Hejun Li

List of Publications by Year
in descending order

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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	Carbon Nanotubeâ€“Multilayered Graphene Edge Plane Coreâ€“Shell Hybrid Foams for Ultrahighâ€Performance Electromagneticâ€Interference Shielding. Advanced Materials, 2017, 29, 1701583.	21.0	560
2	Direct Growth of Edgeâ€Rich Graphene with Tunable Dielectric Properties in Porous Si₃N₄ Ceramic for Broadband Highâ€Performance Microwave Absorption. Advanced Functional Materials, 2018, 28, 1707205.	14.9	425
3	Graphene and MXene Nanomaterials: Toward Highâ€Performance Electromagnetic Wave Absorption in Gigahertz Band Range. Advanced Functional Materials, 2020, 30, 2000475.	14.9	356
4	Advances in ultra-high temperature ceramics, composites, and coatings. Journal of Advanced Ceramics, 2022, 11, 1-56.	17.4	256
5	Suppressing Dendritic Lithium Formation Using Porous Media in Lithium Metal-Based Batteries. Nano Letters, 2018, 18, 2067-2073.	9.1	154
6	Vertically Grown Edgeâ€Rich Graphene Nanosheets for Spatial Control of Li Nucleation. Advanced Energy Materials, 2018, 8, 1800564.	19.5	145
7	Energy-storage covalent organic frameworks: improving performance via engineering polysulfide chains on walls. Chemical Science, 2019, 10, 6001-6006.	7.4	121
8	Guiding Principles for Designing Highly Efficient Metalâ€Free Carbon Catalysts. Advanced Materials, 2019, 31, e1805252.	21.0	110
9	Hierarchical core-shell structure of NiCo2O4 nanosheets@HfC nanowires networks for high performance flexible solid-state hybrid supercapacitor. Chemical Engineering Journal, 2020, 392, 124820.	12.7	104
10	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
11	Lightweight and flexible 3D graphene microtubes membrane for high-efficiency electromagnetic-interference shielding. Chemical Engineering Journal, 2020, 387, 124025.	12.7	76
12	Hierarchical self-supporting sugar gourd-shape MOF-derived NiCo2O4 hollow nanocages@SiC nanowires for high-performance flexible hybrid supercapacitors. Journal of Colloid and Interface Science, 2021, 586, 219-232.	9.4	54
13	NiCo2O4 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
14	Hierarchical, seamless, edge-rich nanocarbon hybrid foams for highly efficient electromagnetic-interference shielding. Journal of Materials Science and Technology, 2021, 72, 154-161.	10.7	45
15	Recent Progress in 1D Nanostructures Reinforced Carbon/Carbon Composites. Advanced Functional Materials, 2022, 32, .	14.9	38
16	Metal-organic framework derived hierarchical NiCo2O4 triangle nanosheet arrays@SiC nanowires network/carbon cloth for flexible hybrid supercapacitors. Journal of Materials Science and Technology, 2021, 81, 162-174.	10.7	35
17	General formation of Prussian blue analogue microtubes for high-performance Na-ion hybrid supercapacitors. Science China Materials, 2020, 63, 739-747.	6.3	33
18	All Si₃N₄ Nanowires Membrane Based Highâ€Performance Flexible Solidâ€State Asymmetric Supercapacitor. Small, 2021, 17, e2008056.	10.0	33

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19	Metalâ€“organic frameworks/polydopamine synergistic interface enhancement of carbon fiber/phenolic composites for promoting mechanical and tribological performances. Nanoscale, 2021, 13, 20234-20247.	5.6	29
20	Hollow Carbon Nanospheres with Developed Porous Structure and Retained N Doping for Facilitated Electrochemical Energy Storage. Langmuir, 2019, 35, 12889-12897.	3.5	25
21	Construction of multi-structures based on Cu NWs-supported MOF-derived Co oxides for asymmetric pseudocapacitors. Journal of Materials Science and Technology, 2021, 65, 182-189.	10.7	25
22	In vitro mineralization of <scp>MC3T3â€E1</scp> osteoblastâ€like cells on collagen/nanoâ€hydroxyapatite scaffolds coated carbon/carbon composites. Journal of Biomedical Materials Research - Part A, 2016, 104, 533-543.	4.0	23
23	Microstructure, mechanical and anti-ablation properties of SiCnw/PyC core-shell networks reinforced C/Câ€“ZrCâ€“SiC composites fabricated by a multistep method of chemical liquid-vapor deposition. Ceramics International, 2019, 45, 20414-20426.	4.8	22
24	Cu nanowires paper interlinked with cobalt oxide films for enhanced sensing and energy storage. Chemical Communications, 2019, 55, 9031-9034.	4.1	18
25	Eutectic dual-phase microstructure modulated porous high-entropy alloys as high-performance bifunctional electrocatalysts for water splitting. Journal of Materials Chemistry A, 2022, 10, 11110-11120.	10.3	18
26	A Facile Strategy to Improve the Electrochemical Performance of Porous Organic Polymerâ€Based Lithiumâ€“Sulfur Batteries. Energy Technology, 2019, 7, 1900583.	3.8	17
27	Carbon Fiber Composites Containing Strongly Coupled Si₃N₄ Nanowire-Carbon Nanotube Networks for Aerospace Engineering. ACS Applied Nano Materials, 2020, 3, 5252-5259.	5.0	17
28	Synergistic effect of surface modification of carbon fabrics and multiwall carbon nanotube incorporation for improving tribological properties of carbon fabrics/resin composites. Polymer Composites, 2020, 41, 102-111.	4.6	16
29	Templated synthesis of spinel cobaltite MCo2O4 (M=Ni, Co and Mn) hierarchical nanofibers for high performance supercapacitors. Journal of Materiomics, 2021, 7, 858-868.	5.7	16
30	Porous Functionalized Covalent-Triazine Frameworks for Enhanced Adsorption Toward Polysulfides in Li-S Batteries and Organic Dyes. Frontiers in Chemistry, 2020, 8, 584204.	3.6	12
31	In Situ Growth of Graphene on Carbon Fabrics with Enhanced Mechanical and Thermal Properties for Tribological Applications of Carbon Fabricâ€“Phenolic Composites. Tribology Transactions, 2019, 62, 850-858.	2.0	11
32	(Ni,Co)Se2 nanoparticles on vertical graphene nanosheets@carbon microtubes for high-performance solid-state asymmetric supercapacitors. Journal of Energy Storage, 2022, 53, 105205.	8.1	8
33	Optimization of pore structure and wet tribological properties of paper-based friction materials using chemical foaming technology. Friction, 2022, 10, 1317-1334.	6.4	7
34	A Multilayer SiC/ZrB2/SiC Ablation Resistance Coating for Carbon/Carbon Composites. Advanced Engineering Materials, 2019, 21, 1800774.	3.5	5
35	ABLATION PROPERTY OF SiC-TaSi₂ COATED CARBON/CARBON COMPOSITES. Surface Review and Letters, 2010, 17, 487-491.	1.1	4
36	Free-standing Si3N4 nanowires@pyrolytic carbon membranes decorated with metal oxide nanoarrays for flexible hybrid supercapacitors. Journal of Energy Storage, 2022, 49, 104156.	8.1	4

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37	Multi-physical field coupling simulation of TCVI process for preparing carbon/carbon composites. Science in China Series D: Earth Sciences, 2009, 52, 3173-3179.	0.9	3
38	Effect of slurry and solâ€gel introduce SiC_{nws} on ablation and bending behaviors of modified SiC_f/HfCâ€SiC composites. International Journal of Applied Ceramic Technology, 2022, 19, 1956-1969.	2.1	3
39	Effect of methane and acetaldehyde precursor on the microstructures of pyrocarbon films grown on quartz substrates. Journal of Materials Science, 2021, 56, 13056-13065.	3.7	1
40	Numerical investigation of size and chirality effects on mechanical properties of graphene nanoribbons. , 2012, , .		0
41	Formation of calcium phosphate coating on carbon fibre with pyrolytic carbon interlayer. Surface Engineering, 2020, 36, 553-557.	2.2	0