

# Hejun Li

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,962  
citations

304743

22  
h-index

302126

39  
g-index

41  
all docs

41  
docs citations

41  
times ranked

3133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of pore structure and wet tribological properties of paper-based friction materials using chemical foaming technology. <i>Friction</i> , 2022, 10, 1317-1334.	6.4	7
2	Effect of slurry and sol-gel introduced SiC nanowires on ablation and bending behaviors of modified SiC-f/HfC-SiC composites. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1956-1969.	2.1	3
3	Free-standing Si <sub>3</sub> N <sub>4</sub> nanowires@pyrolytic carbon membranes decorated with metal oxide nanoarrays for flexible hybrid supercapacitors. <i>Journal of Energy Storage</i> , 2022, 49, 104156.	8.1	4
4	Advances in ultra-high temperature ceramics, composites, and coatings. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1-56.	17.4	256
5	Eutectic dual-phase microstructure modulated porous high-entropy alloys as high-performance bifunctional electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11110-11120.	10.3	18
6	Recent Progress in 1D Nanostructures Reinforced Carbon/Carbon Composites. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	38
7	(Ni,Co)Se <sub>2</sub> nanoparticles on vertical graphene nanosheets@carbon microtubes for high-performance solid-state asymmetric supercapacitors. <i>Journal of Energy Storage</i> , 2022, 53, 105205.	8.1	8
8	Hierarchical, seamless, edge-rich nanocarbon hybrid foams for highly efficient electromagnetic-interference shielding. <i>Journal of Materials Science and Technology</i> , 2021, 72, 154-161.	10.7	45
9	Construction of multi-structures based on Cu NWs-supported MOF-derived Co oxides for asymmetric pseudocapacitors. <i>Journal of Materials Science and Technology</i> , 2021, 65, 182-189.	10.7	25
10	Hierarchical self-supporting sugar gourd-shape MOF-derived NiCo <sub>2</sub> O <sub>4</sub> hollow nanocages@SiC nanowires for high-performance flexible hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 219-232.	9.4	54
11	All Si <sub>3</sub> N <sub>4</sub> Nanowires Membrane Based High-Performance Flexible Solid-State Asymmetric Supercapacitor. <i>Small</i> , 2021, 17, e2008056.	10.0	33
12	Effect of methane and acetaldehyde precursor on the microstructures of pyrocarbon films grown on quartz substrates. <i>Journal of Materials Science</i> , 2021, 56, 13056-13065.	3.7	1
13	Templated synthesis of spinel cobaltite MCo <sub>2</sub> O <sub>4</sub> (M=Ni, Co and Mn) hierarchical nanofibers for high performance supercapacitors. <i>Journal of Materiomics</i> , 2021, 7, 858-868.	5.7	16
14	Metal-organic framework derived hierarchical NiCo <sub>2</sub> O <sub>4</sub> triangle nanosheet arrays@SiC nanowires network/carbon cloth for flexible hybrid supercapacitors. <i>Journal of Materials Science and Technology</i> , 2021, 81, 162-174.	10.7	35
15	Metal-organic frameworks/polydopamine synergistic interface enhancement of carbon fiber/phenolic composites for promoting mechanical and tribological performances. <i>Nanoscale</i> , 2021, 13, 20234-20247.	5.6	29
16	Synergistic effect of surface modification of carbon fabrics and multiwall carbon nanotube incorporation for improving tribological properties of carbon fabrics/resin composites. <i>Polymer Composites</i> , 2020, 41, 102-111.	4.6	16
17	Lightweight and flexible 3D graphene microtubes membrane for high-efficiency electromagnetic-interference shielding. <i>Chemical Engineering Journal</i> , 2020, 387, 124025.	12.7	76
18	Porous Functionalized Covalent-Triazine Frameworks for Enhanced Adsorption Toward Polysulfides in Li-S Batteries and Organic Dyes. <i>Frontiers in Chemistry</i> , 2020, 8, 584204.	3.6	12

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19	Carbon Fiber Composites Containing Strongly Coupled Si <sub>3</sub> N <sub>4</sub> Nanowire-Carbon Nanotube Networks for Aerospace Engineering. ACS Applied Nano Materials, 2020, 3, 5252-5259.	5.0	17
20	NiCo <sub>2</sub> O <sub>4</sub> nanosheets sheathed SiC@CNTs core-shell nanowires for high-performance flexible hybrid supercapacitors. Journal of Colloid and Interface Science, 2020, 577, 481-493.	9.4	46
21	Graphene and MXene Nanomaterials: Toward High-Performance Electromagnetic Wave Absorption in Gigahertz Band Range. Advanced Functional Materials, 2020, 30, 2000475.	14.9	356
22	Formation of calcium phosphate coating on carbon fibre with pyrolytic carbon interlayer. Surface Engineering, 2020, 36, 553-557.	2.2	0
23	Hierarchical core-shell structure of NiCo <sub>2</sub> O <sub>4</sub> nanosheets@HfC nanowires networks for high performance flexible solid-state hybrid supercapacitor. Chemical Engineering Journal, 2020, 392, 124820.	12.7	104
24	General formation of Prussian blue analogue microtubes for high-performance Na-ion hybrid supercapacitors. Science China Materials, 2020, 63, 739-747.	6.3	33
25	A Facile Strategy to Improve the Electrochemical Performance of Porous Organic Polymer-Based Lithium-Sulfur Batteries. Energy Technology, 2019, 7, 1900583.	3.8	17
26	Cu nanowires paper interlinked with cobalt oxide films for enhanced sensing and energy storage. Chemical Communications, 2019, 55, 9031-9034.	4.1	18
27	Microstructure, mechanical and anti-ablation properties of SiC <sub>n</sub> /PyC core-shell networks reinforced C/C-ZrC-SiC composites fabricated by a multistep method of chemical liquid-vapor deposition. Ceramics International, 2019, 45, 20414-20426.	4.8	22
28	Hollow Carbon Nanospheres with Developed Porous Structure and Retained N Doping for Facilitated Electrochemical Energy Storage. Langmuir, 2019, 35, 12889-12897.	3.5	25
29	In Situ Growth of Graphene on Carbon Fabrics with Enhanced Mechanical and Thermal Properties for Tribological Applications of Carbon Fabric-Phenolic Composites. Tribology Transactions, 2019, 62, 850-858.	2.0	11
30	Energy-storage covalent organic frameworks: improving performance <i>via</i> engineering polysulfide chains on walls. Chemical Science, 2019, 10, 6001-6006.	7.4	121
31	A Multilayer SiC/ZrB <sub>2</sub> /SiC Ablation Resistance Coating for Carbon/Carbon Composites. Advanced Engineering Materials, 2019, 21, 1800774.	3.5	5
32	Guiding Principles for Designing Highly Efficient Metal-Free Carbon Catalysts. Advanced Materials, 2019, 31, e1805252.	21.0	110
33	Direct Growth of Edge-Rich Graphene with Tunable Dielectric Properties in Porous Si <sub>3</sub> N <sub>4</sub> Ceramic for Broadband High-Performance Microwave Absorption. Advanced Functional Materials, 2018, 28, 1707205.	14.9	425
34	Suppressing Dendritic Lithium Formation Using Porous Media in Lithium Metal-Based Batteries. Nano Letters, 2018, 18, 2067-2073.	9.1	154
35	Vertically Grown Edge-Rich Graphene Nanosheets for Spatial Control of Li Nucleation. Advanced Energy Materials, 2018, 8, 1800564.	19.5	145
36	Self-Templating Synthesis of Cobalt Hexacyanoferrate Hollow Structures with Superior Performance for Na-Ion Hybrid Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 29496-29504.	8.0	87

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37	Carbon Nanotubeâ€“Multilayered Graphene Edge Plane Coreâ€“Shell Hybrid Foams for Ultrahighâ€“Performance Electromagneticâ€“Interference Shielding. <i>Advanced Materials</i> , 2017, 29, 1701583.	21.0	560
38	<i>In vitro</i> mineralization of <i>MC3T3-E1</i> osteoblast-like cells on collagen/nanoâ€“hydroxyapatite scaffolds coated carbon/carbon composites. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 533-543.	4.0	23
39	Numerical investigation of size and chirality effects on mechanical properties of graphene nanoribbons. , 2012, , .		0
40	ABLATION PROPERTY OF $\text{SiC-TaSi}_2$ COATED CARBON/CARBON COMPOSITES. <i>Surface Review and Letters</i> , 2010, 17, 487-491.	1.1	4
41	Multi-physical field coupling simulation of TCVI process for preparing carbon/carbon composites. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 3173-3179.	0.9	3