

Jinhua Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/503192/publications.pdf>

Version: 2024-02-01

41
papers

1,210
citations

361413

20
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

1080
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical core-shell structure of NiCo ₂ O ₄ nanosheets@HfC nanowires networks for high performance flexible solid-state hybrid supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 392, 124820.	12.7	104
2	Graphene wrapped porous Co ₃ O ₄ /NiCo ₂ O ₄ double-shelled nanocages with enhanced electrocatalytic performance for glucose sensor. <i>Electrochimica Acta</i> , 2017, 239, 36-44.	5.2	102
3	Self-Templating Synthesis of Cobalt Hexacyanoferrate Hollow Structures with Superior Performance for Na-Ion Hybrid Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 29496-29504.	8.0	87
4	Lightweight and flexible 3D graphene microtubes membrane for high-efficiency electromagnetic-interference shielding. <i>Chemical Engineering Journal</i> , 2020, 387, 124025.	12.7	76
5	Ablation resistance of SiC@HfC@ZrC multiphase modified carbon/carbon composites. <i>Corrosion Science</i> , 2016, 103, 1-9.	6.6	57
6	Ni foam-supported ZnO nanowires and Co ₃ O ₄ /NiCo ₂ O ₄ double-shelled nanocages for efficient hydrogen peroxide detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 828-836.	7.8	57
7	Hierarchical self-supporting sugar gourd-shape MOF-derived NiCo ₂ O ₄ 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
8	Effects of PyC shell thickness on the microstructure, ablation resistance of SiC _{nws} /PyC-C/C-ZrC-SiC composites. <i>Journal of Materials Science and Technology</i> , 2021, 71, 55-66.	10.7	47
9	NiCo ₂ O ₄ nanosheets sheathed SiC@CNTs core-shell nanowires for high-performance flexible hybrid supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 481-493.	9.4	46
10	Ablation resistance of HfC-TaC/HfC-SiC alternate coating for SiC-coated carbon/carbon composites under cyclic ablation. <i>Journal of the European Ceramic Society</i> , 2021, 41, 3207-3218.	5.7	43
11	Zeolitic imidazolate frameworks (ZIFs)-derived Ni _x Co _{3-<i>x</i>} O ₄ /CNTs nanocomposites with enhanced electrochemical performance for supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 233-242.	9.4	39
12	Metal-organic framework derived hierarchical NiCo ₂ O ₄ 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
13	General formation of Prussian blue analogue microtubes for high-performance Na-ion hybrid supercapacitors. <i>Science China Materials</i> , 2020, 63, 739-747.	6.3	33
14	All Si ₃ N ₄ Nanowires Membrane Based High-Performance Flexible Solid-State Asymmetric Supercapacitor. <i>Small</i> , 2021, 17, e2008056.	10.0	33
15	Dipotassium hydrogen phosphate as reducing agent for the efficient reduction of graphene oxide nanosheets. <i>Journal of Colloid and Interface Science</i> , 2013, 409, 1-7.	9.4	31
16	Influence of carbon preform density on the microstructure and ablation resistance of CLVD-C/C-ZrC-SiC composites. <i>Corrosion Science</i> , 2021, 190, 109648.	6.6	31
17	Electrochemical sensor for mercuric chloride based on graphene-MnO ₂ composite as recognition element. <i>Electrochimica Acta</i> , 2015, 174, 221-229.	5.2	25
18	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

#	ARTICLE	IF	CITATIONS
19	Effects of ZrC particle size on ablation behavior of C/C-SiC-ZrC composites prepared by chemical liquid vapor deposition. <i>Corrosion Science</i> , 2022, 205, 110469.	6.6	23
20	Microstructure, mechanical and anti-ablation properties of SiCnw/PyC core-shell networks reinforced C/C-ZrC-SiC composites fabricated by a multistep method of chemical liquid-vapor deposition. <i>Ceramics International</i> , 2019, 45, 20414-20426.	4.8	22
21	Preparation of co-deposited C/C-ZrC composites by CLVD process and its properties. <i>Journal of Alloys and Compounds</i> , 2016, 686, 823-830.	5.5	20
22	Microstructure and ablation property of C/C-ZrC-SiC composites fabricated by chemical liquid-vapor deposition combined with precursor infiltration and pyrolysis. <i>Ceramics International</i> , 2019, 45, 3767-3781.	4.8	20
23	Cu nanowires paper interlinked with cobalt oxide films for enhanced sensing and energy storage. <i>Chemical Communications</i> , 2019, 55, 9031-9034.	4.1	18
24	Densification behavior and ablation property of C/C-ZrC composites prepared by chemical liquid vapor deposition process at temperatures from 800 to 1100°C. <i>Ceramics International</i> , 2018, 44, 7991-8004.	4.8	16
25	Construction of zeolitic imidazolate frameworks-derived Ni _x Co _{3-x} O ₄ /reduced graphene oxides/Ni foam for enhanced energy storage performance. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 112-123.	9.4	16
26	Templated synthesis of spinel cobaltite MCo ₂ O ₄ (M=Ni, Co and Mn) hierarchical nanofibers for high performance supercapacitors. <i>Journal of Materiomics</i> , 2021, 7, 858-868.	5.7	16
27	Effects of joint processes of CLVD and PIP on the microstructure and mechanical properties of C/C-ZrC composites. <i>Ceramics International</i> , 2016, 42, 17429-17435.	4.8	15
28	Microstructure and ablation property of gradient ZrC SiC modified C/C composites prepared by chemical liquid vapor deposition. <i>Ceramics International</i> , 2019, 45, 13283-13296.	4.8	15
29	Effects of precursor feeding rate on the microstructure and ablation resistance of gradient C/C ZrC SiC composites prepared by chemical liquid-vapor deposition. <i>Vacuum</i> , 2019, 164, 265-277.	3.5	14
30	Electrochemical sensing of ethylenediamine based on cuprous oxide/graphene hybrid structures. <i>Journal of Materials Science</i> , 2015, 50, 4288-4299.	3.7	13
31	Effect of pre-impregnated organosilicon layer on friction and wear properties of paper-based friction materials. <i>Wear</i> , 2018, 416-417, 6-13.	3.1	13
32	Large-scale synthesis of SiC/PyC core-shell structure nanowires via chemical liquid-vapor deposition. <i>Ceramics International</i> , 2021, 47, 500-509.	4.8	11
33	Oxidation behavior of co-deposited ZrC modified C/C composites prepared by chemical liquid-vapor infiltration process. <i>Vacuum</i> , 2017, 142, 154-163.	3.5	8
34	(Ni,Co)Se ₂ 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
35	The effects of addition of La ₂ O ₃ on the microstructure and mechanical properties of carbon/carbon composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 610, 350-354.	5.6	7
36	Influence of CLVD thermal gradient on the deposition behavior, microstructure and properties of C/C-ZrC composites. <i>Ceramics International</i> , 2018, 44, 15631-15645.	4.8	7

#	ARTICLE	IF	CITATIONS
37	Effect of LNBR Content on the Properties of the Carbon Fiber-Reinforced Paper-Based Friction Materials. Tribology Transactions, 2019, 62, 537-547.	2.0	7
38	Cu/Co mixed hierarchical tubular heterostructures for alkaline supercapacitors. Journal of Materiomics, 2021, 7, 640-647.	5.7	6
39	Free-standing Si ₃ N ₄ nanowires@pyrolytic carbon membranes decorated with metal oxide nanoarrays for flexible hybrid supercapacitors. Journal of Energy Storage, 2022, 49, 104156.	8.1	4
40	MnO ₂ Nanosheets Decorated MOF-Derived Co ₃ O ₄ Triangle Nanosheet Arrays for High-Performance Supercapacitors. Materials Technology, 2022, 37, 2188-2193.	3.0	3
41	Surface engineering of MOFs-derived Co ₃ O ₄ nanosheets for high-performance supercapacitor. Materials Technology, 2022, 37, 2976-2982.	3.0	3