

# Feng Gao

## List of Publications by Year in descending order

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26  
papers

1,696  
citations

516710

16  
h-index

552781

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27  
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docs citations

27  
times ranked

2584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resistance matching materials nanoarchitectonics for better performances in water evaporation-driven generators. <i>Nanotechnology</i> , 2022, 33, 195402.	2.6	1
2	Self-Assembly of Graphene Oxide/Nanodiamond Microspheres with High Adsorption for Pb(II) Ions. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
3	Dual functions of three-dimensional hierarchical architecture on improving the rate capability and cycle performance of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material for lithium-ion battery. <i>Ceramics International</i> , 2022, 48, 9124-9133.	4.8	3
4	A review of the synthesis of carbon materials for energy storage from biomass and coal/heavy oil waste. <i>New Carbon Materials</i> , 2021, 36, 34-48.	6.1	37
5	Boosting cycle stability of NCM811 cathode material via 2D Mg-Al-LDO nanosheet coating for lithium-ion battery. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159079.	5.5	17
6	Cost-effective synthesis of hierarchical HZSM-5 with a high Si/TPA+ ratio for enhanced catalytic cracking of polyethylene. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121643.	2.9	7
7	Multilayer graphene sheets converted directly from anthracite in the presence of molten iron and their applications as anode for lithium ion batteries. <i>Synthetic Metals</i> , 2020, 263, 116364.	3.9	6
8	Highly efficient formation of Mn <sub>3</sub> O <sub>4</sub> -graphene oxide hybrid aerogels for use as the cathode material of high performance lithium ion batteries. <i>New Carbon Materials</i> , 2020, 35, 121-130.	6.1	24
9	Surface charge density-dependent performance of Ni-Al layered double hydroxide-based flexible self-powered generators driven by natural water evaporation. <i>Nano Energy</i> , 2020, 70, 104502.	16.0	55
10	Mesopore-free synthesis of hierarchical HZSM-5 for LDPE catalytic cracking. <i>CrystEngComm</i> , 2020, 22, 3598-3607.	2.6	6
11	A CoMn <sub>2</sub> O <sub>3.5</sub> -RGO hybrid as an effective Fenton-like catalyst for the decomposition of various dyes. <i>New Carbon Materials</i> , 2019, 34, 539-545.	6.1	9
12	Electricity generation from a Ni-Al layered double hydroxide-based flexible generator driven by natural water evaporation. <i>Nano Energy</i> , 2019, 57, 269-278.	16.0	134
13	Self-assembly of a graphene oxide/MnFe <sub>2</sub> O <sub>4</sub> motor by coupling shear force with capillarity for removal of toxic heavy metals. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20861-20868.	10.3	35
14	Hierarchical porous carbon sheets derived from biomass containing an activation agent and in-built template for lithium ion batteries. <i>Carbon</i> , 2018, 139, 1085-1092.	10.3	106
15	Zeolitic imidazolate framework monoliths with high mesoporosity and effective adsorption of toluene from aqueous solution. <i>New Journal of Chemistry</i> , 2017, 41, 8031-8035.	2.8	4
16	Self-templating synthesis of nitrogen-decorated hierarchical porous carbon from shrimp shell for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7445-7452.	10.3	140
17	Efficient synthesis of graphene/sulfur nanocomposites with high sulfur content and their application as cathodes for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16219-16224.	10.3	18
18	Nitrogen-doped porous "green carbon" derived from shrimp shell: Combined effects of pore sizes and nitrogen doping on the performance of lithium sulfur battery. <i>Journal of Alloys and Compounds</i> , 2016, 671, 17-23.	5.5	73

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19	Nitrogen-doped activated carbon derived from prawn shells for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2016, 190, 1134-1141.	5.2	217
20	Tailoring of porous and nitrogen-rich carbons derived from hydrochar for high-performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 155, 201-208.	5.2	159
21	Dense 3D Graphene Macroforms with Nanotuned Pore Sizes for High Performance Supercapacitor Electrodes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24373-24380.	3.1	32
22	In situ fabrication of Mn <sub>3</sub> O <sub>4</sub> decorated graphene oxide as a synergistic catalyst for degradation of methylene blue. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 268-274.	20.2	159
23	Mesoporous microspheres composed of carbon-coated TiO <sub>2</sub> nanocrystals with exposed {001} facets for improved visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 958-964.	20.2	127
24	Highly efficient synthesis of graphene/MnO <sub>2</sub> hybrids and their application for ultrafast oxidative decomposition of methylene blue. <i>Carbon</i> , 2014, 66, 485-492.	10.3	189
25	Easy synthesis of MnO-graphene hybrids for high-performance lithium storage. <i>New Carbon Materials</i> , 2014, 29, 316-321.	6.1	15
26	A green strategy for the synthesis of graphene supported Mn <sub>3</sub> O <sub>4</sub> nanocomposites from graphitized coal and their supercapacitor application. <i>Carbon</i> , 2014, 80, 640-650.	10.3	121