

Chao Zhang

List of Publications by Year in descending order

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129
papers

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38742
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all docs

130
docs citations

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times ranked

10753
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Printed, Solid-State Conductive Ionogel as a Generic Building Block for Tactile Applications. <i>Advanced Materials</i> , 2022, 34, e2105996.	21.0	54
2	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.	3.8	3
3	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.	9.4	37
4	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.	7.8	24
5	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.	8.0	30
6	Stretchable, Environment-Stable, and Knittable Ionic Conducting Fibers Based on Metallogels for Wearable Wide-Range and Durable Strain Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4542-4551.	8.0	18
7	Spatial Adjustment Strategy to Improve the Sensitivity of Ionogels for Flexible Sensors. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	3
8	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.	12.7	10
9	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.	8.0	26
10	Compressible and Lightweight MXene/Carbon Nanofiber Aerogel with α -Layer-Strut-Bracing Microscopic Architecture for Efficient Energy Storage. <i>Advanced Fiber Materials</i> , 2022, 4, 820-831.	16.1	37
11	Carbon composites from iron-chelating pyridine nitrogen-rich coordinated nanosheets for oxygen reduction. <i>Functional Composite Materials</i> , 2022, 3, .	1.4	0
12	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.	6.3	20
13	Ultra-stretchable and superhydrophobic textile-based bioelectrodes for robust self-cleaning and personal health monitoring. <i>Nano Energy</i> , 2022, 97, 107160.	16.0	64
14	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.	6.3	51
15	A Waterproof Ion-Conducting Fluorinated Elastomer with 6000% Stretchability, Superior Ionic Conductivity, and Harsh Environment Tolerance. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	62
16	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.	9.1	40
17	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.	8.0	21
18	Cryopolymerization-enabled self-wrinkled polyaniline-based hydrogels for highly stretchable all-in-one supercapacitors. <i>Exploration</i> , 2022, 2, .	11.0	4

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19	Highly stretchable, self-healable and self-adhesive polyzwitterion ionogels enabled with binary noncovalent interactions. <i>Composites Communications</i> , 2022, 34, 101251.	6.3	13
20	Ultra-stretchable, self-healable, and reprocessable ionic conductive hydrogels enabled by dual dynamic networks. <i>Journal of Polymer Science</i> , 2022, 60, 2817-2827.	3.8	5
21	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.	8.0	16
22	Extremely stretchable and healable ionic conductive hydrogels fabricated by surface competitive coordination for human-motion detection. <i>Chemical Engineering Journal</i> , 2021, 420, 127637.	12.7	47
23	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.	8.0	16
24	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.	8.0	71
25	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.	6.3	46
26	Polyaniline-decorated 3D carbon porous network with excellent electrolyte wettability and high energy density for supercapacitors. <i>Composites Communications</i> , 2021, 24, 100610.	6.3	27
27	Highly Stretchable and Reconfigurable Ionogels with Unprecedented Thermoplasticity and Ultrafast Self-Healability Enabled by Gradient-Responsive Networks. <i>Macromolecules</i> , 2021, 54, 3832-3844.	4.8	45
28	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.	5.7	40
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.	12.7	88
30	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.	6.3	23
31	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.	12.0	44
32	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.	8.0	76
33	Automatically Modulated Thermoresponsive Film Based on a Phase-Changing Copolymer. <i>Chemistry of Materials</i> , 2021, 33, 7232-7241.	6.7	18
34	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.	10.3	28
35	Dopamine-Triggered Hydrogels with High Transparency, Self-Adhesion, and Thermoresponse as Skinlike Sensors. <i>ACS Nano</i> , 2021, 15, 1785-1794.	14.6	190
36	Molten salt-confined pyrolysis towards carbon nanotube-backboned microporous carbon for high-energy-density and durable supercapacitor electrodes. <i>Nanotechnology</i> , 2021, 32, 095605.	2.6	11

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37	Highly Stretchable, Fast Self-Healing, and Waterproof Fluorinated Copolymer Ionogels with Selectively Enriched Ionic Liquids for Human-Motion Detection. ACS Applied Materials & Interfaces, 2021, 13, 49358-49368.	8.0	53
38	Compressible and robust PANI sponge anchored with erected MXene flakes for human motion detection. Composites Part A: Applied Science and Manufacturing, 2021, 151, 106671.	7.6	33
39	Recent advances in conductive polymer hydrogel composites and nanocomposites for flexible electrochemical supercapacitors. Chemical Communications, 2021, 58, 185-207.	4.1	81
40	Encapsulation of Co-based nanoparticle in N-doped graphitic carbon for efficient oxygen reduction reaction. Carbon, 2020, 156, 31-37.	10.3	27
41	Cryopolymerization enables anisotropic polyaniline hybrid hydrogels with superelasticity and highly deformation-tolerant electrochemical energy storage. Nature Communications, 2020, 11, 62.	12.8	189
42	Metal-Free Multi-Heteroatom-Doped Carbon Bifunctional Electrocatalysts Derived from a Covalent Triazine Polymer. Small, 2020, 16, e2004342.	10.0	117
43	Metallogel-derived 3D porous carbon nanosheet composites as an electrocatalyst for oxygen reduction reaction. Composites Communications, 2020, 20, 100376.	6.3	27
44	3D honeycombed cobalt, nitrogen co-doped carbon nanosheets via hypersaline-protected pyrolysis towards efficient oxygen reduction. Nanotechnology, 2020, 31, 364003.	2.6	18
45	Polyaniline engineering defect-induced nitrogen doped carbon-supported Co ₃ O ₄ hybrid composite as a high-efficiency electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2020, 526, 146626.	6.1	36
46	Nitrogen-doped hollow carbon nanoflowers from a preformed covalent triazine framework for metal-free bifunctional electrocatalysis. Nanoscale, 2020, 12, 14441-14447.	5.6	41
47	Conducting Polymer-Based Composite Materials for Therapeutic Implantations: From Advanced Drug Delivery System to Minimally Invasive Electronics. International Journal of Polymer Science, 2020, 2020, 1-16.	2.7	14
48	Emerging Dual-Channel Transition-Metal-Oxide Quas aerogels by Self-Embedded Templating. Advanced Functional Materials, 2020, 30, 2000024.	14.9	36
49	Fluorine and Nitrogen Dual-Doped Porous Carbon Nanosheet-Enabled Compact Electrode Structure for High Volumetric Energy Storage. ACS Applied Energy Materials, 2020, 3, 4949-4957.	5.1	36
50	Confined sulfidation strategy toward cobalt sulfide@nitrogen, sulfur co-doped carbon core-shell nanocomposites for lithium-ion battery anodes. Composites Communications, 2019, 15, 162-167.	6.3	22
51	Self-Templated Conversion of Metallogel into Heterostructured TMP@Carbon Quas aerogels Boosting Bifunctional Electrocatalysis. Advanced Functional Materials, 2019, 29, 1903660.	14.9	93
52	Solvent-Exchange Strategy toward Aqueous Dispersible MoS ₂ Nanosheets and Their Nitrogen-Rich Carbon Sphere Nanocomposites for Efficient Lithium/Sodium Ion Storage. Small, 2019, 15, e1903816.	10.0	31
53	Molecular-engineered hybrid carbon nanofillers for thermoplastic polyurethane nanocomposites with high mechanical strength and toughness. Composites Part B: Engineering, 2019, 177, 107381.	12.0	36
54	2D nanosheet-constructed hybrid nanofillers for polymer nanocomposites with synergistic dispersion and function. APL Materials, 2019, 7, .	5.1	22

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55	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.	6.3	22
56	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.	10.3	243
57	Nitrogen Boosts Defective Vanadium Oxide from Semiconducting to Metallic Merit. <i>Small</i> , 2019, 15, e1900583.	10.0	15
58	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.	6.7	30
59	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.	2.0	27
60	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.	13.8	79
61	Coaxial-cable hierarchical tubular $\text{MnO}_2 @ \text{Fe}_3\text{O}_4 @ \text{C}$ heterostructures as advanced anodes for lithium-ion batteries. <i>Nanotechnology</i> , 2019, 30, 094002.	2.6	5
62	Synthesis and electrochemical performance of core-shell $\text{NiCo}_2\text{S}_4 @ \text{nitrogen, sulfur dual-doped carbon}$ composites via confined sulfidation strategy in a polydopamine nanoreactor. <i>Composites Communications</i> , 2019, 12, 74-79.	6.3	13
63	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.	8.0	70
64	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.	8.0	56
65	Efficient Hydrogen Production on a 3D Flexible Heterojunction Material. <i>Advanced Materials</i> , 2018, 30, e1707082.	21.0	158
66	Polyaniline/graphene nanocomposites towards high-performance supercapacitors: A review. <i>Composites Communications</i> , 2018, 8, 83-91.	6.3	133
67	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.	5.6	35
68	Carbon Nanotube with Vertical 2D Molybdenum Sulphoselenide Nanosheet Arrays for Boosting Electrocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 7035-7045.	5.1	32
69	Plasma-Assisted Synthesis of NiSe_2 Ultrathin Porous Nanosheets with Selenium Vacancies for Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41861-41865.	8.0	104
70	Palladium/Graphitic Carbon Nitride ($\text{g-C}_3\text{N}_4$) 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.	13.8	135
71	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.	8.0	54
72	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.	6.7	48

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73	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.	10.4	33
74	Sandwich-structured composite separators with an anisotropic pore architecture for highly safe Li-ion batteries. <i>Composites Communications</i> , 2018, 8, 46-51.	6.3	23
75	Poly (β -Glutamic Acid) Promotes Enhanced Dechlorination of p-Chlorophenol by Fe-Pd Nanoparticles. <i>Nanoscale Research Letters</i> , 2018, 13, 219.	5.7	7
76	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.	10.3	43
77	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.	10.3	86
78	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.	2.8	12
79	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.	13.8	90
80	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.	8.0	28
81	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.	10.3	49
82	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.	8.0	96
83	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.	8.0	26
84	Conducting polymer composites: material synthesis and applications in electrochemical capacitive energy storage. <i>Materials Chemistry Frontiers</i> , 2017, 1, 251-268.	5.9	160
85	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.	14.9	65
86	Highly ordered graphene architectures by duplicating melamine sponges as a three-dimensional deformation-tolerant electrode. <i>Nano Research</i> , 2016, 9, 2938-2949.	10.4	55
87	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.	3.7	40
88	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.	8.0	133
89	Supercapacitive energy storage performance of molybdenum disulfide nanosheets wrapped with microporous carbons. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3097-3102.	10.3	70
90	Graphene/carbon aerogels derived from graphene crosslinked polyimide as electrode materials for supercapacitors. <i>RSC Advances</i> , 2015, 5, 1301-1308.	3.6	94

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91	Hierarchically Organized Nanocomposites Derived from Low-dimensional Nanomaterials for Efficient Removal of Organic Pollutants. <i>Current Organic Chemistry</i> , 2015, 19, 498-511.	1.6	7
92	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.	2.6	35
93	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.	3.3	47
94	Blood Ties: Co ₃ O ₄ Decorated Blood Derived Carbon as a Superior Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2014, 24, 7655-7665.	14.9	113
95	One-step synthesis of graphene nanoribbon-MnO ₂ hybrids and their all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , 2014, 6, 4233.	5.6	186
96	Simultaneous reinforcement and toughening of polyurethane composites with carbon nanotube/halloysite nanotube hybrids. <i>Composites Science and Technology</i> , 2014, 91, 98-103.	7.8	64
97	Ni-Doped Graphene/Carbon Cryogels and Their Applications As Versatile Sorbents for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7584-7591.	8.0	126
98	Hierarchical composites of polyaniline-graphene nanoribbons-carbon nanotubes as electrode materials in all-solid-state supercapacitors. <i>Nanoscale</i> , 2013, 5, 7312.	5.6	176
99	Exfoliated MoS ₂ nanosheets as efficient catalysts for electrochemical hydrogen evolution. <i>Electrochimica Acta</i> , 2013, 109, 269-275.	5.2	125
100	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.	5.0	44
101	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.	9.4	127
102	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.	3.6	14
103	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.	3.9	32
104	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.	13.8	184
105	Graphene-Wrapped Polyaniline Hollow Spheres As Novel Hybrid Electrode Materials for Supercapacitor Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3382-3391.	8.0	310
106	One-step hybridization of graphene nanoribbons with carbon nanotubes and its strong-yet-ductile thermoplastic polyurethane composites. <i>Polymer</i> , 2013, 54, 3124-3130.	3.8	53
107	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.	7.8	61
108	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.	2.6	40

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109	A review on hybridization modification of graphene and its polymer nanocomposites. Science Bulletin, 2012, 57, 3010-3021.	1.7	50
110	Immobilization of Co-Al Layered Double Hydroxides on Graphene Oxide Nanosheets: Growth Mechanism and Supercapacitor Studies. ACS Applied Materials & Interfaces, 2012, 4, 2242-2249.	8.0	186
111	Hybridization of graphene sheets and carbon-coated Fe ₃ O ₄ nanoparticles as a synergistic adsorbent of organic dyes. Journal of Materials Chemistry, 2012, 22, 25108.	6.7	214
112	Facile preparation of water-dispersible graphene sheets stabilized by acid-treated multi-walled carbon nanotubes and their poly(vinyl alcohol) composites. Journal of Materials Chemistry, 2012, 22, 2427-2434.	6.7	168
113	Polymorphism of electrospun polyvinylidene difluoride/carbon nanotube (CNT) nanocomposites: Synergistic effects of CNT surface chemistry, extensional force and supercritical carbon dioxide treatment. Polymer, 2012, 53, 5097-5102.	3.8	22
114	A novel approach for transferring water-dispersible graphene nanosheets into organic media. Journal of Materials Chemistry, 2012, 22, 11748.	6.7	25
115	Functionalization of graphene and grafting of temperature-responsive surfaces from graphene by ATRP in water. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	38
116	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. Carbon, 2012, 50, 216-224.	10.3	28
117	Aqueous stabilization of graphene sheets using exfoliated montmorillonite nanoplatelets for multifunctional free-standing hybrid films via vacuum-assisted self-assembly. Journal of Materials Chemistry, 2011, 21, 18011.	6.7	77
118	Dramatically Enhanced Mechanical Performance of Nylon-6 Magnetic Composites with Nanostructured Hybrid One-Dimensional Carbon Nanotube-Two-Dimensional Clay Nanoplatelet Heterostructures. Journal of Physical Chemistry B, 2011, 115, 3392-3399.	2.6	87
119	Facile Fabrication of Functionalized Graphene Sheets (FGS)/ZnO Nanocomposites with Photocatalytic Property. ACS Applied Materials & Interfaces, 2011, 3, 2779-2785.	8.0	183
120	Water dispersible graphene noncovalently functionalized with tryptophan and its poly(vinyl alcohol) nanocomposite. Composites Part B: Engineering, 2011, 42, 2130-2135.	12.0	125
121	Structural characterization, thermal and mechanical properties of polyurethane/CoAl layered double hydroxide nanocomposites prepared via in situ polymerization. Composites Science and Technology, 2011, 71, 791-796.	7.8	73
122	Facile fabrication of polystyrene/carbon nanotube composite nanospheres with core-shell structure via self-assembly. Polymer, 2010, 51, 3715-3721.	3.8	21
123	Layer-by-layer self-assembly of polyimide precursor/layered double hydroxide ultrathin films. Thin Solid Films, 2010, 518, 7081-7085.	1.8	20
124	Preparation, morphology, and biolabeling of fluorescent nanoparticles based on conjugated polymers by emulsion polymerization. Journal of Polymer Science Part A, 2010, 48, 4867-4874.	2.3	19
125	Preparation and characterization of organic-inorganic hybrid nanomaterials using polyurethane-b-poly[3-(trimethoxysilyl) propyl methacrylate] via RAFT polymerization. EXPRESS Polymer Letters, 2010, 4, 17-25.	2.1	20
126	Graphene Oxide-Assisted Dispersion of Pristine Multiwalled Carbon Nanotubes in Aqueous Media. Journal of Physical Chemistry C, 2010, 114, 11435-11440.	3.1	307

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127	Multiwalled carbon nanotube nucleated crystallization behavior of biodegradable poly(butylene) Tj ETQq1 1 0.784314 rgBT /Qyerlock	2.6	39
128	Synthesis, characterization and self-assembly behavior in water as fluorescent sensors of cationic water-soluble conjugated polyfluorene-b-poly(N-isopropylacrylamide) diblock copolymers. Polymer, 2009, 50, 1236-1245.	3.8	24
129	Preparation and Characterization of Polyurethane/Multiwalled Carbon Nanotube Composites. Polymers and Polymer Composites, 2008, 16, 501-507.	1.9	28