , 2018, 8, 46-51.	3.3	23
98	Wet-spinning of ionic liquid@elastomer coaxial fibers with high stretchability and wide temperature resistance for strain sensors. <i>Composites Communications</i> , 2021, 25, 100693.	3.3	23
99	Polymorphism of electrospun polyvinylidene difluoride/carbon nanotube (CNT) nanocomposites: Synergistic effects of CNT surface chemistry, extensional force and supercritical carbon dioxide treatment. <i>Polymer</i> , 2012, 53, 5097-5102.	1.8	22
100	Confined sulfidation strategy toward cobalt sulfide@nitrogen, sulfur co-doped carbon core-shell nanocomposites for lithium-ion battery anodes. <i>Composites Communications</i> , 2019, 15, 162-167.	3.3	22
101	2D nanosheet-constructed hybrid nanofillers for polymer nanocomposites with synergistic dispersion and function. <i>APL Materials</i> , 2019, 7, .	2.2	22
102	Assembly of 2D graphene sheets and 3D carbon nanospheres into flexible composite electrodes for high-performance supercapacitors. <i>Composites Communications</i> , 2019, 12, 117-122.	3.3	22
103	Facile fabrication of polystyrene/carbon nanotube composite nanospheres with core-shell structure via self-assembly. <i>Polymer</i> , 2010, 51, 3715-3721.	1.8	21
104	Sponge-Hosting Polyaniline Array Microstructures for Piezoresistive Sensors with a Wide Detection Range and High Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30228-30235.	4.0	21
105	Layer-by-layer self-assembly of polyimide precursor/layered double hydroxide ultrathin films. <i>Thin Solid Films</i> , 2010, 518, 7081-7085.	0.8	20
106	Preparation and characterization of organic-inorganic hybrid nanomaterials using polyurethane-b-poly[3-(trimethoxysilyl) propyl methacrylate] via RAFT polymerization. <i>EXPRESS Polymer Letters</i> , 2010, 4, 17-25.	1.1	20
107	Highly stretchable and self-healable ionogels with multiple sensitivity towards compression, strain and moisture for skin-inspired ionic sensors. <i>Science China Materials</i> , 2022, 65, 2252-2261.	3.5	20
108	Preparation, morphology, and biolabeling of fluorescent nanoparticles based on conjugated polymers by emulsion polymerization. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4867-4874.	2.5	19

#	ARTICLE	IF	CITATIONS
109	3D honeycombed cobalt, nitrogen co-doped carbon nanosheets via hypersaline-protected pyrolysis towards efficient oxygen reduction. <i>Nanotechnology</i> , 2020, 31, 364003.	1.3	18
110	Automatically Modulated Thermo-responsive Film Based on a Phase-Changing Copolymer. <i>Chemistry of Materials</i> , 2021, 33, 7232-7241.	3.2	18
111	Stretchable, Environment-Stable, and Knittable Ionic Conducting Fibers Based on Metalgels for Wearable Wide-Range and Durable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4542-4551.	4.0	18
112	Superelastic, Fatigue-Resistant, and Flame-Retardant Spongy Conductor for Human Motion Detection against a Harsh High-Temperature Condition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7580-7591.	4.0	16
113	Strong-Weak Response Network-Enabled Ionic Conductive Hydrogels with High Stretchability, Self-Healability, and Self-Adhesion for Ionic Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32551-32560.	4.0	16
114	Nitrogen Boosts Defective Vanadium Oxide from Semiconducting to Metallic Merit. <i>Small</i> , 2019, 15, e1900583.	5.2	15
115	One-pot hydrothermal synthesis and reusable oil-adsorbing properties of porous carbonaceous monoliths using multi-walled carbon nanotubes as templates. <i>RSC Advances</i> , 2013, 3, 14938.	1.7	14
116	Conducting Polymer-Based Composite Materials for Therapeutic Implantations: From Advanced Drug Delivery System to Minimally Invasive Electronics. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-16.	1.2	14
117	Synthesis and electrochemical performance of core-shell NiCo ₂ S ₄ @nitrogen, sulfur dual-doped carbon composites via confined sulfidation strategy in a polydopamine nanoreactor. <i>Composites Communications</i> , 2019, 12, 74-79.	3.3	13
118	Highly stretchable, self-healable and self-adhesive polyzwitterion ionogels enabled with binary noncovalent interactions. <i>Composites Communications</i> , 2022, 34, 101251.	3.3	13
119	Supramolecular Assembly of 1D Pristine Carbon Nanotubes and 2D Graphene Oxides into Macroscopic All-Carbon Hybrid Sponges for High-Energy-Density Supercapacitors. <i>ChemNanoMat</i> , 2017, 3, 447-453.	1.5	12
120	Molten salt-confined pyrolysis towards carbon nanotube-backboned microporous carbon for high-energy-density and durable supercapacitor electrodes. <i>Nanotechnology</i> , 2021, 32, 095605.	1.3	11
121	Thermo-spun reaction encapsulation fabrication of environment-stable and knittable fibrous ionic conductors with large elasticity and high fatigue resistance. <i>Chemical Engineering Journal</i> , 2022, 435, 134826.	6.6	10
122	Poly (̢-Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. <i>Nanoscale Research Letters</i> , 2018, 13, 219.	3.1	7
123	Hierarchically Organized Nanocomposites Derived from Low-dimensional Nanomaterials for Efficient Removal of Organic Pollutants. <i>Current Organic Chemistry</i> , 2015, 19, 498-511.	0.9	7
124	Coaxial-cable hierarchical tubular MnO ₂ @Fe ₃ O ₄ @C heterostructures as advanced anodes for lithium-ion batteries. <i>Nanotechnology</i> , 2019, 30, 094002.	1.3	5
125	Ultra-stretchable, self-healable, and reprocessable ionic conductive hydrogels enabled by dual dynamic networks. <i>Journal of Polymer Science</i> , 2022, 60, 2817-2827.	2.0	5
126	Cryopolymerization-enabled self-wrinkled polyaniline-based hydrogels for highly stretchable all-in-one supercapacitors. <i>Exploration</i> , 2022, 2, .	5.4	4

#	ARTICLE	IF	CITATIONS
127	Cryo-spin encapsulation of polyaniline-based conducting hydrogels with high sensitivity, wide-range linearity, and environmental stability for fibrous strain sensors. <i>Journal of Polymer Science</i> , 2022, 60, 2710-2719.	2.0	3
128	Spatial Adjustment Strategy to Improve the Sensitivity of Ionogels for Flexible Sensors. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	3
129	Carbon composites from iron-chelating pyridine nitrogen-rich coordinated nanosheets for oxygen reduction. <i>Functional Composite Materials</i> , 2022, 3, .	0.9	0