

# Yongfeng Li

## List of Publications by Year in descending order

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98  
papers

4,450  
citations

87888

38  
h-index

118850

62  
g-index

98  
all docs

98  
docs citations

98  
times ranked

5226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous, Three-Dimensional Wood Membrane Decorated with Nanoparticles for Highly Efficient Water Treatment. <i>ACS Nano</i> , 2017, 11, 4275-4282.	14.6	392
2	Synthesis and microwave absorption property of flexible magnetic film based on graphene oxide/carbon nanotubes and Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14940.	10.3	306
3	Lightweight hollow carbon nanospheres with tunable sizes towards enhancement in microwave absorption. <i>Carbon</i> , 2016, 108, 234-241.	10.3	221
4	Highly active TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> /G photocatalyst with extended spectral response towards selective reduction of nitrobenzene. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 1-8.	20.2	185
5	Enhanced Electromagnetic Microwave Absorption Property of Peapod-like MnO@carbon Nanowires. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40078-40087.	8.0	126
6	Carbon nitride template-directed fabrication of nitrogen-rich porous graphene-like carbon for high performance supercapacitors. <i>Carbon</i> , 2018, 130, 325-332.	10.3	124
7	High graphite N content in nitrogen-doped graphene as an efficient metal-free catalyst for reduction of nitroarenes in water. <i>Green Chemistry</i> , 2016, 18, 4254-4262.	9.0	109
8	Phosphorus doped nickel-molybdenum aerogel for efficient overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120494.	20.2	105
9	Atomically dispersed Ni as the active site towards selective hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2019, 21, 704-711.	9.0	98
10	Preparation of graphene nanosheets by shear-assisted supercritical CO <sub>2</sub> exfoliation. <i>Chemical Engineering Journal</i> , 2016, 284, 78-84.	12.7	91
11	Dual-template endowing N, O co-doped hierarchically porous carbon from potassium citrate with high capacitance and rate capability for supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 417, 129289.	12.7	91
12	Magnetic coupling engineered porous dielectric carbon within ultralow filler loading toward tunable and high-performance microwave absorption. <i>Journal of Materials Science and Technology</i> , 2021, 70, 214-223.	10.7	74
13	Dielectric composite reinforced by in-situ growth of carbon nanotubes on boron nitride nanosheets with high thermal conductivity and mechanical strength. <i>Chemical Engineering Journal</i> , 2019, 358, 718-724.	12.7	73
14	P-doped nanomesh graphene with high-surface-area as an efficient metal-free catalyst for aerobic oxidative coupling of amines. <i>Carbon</i> , 2017, 121, 443-451.	10.3	69
15	Sulfur-doped porous carbon as metal-free counter electrode for high-efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015, 282, 228-234.	7.8	67
16	Intrinsic defect-rich porous carbon nanosheets synthesized from potassium citrate toward advanced supercapacitors and microwave absorption. <i>Carbon</i> , 2021, 183, 176-186.	10.3	67
17	Three-dimensional skeleton assembled by carbon nanotubes/boron nitride as filler in epoxy for thermal management materials with high thermal conductivity and electrical insulation. <i>Composites Part B: Engineering</i> , 2021, 224, 109168.	12.0	66
18	Production of hierarchical porous carbon nanosheets from cheap petroleum asphalt toward lightweight and high-performance electromagnetic wave absorbers. <i>Carbon</i> , 2020, 166, 218-226.	10.3	63

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19	Enhanced Electromagnetic Microwave Absorption Performance of Lightweight Bowl-like Carbon Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 11460-11466.	3.7	61
20	Synthesis of graphene/ $\text{Fe}_2\text{O}_3$ composites with excellent electromagnetic wave absorption properties. <i>RSC Advances</i> , 2015, 5, 60114-60120.	3.6	60
21	Glycine functionalized boron nitride nanosheets with improved dispersibility and enhanced interaction with matrix for thermal composites. <i>Chemical Engineering Journal</i> , 2021, 408, 127360.	12.7	57
22	Heteroatoms-doped hierarchical porous carbon with multi-scale structure derived from petroleum asphalt for high-performance supercapacitors. <i>Carbon</i> , 2022, 187, 338-348.	10.3	57
23	Controllable and eco-friendly synthesis of P-riched carbon quantum dots and its application for copper (II) ion sensing. <i>Applied Surface Science</i> , 2018, 448, 589-598.	6.1	55
24	High-surface-area nanomesh graphene with enriched edge sites as efficient metal-free cathodes for dye-sensitized solar cells. <i>Nanoscale</i> , 2016, 8, 13059-13066.	5.6	53
25	Construction of efficient counter electrodes for dye-sensitized solar cells: $\text{Fe}_2\text{O}_3$ nanoparticles anchored onto graphene frameworks. <i>Carbon</i> , 2016, 96, 947-954.	10.3	53
26	Reduced graphene oxide supported Pd-Cu-Co trimetallic catalyst: synthesis, characterization and methanol electrooxidation properties. <i>Journal of Energy Chemistry</i> , 2019, 29, 72-78.	12.9	53
27	Highly active and reflective $\text{MoS}_2$ counter electrode for enhancement of photovoltaic efficiency of dye sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 212, 614-620.	5.2	50
28	Ultralow concentration of molybdenum disulfide nanosheets for enhanced oil recovery. <i>Fuel</i> , 2019, 251, 514-522.	6.4	50
29	Insight into the topological defects and dopants in metal-free holey graphene for triiodide reduction in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5952-5960.	10.3	49
30	Fabrication of porous graphene-like carbon nanosheets with rich doped-nitrogen for high-performance electromagnetic microwave absorption. <i>Applied Surface Science</i> , 2020, 530, 147298.	6.1	49
31	Shear-Assisted Production of Few-Layer Boron Nitride Nanosheets by Supercritical $\text{CO}_2$ Exfoliation and Its Use for Thermally Conductive Epoxy Composites. <i>Scientific Reports</i> , 2017, 7, 17794.	3.3	46
32	Phosphorus-doped porous graphene nanosheet as metal-free electrocatalyst for triiodide reduction reaction in dye-sensitized solar cell. <i>Applied Surface Science</i> , 2017, 405, 308-315.	6.1	45
33	In-situ activation endows the integrated $\text{Fe}_3\text{C}/\text{Fe}$ @nitrogen-doped carbon hybrids with enhanced pseudocapacitance for electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2019, 375, 122061.	12.7	45
34	Plasma synthesis of carbon nanotube-gold nanohybrids: efficient catalysts for green oxidation of silanes in water. <i>Journal of Materials Chemistry A</i> , 2014, 2, 245-250.	10.3	44
35	Synthesis of three-dimensional graphene from petroleum asphalt by chemical vapor deposition. <i>Materials Letters</i> , 2014, 122, 285-288.	2.6	43
36	Transverse size effect on electromagnetic wave absorption performance of exfoliated thin-layered flake graphite. <i>Carbon</i> , 2019, 153, 682-690.	10.3	40

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37	Self-reconstruction strategy to synthesis of Ni/Co-OOH nanoflowers decorated with N, S co-doped carbon for high-performance energy storage. <i>Chemical Engineering Journal</i> , 2020, 396, 125323.	12.7	40
38	Silica nanosphere supported palladium nanoparticles encapsulated with graphene: High-performance electrocatalysts for methanol oxidation reaction. <i>Applied Surface Science</i> , 2018, 452, 11-18.	6.1	39
39	In-situ formation of oxygen-vacancy-rich NiCo <sub>2</sub> O <sub>4</sub> /nitrogen-deficient graphitic carbon nitride hybrids for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2020, 340, 135996.	5.2	39
40	Hierarchical MoP Hollow Nanospheres Anchored on a N,P,S-Doped Porous Carbon Matrix as Efficient Electrocatalysts for the Hydrogen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 4662-4670.	6.8	38
41	N, S Codoped Hierarchical Porous Graphene Nanosheets Derived from Petroleum Asphalt via in Situ Texturing Strategy for High-Performance Supercapacitors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 4487-4494.	3.7	37
42	Au/graphene oxide/carbon nanotube flexible catalyst film: synthesis, characterization and its application for catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2015, 5, 37710-37715.	3.6	34
43	Probing the charging and discharging behavior of K-CO <sub>2</sub> nanobatteries in an aberration corrected environmental transmission electron microscope. <i>Nano Energy</i> , 2018, 53, 544-549.	16.0	34
44	Fabrication of ternary NaTaO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> /G heterojunction photocatalyst with enhanced activity for Rhodamine B degradation. <i>Journal of Alloys and Compounds</i> , 2019, 805, 802-810.	5.5	34
45	RGO-wrapped Ti <sub>3</sub> C <sub>2</sub> /TiO <sub>2</sub> nanowires as a highly efficient photocatalyst for simultaneous reduction of Cr(VI) and degradation of RhB under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2021, 874, 159865.	5.5	33
46	Cold-adapted bacteria for bioremediation of crude oil-contaminated soil. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2286-2297.	3.2	31
47	Flexible and densified graphene/waterborne polyurethane composite film with thermal conducting property for high performance electromagnetic interference shielding. <i>Nano Research</i> , 2022, 15, 9926-9935.	10.4	30
48	Controllable synthesis of single- and double-walled carbon nanotubes from petroleum coke and their application to solar cells. <i>Carbon</i> , 2014, 68, 511-519.	10.3	29
49	Assembling Graphene-Encapsulated Pd/TiO <sub>2</sub> Nanosphere with Hierarchical Architecture for High-Performance Visible-Light-Assisted Methanol Electro-Oxidation Material. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 19486-19494.	3.7	29
50	Supercritical fluid extraction with carbon nanotubes as a solid collection trap for the analysis of polycyclic aromatic hydrocarbons and their derivatives. <i>Journal of Chromatography A</i> , 2015, 1395, 1-6.	3.7	28
51	S-Doped Porous Graphene Microspheres with Individual Robust Red-Blood-Cell-Like Microarchitecture for Capacitive Energy Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 9524-9532.	3.7	27
52	Construction of Graphene-Wrapped Pd/TiO <sub>2</sub> Hollow Spheres with Enhanced Anti-CO Poisoning Capability toward Photoassisted Methanol Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1352-1360.	6.7	27
53	Scalable Production of Hydrophilic Graphene Nanosheets via in Situ Ball-Milling-Assisted Supercritical CO <sub>2</sub> Exfoliation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 6939-6944.	3.7	26
54	Synthesis of Sandwich-Like Nanostructure Fillers and Their Use in Different Types of Thermal Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40694-40703.	8.0	26

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55	Facile fabrication of Fe/Fe <sub>5</sub> C <sub>2</sub> @N-doped porous carbon as an efficient microwave absorbent with strong and broadband absorption properties at an ultralow filler loading. <i>Carbon</i> , 2022, 196, 890-901.	10.3	26
56	Green production of hydrogen by hydrolysis of graphene-modified aluminum through infrared light irradiation. <i>Chemical Engineering Journal</i> , 2017, 320, 160-167.	12.7	25
57	Atomic N-coordinated cobalt sites within nanomesh graphene as highly efficient electrocatalysts for triiodide reduction in dye-sensitized solar cells. <i>Chemical Engineering Journal</i> , 2018, 349, 782-790.	12.7	24
58	Preparation of an efficient Fe/N/C electrocatalyst and its application for oxygen reduction reaction in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 62-68.	3.8	23
59	In Situ-Generated Volatile Precursor for CVD Growth of a Semimetallic 2D Dichalcogenide. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34401-34408.	8.0	23
60	Density Functional Theory Study of the Formaldehyde Catalytic Oxidation Mechanism on a Au-Doped CeO <sub>2</sub> (111) Surface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 438-448.	3.1	22
61	Crumpled Nitrogen-Doped Porous Carbon Nanosheets Derived from Petroleum Pitch for High-Performance and Flexible Electromagnetic Wave Absorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 2799-2808.	3.7	22
62	Silicon doped graphene as high cycle performance anode for lithium-ion batteries. <i>Carbon</i> , 2022, 196, 633-638.	10.3	22
63	Controllable synthesis of single-, double- and triple-walled carbon nanotubes from asphalt. <i>Chemical Engineering Journal</i> , 2013, 225, 210-215.	12.7	21
64	Interconnected nitrogen and sulfur dual-doped porous carbon as efficient electrocatalyst for triiodide reduction in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 327, 289-296.	7.8	21
65	Cobalt single atoms anchored on nitrogen-doped porous carbon as an efficient catalyst for oxidation of silanes. <i>Green Chemistry</i> , 2021, 23, 1026-1035.	9.0	21
66	Electrochemical activation induced phase and structure reconstruction to reveal cobalt sulfide intrinsic energy storage capacity. <i>Chemical Engineering Journal</i> , 2022, 434, 134473.	12.7	21
67	High-Efficiency Production of Graphene by Supercritical CO <sub>2</sub> Exfoliation with Rapid Expansion. <i>Langmuir</i> , 2018, 34, 7797-7804.	3.5	20
68	The fabrication of Cu nanowire/graphene/Al doped ZnO transparent conductive film on PET substrate with high flexibility and air stability. <i>Materials Letters</i> , 2017, 207, 62-65.	2.6	19
69	Crumpled graphene prepared by a simple ultrasonic pyrolysis method for fast photodetection. <i>Carbon</i> , 2018, 128, 117-124.	10.3	19
70	Synergistic effects of nitrogen-doped graphene and Fe <sub>2</sub> O <sub>3</sub> nanocomposites in catalytic oxidization of aldehyde with O <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2017, 330, 880-889.	12.7	18
71	Enhanced electromagnetic wave absorption of worm-like hollow porous MnO@C/CNTs composites. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1086-1094.	5.5	18
72	Sulfur-fixation strategy toward controllable synthesis of molybdenum-based/carbon nanosheets derived from petroleum asphalt. <i>Chemical Engineering Journal</i> , 2020, 380, 122552.	12.7	18

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73	Highly Efficient Water Splitting Catalyst Composed of N,P-Doped Porous Carbon Decorated with Surface P-Enriched Ni <sub>2</sub> P Nanoparticles. ACS Applied Materials & Interfaces, 2022, 14, 20358-20367.	8.0	18
74	Facile Synthesis of Well-Dispersed Ni <sub>2</sub> P on N-Doped Nanomesh Carbon Matrix as a High-Efficiency Electrocatalyst for Alkaline Hydrogen Evolution Reaction. Nanomaterials, 2019, 9, 1022.	4.1	16
75	Construction of MnO-skeleton cross-linked by carbon nanotubes networks for efficient microwave absorption. Journal of Colloid and Interface Science, 2021, 602, 778-788.	9.4	16
76	Scalable production of few-layer molybdenum disulfide nanosheets by supercritical carbon dioxide. Journal of Materials Science, 2018, 53, 7258-7265.	3.7	15
77	Nitrogen-Enriched Hollow Carbon Spheres Coupled with Efficient Co-N-C Species as Cathode Catalysts for Triiodide Reduction in Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 2679-2685.	6.7	15
78	Enhanced thermal conductivity and isotropy of polymer composites by fabricating 3D network structure from carbon-based materials. Journal of Applied Polymer Science, 2021, 138, 49781.	2.6	15
79	Water-soluble salt-templated strategy to regulate mesoporous nanosheets-on-network structure with active mixed-phase CoO/Co <sub>3</sub> O <sub>4</sub> nanosheets on graphene for superior lithium storage. Journal of Alloys and Compounds, 2021, 857, 157626.	5.5	15
80	Sulfur-doped porous graphene frameworks as an efficient metal-free electrocatalyst for oxygen reduction reaction. Materials Letters, 2018, 214, 209-212.	2.6	14
81	Organochlorine Compounds with a Low Boiling Point in Desalted Crude Oil: Identification and Conversion. Energy & Fuels, 2018, 32, 6475-6481.	5.1	13
82	Synthesis of Ultralight N-Rich Porous Graphene Nanosheets Derived from Fluid Catalytic Cracking Slurry and Their Electromagnetic Wave Absorption Properties. Industrial & Engineering Chemistry Research, 2020, 59, 8243-8251.	3.7	13
83	In-situ bonding with sulfur in petroleum asphalt to synthesize transition metal (Mn, Mo, Fe, or Ti) ETQq1 1 0.784314 rgBT /Overlock 10	10.8	13
84	Exfoliated multi-layered graphene anode with the broadened delithiation voltage plateau below 0.5V. Journal of Energy Chemistry, 2020, 49, 233-242.	12.9	12
85	Synergistic effect of size distribution on the electrical and thermal conductivities of graphene-based paper. Journal of Materials Science, 2018, 53, 10261-10269.	3.7	11
86	Enhanced catalytic hydrogen evolution reaction performance of highly dispersed Ni <sub>2</sub> P nanoparticles supported by P-doped porous carbon. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 616, 126308.	4.7	10
87	Electrochemical synthesis of Fe <sub>Nx</sub> doped carbon quantum dots for sensitive detection of Cu <sup>2+</sup> ion. Green Energy and Environment, 2023, 8, 141-150.	8.7	9
88	Construction of a Graphene-Wrapped Pd/SiO <sub>2</sub> @TiO <sub>2</sub> Core-Shell Sphere for Enhanced Photoassisted Electrocatalytic Methanol Oxidation Property. Industrial & Engineering Chemistry Research, 2020, 59, 13380-13387.	3.7	8
89	Tuning surface chemical property in hierarchical porous carbon via nitrogen and phosphorus doping for deep desulfurization. Separation and Purification Technology, 2022, 280, 119923.	7.9	7
90	Theoretical study of structure sensitivity on Au doped CeO <sub>2</sub> surfaces for formaldehyde oxidation: The effect of crystal planes and Au doping. Chemical Engineering Journal, 2022, 433, 133599.	12.7	7

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91	Electronic structure regulation of CoMoS catalysts by N, P co-doped carbon modification for effective hydrodesulfurization. <i>Fuel</i> , 2022, 322, 124160.	6.4	7
92	C59N Peapods Sensing the Temperature. <i>Sensors</i> , 2013, 13, 966-974.	3.8	5
93	In-situ observation of electrochemically driven Kirkendall effect induced volume shrinkage of CuO nanowires during potassiation. <i>Materials Letters</i> , 2019, 237, 340-343.	2.6	3
94	Scalable preparation of water-soluble ink of few-layered WSe <sub>2</sub> nanosheets for large-area electronics*. <i>Chinese Physics B</i> , 2020, 29, 066802.	1.4	3
95	Finding a Cheaper Carbon Source: High-Quality, Single-Walled Nanotubes from Asphalt and Petroleum Coke. <i>IEEE Nanotechnology Magazine</i> , 2013, 7, 15-18.	1.3	2
96	Nitrogen and Phosphorus Co-doped Graphene-like Carbon Catalyzed Selective Oxidation of Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 422-427.	2.7	2
97	High-quality single-walled carbon nanotubes synthesized from asphalt and petroleum coke. , 2013, , .		0
98	Green production of silica hydroxyl riched palygorskite by shear-assisted supercritical CO <sub>2</sub> separation process for dye adsorption and heavy oil viscosity reduction. <i>Applied Clay Science</i> , 2021, 212, 106207.	5.2	0