

Yingkui Yang

List of Publications by Citations

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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.

101
papers

3,048
citations

32
h-index

52
g-index

108
ext. papers

3,684
ext. citations

9
avg, IF

5.51
L-index

#	Paper	IF	Citations
101	Improving thermal conductivity while retaining high electrical resistivity of epoxy composites by incorporating silica-coated multi-walled carbon nanotubes. <i>Carbon</i> , 2011 , 49, 495-500	10.4	237
100	Graphene-based materials with tailored nanostructures for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2016 , 102, 1-72	30.9	189
99	Crafting Mussel-Inspired Metal Nanoparticle-Decorated Ultrathin Graphitic Carbon Nitride for the Degradation of Chemical Pollutants and Production of Chemical Resources. <i>Advanced Materials</i> , 2019 , 31, e1806314	24	139
98	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4488-4493	16.4	122
97	Graphene-Enabled Superior and Tunable Photomechanical Actuation in Liquid Crystalline Elastomer Nanocomposites. <i>Advanced Materials</i> , 2015 , 27, 6376-81	24	111
96	Multiwalled Carbon Nanotubes Functionalized by Hyperbranched Poly(urea-urethane)s by a One-Pot Polycondensation. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1695-1701	4.8	83
95	A facile method to fabricate silica-coated carbon nanotubes and silica nanotubes from carbon nanotubes templates. <i>Journal of Materials Science</i> , 2009 , 44, 4539-4545	4.3	76
94	Novel all-cellulose eco-composites prepared in ionic liquids. <i>Cellulose</i> , 2009 , 16, 217-226	5.5	74
93	Emerging covalent organic frameworks tailored materials for electrocatalysis. <i>Nano Energy</i> , 2020 , 70, 104525	17.1	73
92	Progress in Imidazolium Ionic Liquids Assisted Fabrication of Carbon Nanotube and Graphene Polymer Composites. <i>Polymers</i> , 2013 , 5, 847-872	4.5	72
91	Synthesis of electroactive tetraaniline-PEO-tetraaniline triblock copolymer and its self-assembled vesicle with acidity response. <i>Langmuir</i> , 2010 , 26, 9386-92	4	70
90	Synthesis and self-assembly of polystyrene-grafted multiwalled carbon nanotubes with a hairy-rod nanostructure. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 3869-3881	2.5	65
89	Hollow titanium dioxide spheres as anode material for lithium ion battery with largely improved rate stability and cycle performance by suppressing the formation of solid electrolyte interface layer. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13340-13349	13	63
88	Structure and Photoresponsive Behaviors of Multiwalled Carbon Nanotubes Grafted by Polyurethanes Containing Azobenzene Side Chains. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11231-11239	3.8	61
87	Unconventional Route to Oxygen-Vacancy-Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1611-1618	16.4	60
86	Controlled Synthesis and Novel Solution Rheology of Hyperbranched Poly(urea-urethane)-Functionalized Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , 2007 , 40, 5858-5867	5.5	52
85	In-situ growth of polypyrrole onto bamboo cellulose-derived compressible carbon aerogels for high performance supercapacitors. <i>Electrochimica Acta</i> , 2019 , 301, 55-62	6.7	50

84	Vertically aligned VS2 on graphene as a 3D heteroarchitected anode material with capacitance-dominated lithium storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5882-5889	13	45
83	Conductive nanocomposite hydrogels with self-healing property. <i>RSC Advances</i> , 2014 , 4, 35149-35155	3.7	45
82	A facile, green, and tunable method to functionalize carbon nanotubes with water-soluble azo initiators by one-step free radical addition. <i>Applied Surface Science</i> , 2010 , 256, 3286-3292	6.7	45
81	Synthesis of hemin functionalized graphene and its application as a counter electrode in dye-sensitized solar cells. <i>Materials Chemistry and Physics</i> , 2012 , 132, 858-864	4.4	42
80	Simultaneously Crafting Single-Atomic Fe Sites and Graphitic Layer-Wrapped Fe ₃ C Nanoparticles Encapsulated within Mesoporous Carbon Tubes for Oxygen Reduction. <i>Advanced Functional Materials</i> , 2021 , 31, 2009197	15.6	42
79	Scalable sonochemical synthesis of petal-like MnO ₂ /graphene hierarchical composites for high-performance supercapacitors. <i>Composites Part B: Engineering</i> , 2019 , 161, 37-43	10	39
78	Phytic acid assisted fabrication of graphene/polyaniline composite hydrogels for high-capacitance supercapacitors. <i>Composites Part B: Engineering</i> , 2018 , 155, 132-137	10	38
77	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surface-initiated RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 467-484	2.5	38
76	Poly(ionic liquid)-assisted reduction of graphene oxide to achieve high-performance composite electrodes. <i>Composites Part B: Engineering</i> , 2016 , 106, 81-87	10	36
75	Synthesis and electrochemical probing of water-soluble poly(sodium 4-styrenesulfonate-co-acrylic acid)-grafted multiwalled carbon nanotubes. <i>Nanotechnology</i> , 2008 , 19, 085716	3.4	36
74	Polyoxometalate-enabled photoreduction of graphene oxide to bioinspired nacre-like composite films for supercapacitor electrodes. <i>Composites Part B: Engineering</i> , 2017 , 121, 75-82	10	33
73	Highly Branched Metal Alloy Networks with Superior Activities for the Methanol Oxidation Reaction. <i>Angewandte Chemie</i> , 2017 , 129, 4559-4564	3.6	33
72	Tailoring carrier dynamics in perovskite solar cells via precise dimension and architecture control and interfacial positioning of plasmonic nanoparticles. <i>Energy and Environmental Science</i> , 2020 , 13, 1743-1752	35.4	33
71	Judicious selection of bifunctional molecules to chemically modify graphene for improving nanomechanical and thermal properties of polymer composites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20038-20047	13	33
70	A facile method to prepare CdS/polystyrene composite particles. <i>Journal of Colloid and Interface Science</i> , 2008 , 326, 121-8	9.3	33
69	Electrochemically Active Phosphotungstic Acid Assisted Prevention of Graphene Restacking for High-Capacitance Supercapacitors. <i>Energy and Environmental Materials</i> , 2018 , 1, 88-95	13	32
68	Development of Direct-Laser-Printable Light-Powered Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19541-19553	9.5	31
67	Conjugated polyimide-coated carbon nanofiber aerogels in a redox electrolyte for binder-free supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 401, 126031	14.7	31

66	Green chemical functionalization of multiwalled carbon nanotubes with poly(ϵ -caprolactone) in ionic liquids. <i>Applied Surface Science</i> , 2010 , 257, 1010-1014	6.7	31
65	Bioinspired Co ₃ O ₄ /graphene layered composite films as self-supported electrodes for supercapacitors. <i>Composites Part B: Engineering</i> , 2017 , 121, 68-74	10	30
64	In situ encapsulation of CoO polyhedra in graphene sheets for high-capacitance supercapacitors. <i>Dalton Transactions</i> , 2019 , 48, 5773-5778	4.3	29
63	Scalable mechanochemical coupling of homogeneous Co ₃ O ₄ nanocrystals onto in-situ exfoliated graphene sheets for asymmetric supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 397, 125503	14.7	29
62	Simultaneous polymerization enabled the facile fabrication of S-doped carbons with tunable mesoporosity for high-capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23513-23522	13	28
61	Room-temperature catalytic growth of hierarchical urchin-like MnO ₂ spheres on graphene to achieve silver-doped nanocomposites with improved supercapacitor performance. <i>Electrochimica Acta</i> , 2016 , 222, 1393-1401	6.7	28
60	Core/shell rubber toughened polyamide 6: an effective way to get good balance between toughness and yield strength. <i>RSC Advances</i> , 2013 , 3, 21563	3.7	28
59	Functionalization of carbon nanotubes with biodegradable supramolecular polypseudorotaxanes from grafted-poly(ϵ -caprolactone) and β -cyclodextrins. <i>European Polymer Journal</i> , 2010 , 46, 145-155	5.2	28
58	Unconventional Route to Oxygen-Vacancy-Enabled Highly Efficient Electron Extraction and Transport in Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2020 , 132, 1628-1635	3.6	28
57	A facile method for the synthesis of ZnS/polystyrene composite particles and ZnS hollow micro-spheres. <i>Journal of Materials Science</i> , 2010 , 45, 777-782	4.3	27
56	Enabling highly efficient photocatalytic hydrogen generation and organics degradation via a perovskite solar cell-assisted semiconducting nanocomposite photoanode. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 165-171	13	25
55	Photomechanically Controlled Encapsulation and Release from pH-Responsive and Photoresponsive Microcapsules. <i>Langmuir</i> , 2015 , 31, 5456-63	4	24
54	Robust polyazobenzene microcapsules with photoresponsive pore channels and tunable release profiles. <i>European Polymer Journal</i> , 2012 , 48, 41-48	5.2	24
53	Combination of 1D Ni(OH) ₂ nanobelts and 2D graphene sheets to fabricate 3D composite hydrogel electrodes with ultrahigh capacitance and superior rate capability. <i>Composites Science and Technology</i> , 2018 , 167, 155-163	8.6	22
52	An Effective Method for Bulk Obtaining Graphene Oxide Solids. <i>Chinese Journal of Chemistry</i> , 2010 , 28, 1935-1940	4.9	22
51	Hydrothermally self-templated synthesis of rectangular polyimide submicrotubes and promising potentials in electrochemical energy storage. <i>Chemical Communications</i> , 2020 , 56, 1429-1432	5.8	22
50	Multi-functional PEDOT-engineered sodium titanate nanowires for sodium-ion batteries with synchronous improvements in rate capability and structural stability. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19241-19247	13	20
49	A molecular engineering approach to pore-adjustable nanoporous carbons with narrow distribution for high-performance supercapacitors. <i>Chemical Communications</i> , 2019 , 55, 2305-2308	5.8	19

48	Well-structured holographic polymer dispersed liquid crystals by employing acrylamide and doping ZnS nanoparticles. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 294-303	7.8	19
47	A facile solvothermal polymerization approach to thermoplastic polymer-based nanocomposites as alternative anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23019-23027	13	18
46	Alternating Stacking of Nanocrystals and Nanofibers into Ultrastrong Chiral Biocomposite Laminates. <i>ACS Nano</i> , 2020 , 14, 14675-14685	16.7	18
45	Sonochemistry-enabled uniform coupling of SnO nanocrystals with graphene sheets as anode materials for lithium-ion batteries.. <i>RSC Advances</i> , 2019 , 9, 5942-5947	3.7	14
44	In Situ Templating Approach To Fabricate Small-Mesopore-Dominant S-Doped Porous Carbon Electrodes for Supercapacitors and Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5591-5599	6.1	13
43	Simultaneous Polymerization Enabled the Confinement of Size-Adjustable TiO ₂ Nanocrystals in S-Doped Carbons for High-Rate Anode Materials. <i>Energy Technology</i> , 2019 , 7, 1900247	3.5	11
42	One-Pot hydrothermal approach to graphene/Poly(3,4-ethylenedioxythiophene) composites for high-capacitance supercapacitors. <i>Materials Today Communications</i> , 2019 , 20, 100549	2.5	11
41	Sulphur, nitrogen-doped TiO ₂ /graphene oxide composites as a high performance photocatalyst. <i>Journal of Experimental Nanoscience</i> , 2014 , 9, 749-761	1.9	11
40	Redox-active polymers as organic electrode materials for sustainable supercapacitors. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 147, 111247	16.2	11
39	Binary carbon-based additives in LiFePO ₄ cathode with favorable lithium storage. <i>Nanotechnology Reviews</i> , 2020 , 9, 934-944	6.3	10
38	Polymers in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2021 , e2103798	13.6	10
37	Scalable Polymerization Approach to Tailoring Morphologies of Polyimide-Derived N-Doped Carbons for High-Performance Supercapacitors. <i>Energy Technology</i> , 2020 , 8, 1901013	3.5	10
36	One-pot mechanochemical exfoliation of graphite and polymerization of aniline for the production of graphene/polyaniline composites for high-performance supercapacitors.. <i>RSC Advances</i> , 2020 , 10, 44688-44698	3.7	9
35	Synthesis and photo-responsive behaviors of hollow polyazobenzene micro-spheres. <i>Science Bulletin</i> , 2010 , 55, 3441-3447		9
34	Facile One Pot Polycondensation Method to Synthesize the Crosslinked Polyethylene glycol-Based Copolymer Electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1607-1613	2.6	9
33	Homogeneous coating of carbon nanotubes with tailored N-doped carbon layers for improved electrochemical energy storage.. <i>RSC Advances</i> , 2019 , 9, 40933-40939	3.7	9
32	Heteroarchitecturing a novel three-dimensional hierarchical MoO ₂ /MoS ₂ /carbon electrode material for high-energy and long-life lithium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13001-13007	13	8
31	In situ growth of polyimide nanoarrays on conductive carbon supports for high-rate charge storage and long-lived metal-free cathodes. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10652-10660	13	8

30	Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7487-7496	9.5	7
29	A Simple Glucose-Blowing Approach to Graphene-Like Foam/NiO Composites for Asymmetric Supercapacitors. <i>Energy Technology</i> , 2020 , 8, 1900923	3.5	7
28	One-pot solvothermal incorporation of graphene into chain-engineered polyquinones for metal-free supercapacitors. <i>Chemical Communications</i> , 2020 , 56, 11191-11194	5.8	7
27	Chain structure-dependent electrochemical performance of polyimide cathode materials for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 3900-3910	4.3	7
26	Pyrolysis-free covalent organic framework-based materials for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20985-21004	13	7
25	Designing Advanced Aqueous Zinc-Ion Batteries: Principles, Strategies and Perspectives. <i>Energy and Environmental Materials</i> ,	13	7
24	Chain engineering of carbonyl polymers for sustainable lithium-ion batteries. <i>Materials Today</i> , 2021 , 50, 170-170	21.8	7
23	Control on self-assembly structures of rod-coil-rod (PANI) ₉₈ (PEG) ₁₃₆ (PANI) ₉₈ triblock copolymer. <i>Frontiers of Chemical Engineering in China</i> , 2008 , 2, 85-88		6
22	Incorporation of redox-active polyimide binder into LiFePO ₄ cathode for high-rate electrochemical energy storage. <i>Nanotechnology Reviews</i> , 2020 , 9, 1350-1358	6.3	6
21	Surfactant-Directed Engineering of Hierarchical Porous Heteroatom-Doped Carbons for High-Energy Supercapacitors. <i>Energy Technology</i> , 2020 , 8, 2070123	3.5	6
20	Conjugated cyclized-polyacrylonitrile encapsulated carbon nanotubes as core-shell heterostructured anodes with favorable lithium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6962-6970	13.7	5
19	Environmental Remediation: Crafting Mussel-Inspired Metal Nanoparticle-Decorated Ultrathin Graphitic Carbon Nitride for the Degradation of Chemical Pollutants and Production of Chemical Resources (Adv. Mater. 15/2019). <i>Advanced Materials</i> , 2019 , 31, 1970110	24	4
18	Facile simultaneous polymerization enabled in-situ confinement of size-tailored GeO ₂ nanocrystals in continuous S-Doped carbons for lithium storage. <i>Materials Today Chemistry</i> , 2020 , 17, 100293	6.2	4
17	Preparation of poly(cyclooctene)-g-poly(ethylene glycol) (PCOE-g-PEG) graft copolymers with tunable PEG side chains via ROMP and its protein adsorption and platelet adhesion properties. <i>Materials Science and Engineering C</i> , 2014 , 45, 539-45	8.3	4
16	Pyrolysis-free synthesis of single-atom cobalt catalysts for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> ,	13	4
15	Molten-salt-templated fabrication of N, S co-doped hierarchically porous carbons for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10113-10122	2.1	4
14	Sonochemical synthesis of Co ₃ O ₄ /graphene/Co ₃ O ₄ sandwich architecture for high-performance supercapacitors. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 1133-1142	2.6	3
13	Nanostructures: Graphene-Enabled Superior and Tunable Photomechanical Actuation in Liquid Crystalline Elastomer Nanocomposites (Adv. Mater. 41/2015). <i>Advanced Materials</i> , 2015 , 27, 6535-6535	24	3

12	In-situ confinement of ultrasmall SnO ₂ nanocrystals into redox-active polyimides for high-rate and long-cycling anode materials. <i>Composites Communications</i> , 2021 , 23, 100561	6.7	3
11	Surfactant-Directed Engineering of Hierarchical Porous Heteroatom-Doped Carbons for High-Energy Supercapacitors. <i>Energy Technology</i> , 2020 , 8, 2000690	3.5	2
10	Polymerization-tailored polyimides as cathodes for lithium-ion batteries. <i>Materials Advances</i> , 2021 , 2, 5785-5790	3.3	2
9	Emerging Carbonyl Polymers as Sustainable Electrode Materials for Lithium-free Metal-ion Batteries. <i>Energy and Environmental Materials</i> ,	13	2
8	Ultrasmall MoC nanocrystals embedded in N-doped porous carbons as a surface-dominated capacitive anode for lithium-ion capacitors. <i>Chemical Communications</i> , 2021 , 57, 4966-4969	5.8	2
7	Controlled fabrication of nitrogen-doped carbon hollow nanospheres for high-performance supercapacitors. <i>Reactive and Functional Polymers</i> , 2019 , 144, 104349	4.6	1
6	Carbon nanotube-supported polyimide nanoarrays as sulfur host with physical/chemical polysulfide-traps for LiS batteries. <i>Composites Communications</i> , 2022 , 29, 101019	6.7	1
5	Rheological phase reaction synthesis and electrochemical performance of rufigallol anode for lithium ion batteries.. <i>RSC Advances</i> , 2018 , 8, 19272-19277	3.7	1
4	Core-shell heterostructured composites of carbon nanotubes and imine-linked hyperbranched polymers as metal-free Li-ion anodes. <i>Nanotechnology Reviews</i> , 2022 , 11, 824-833	6.3	0
3	Electrocatalysis: Simultaneously Crafting Single-Atomic Fe Sites and Graphitic Layer-Wrapped Fe ₃ C Nanoparticles Encapsulated within Mesoporous Carbon Tubes for Oxygen Reduction (Adv. Funct. Mater. 10/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170064	15.6	
2	Non-covalent Exfoliation of Graphite to Produce Graphene 2016 , 413-429		
1	Electrospun nanofibers of Co ₃ O ₄ nanocrystals encapsulated in cyclized-polyacrylonitrile for lithium storage. <i>Nanotechnology Reviews</i> , 2022 , 11, 945-956	6.3	