

Jilin Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1621811/publications.pdf>

Version: 2024-02-01

51
papers

768
citations

516561

16
h-index

610775

24
g-index

53
all docs

53
docs citations

53
times ranked

700
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable synthesis of boron nitride submicron tubes and their excellent mechanical property and thermal conductivity applied in the epoxy resin polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 154, 106783.	3.8	13
2	Stable organic-inorganic hybrid bismuth-halide: Exploration of crystal-structural, morphological, thermal, spectroscopic and optoelectronic properties. <i>Journal of Molecular Structure</i> , 2022, 1264, 133102.	1.8	8
3	Modifying SnO ₂ with Polyacrylamide to Enhance the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 34143-34150.	4.0	27
4	Synthesis, Crystal Structure, Optical Properties and Stability of New Bismuth-Based Organic-Inorganic Compounds (C ₆ H ₉ N ₂) _a Bi _b X _c (X=Cl, Br, I). <i>ChemistrySelect</i> , 2021, 6, 1099-1106.	0.7	6
5	Unique three-dimensional hierarchical heterogeneous MoS ₂ /graphene structures as a high-performance anode material for lithium-ion batteries. <i>Ionics</i> , 2021, 27, 1977-1986.	1.2	5
6	Fabrication and mechanical properties of boron nitride nanotube reinforced boron carbide ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 187-194.	0.5	4
7	Thin-walled boron nitride micron square tube decorated by nanosheets: Preparation, characterization and adsorption property. <i>Ceramics International</i> , 2021, 47, 14115-14123.	2.3	9
8	Synthesis, Structure, and Photoelectric Properties of a Novel 0-Dimensional Organic-Inorganic Hybrid Perovskite (2-5-py) ₂ MnBr ₄ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 22898-22906.	1.5	13
9	Quasi-Isotropically Thermal Conductive, Highly Transparent, Insulating and Super-Flexible Polymer Films Achieved by Cross Linked 2D Hexagonal Boron Nitride Nanosheets. <i>Small</i> , 2021, 17, e2101409.	5.2	49
10	Synthesis, crystal structure, photoluminescence properties of organic-inorganic hybrid materials based on ethylenediamine bromide. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 52-60.	2.4	21
11	Preparation of graphite phase carbon nitride (g-C ₃ N ₄) micro-nano bouquet by thermal polymerization. <i>Materials Research Express</i> , 2020, 7, 115002.	0.8	8
12	Space-Confined Effect One-Pot Synthesis of γ -AlO(OH)/MgAl-LDH Heterostructures with Excellent Adsorption Performance. <i>Nanoscale Research Letters</i> , 2019, 14, 281.	3.1	32
13	Crystal structure and electrical conduction of the organic-inorganic compound (C ₆ H ₉ N ₂) ₂ ZnI ₄ . <i>Polyhedron</i> , 2019, 164, 48-54.	1.0	5
14	Preparation core/shell-type microparticles consisting of cBN cores aluminum coating via composite method. <i>Journal of Alloys and Compounds</i> , 2019, 773, 234-238.	2.8	5
15	One-Dimensional ABX ₃ -Type Fluorescent Crystal: CH ₃ NH ₃ ZnI ₃ . <i>Crystal Research and Technology</i> , 2018, 53, 1800017.	0.6	5
16	Crystal structure, optical behavior and electrical conduction of the new organic-inorganic compound CH ₃ NH ₃ CdI ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9821-9828.	1.1	7
17	Effect of Sodium Doping on Magnetic and Magnetocaloric Properties of La _{0.65} Sr _{0.35} MnO ₃ Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 373-379.	0.8	13
18	Crystal structure and electrical conduction of the new organic-inorganic compound (CH ₂) ₂ (NH ₃) ₂ CdI ₄ . <i>Journal of Molecular Structure</i> , 2018, 1156, 450-456.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Synthesis and Electrochemical Properties of Flower-like Na-doped V ₆ O ₁₃ Cathode Materials for Li-ion Batteries. <i>International Journal of Electrochemical Science</i> , 2018, 13, 6565-6576.	0.5	7
20	Effective Preparation of One-dimensional Boron Nitride Nanotube-supported Nanosheet Hierarchical Structures and Their Optical/Adsorption Properties. <i>ChemistrySelect</i> , 2018, 3, 10832-10836.	0.7	3
21	Synthesis of M (M=Co ²⁺ , Co ²⁺ /Ni ²⁺)-doped FeS ₂ Nanospheres with Enhanced Visible-light-induced Photocatalytic Activity. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 802-811.	0.4	7
22	Synthesis of High-quality Wurtzite Cu ₂ ZnSn(S _{1-x} N _x) ₄ Nanocrystals With Non-toxic Selenium Precursor and the Photoelectrochemical Performance of ZnO NAs/CZTSSe Heterojunction. <i>Solar Rrl</i> , 2018, 2, 1800015.	3.1	15
23	Photoluminescence and dielectric properties of pure/Yb-doped SrZrO ₃ crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 104, 1-7.	1.9	18
24	Understanding the growth mechanism of wurtzite Cu ₂ ZnSnS ₄ nanocrystals and the photodegradation properties. <i>Materials and Design</i> , 2017, 123, 24-31.	3.3	13
25	Glass fabrics self-cracking catalytic growth of boron nitride nanotubes. <i>Solid State Sciences</i> , 2017, 64, 23-28.	1.5	8
26	<i>In situ</i> synthesis of polycrystalline cubic boron nitride with high mechanical properties using rod-shaped TiB ₂ crystals as the binder. <i>Advances in Applied Ceramics</i> , 2017, 116, 419-427.	0.6	11
27	<i>In situ</i> controlled rapid growth of novel high activity TiB ₂ /(TiB ₂ @TiN) hierarchical/heterostructured nanocomposites. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2116-2125.	1.5	4
28	Hydrothermal Synthesis of High Specific Capacity Al-doped V ₆ O ₁₃ Cathode Material for Lithium-Ion Battery. <i>International Journal of Electrochemical Science</i> , 2017, 12, 1670-1679.	0.5	20
29	Hydrothermal Synthesis and Electrochemical Performance of Al-doped VO ₂ (B) as Cathode Materials for Lithium-Ion Battery. <i>International Journal of Electrochemical Science</i> , 2017, 12, 4979-4989.	0.5	15
30	Reaction coupling preparation of high sintering activity boron carbide nano-powders. <i>Ceramics International</i> , 2016, 42, 6969-6977.	2.3	16
31	Solvent-free catalytic synthesis and optical properties of super-hard phase ultrafine carbon nitride nanowires with abundant surface active sites. <i>RSC Advances</i> , 2016, 6, 23272-23278.	1.7	22
32	One-pot solvothermal synthesis of wurtzite Cu ₂ ZnSnS ₄ nanocrystals. <i>Materials Letters</i> , 2015, 158, 13-16.	1.3	11
33	Preparation of nano-sized zirconium carbide powders through a novel active dilution self-propagating high temperature synthesis method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 729-734.	0.4	8
34	Synthesis of hexagonal wurtzite Cu ₂ ZnSnS ₄ prisms by an ultrasound-assisted microwave solvothermal method. <i>Journal of Solid State Chemistry</i> , 2015, 229, 228-234.	1.4	18
35	Hot Pressing Kinetics and Densification Mechanisms of Boron Carbide. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1400-1406.	1.9	63
36	Synthesis of boron nitride nanotubes using glass fabrics as catalyst growth framework. <i>Ceramics International</i> , 2015, 41, 1891-1896.	2.3	17

#	ARTICLE	IF	CITATIONS
37	Synthesis mechanism and mechanical properties of TiB ₂ @SiC composites fabricated with the B ₄ C@TiC@Si system by reactive hot pressing. <i>Journal of Alloys and Compounds</i> , 2015, 619, 26-30.	2.8	38
38	Synthesis and structural evolution of B ₄ C@SiC nanocomposite powders by mechanochemical processing and subsequent heat treatment. <i>Powder Technology</i> , 2014, 254, 131-136.	2.1	21
39	Growth mechanism and ultraviolet-visible property of novel thick-walled boron nitride nanostructures. <i>CrystEngComm</i> , 2014, 16, 2746.	1.3	13
40	Low temperature synthesis of polycrystalline explosion phase boron nitride submicron-powders. <i>Diamond and Related Materials</i> , 2013, 31, 15-18.	1.8	6
41	A self-propagation high-temperature synthesis and annealing route to synthesis of wave-like boron nitride nanotubes. <i>Materials Research Bulletin</i> , 2013, 48, 943-947.	2.7	13
42	Synthesis of nano-sized amorphous boron powders through active dilution self-propagating high-temperature synthesis method. <i>Materials Research Bulletin</i> , 2013, 48, 2018-2022.	2.7	27
43	Growth and Optical Properties of Explosion Phase Boron Nitride Octahedron Crystals. <i>Crystal Growth and Design</i> , 2013, 13, 599-605.	1.4	9
44	Catalytic growth of bamboo-like boron nitride nanotubes using self-propagation high temperature synthesized porous precursor. <i>Materials Letters</i> , 2012, 67, 17-20.	1.3	21
45	Synthesis of Horn-Like BN Derived from Thorn-Like Ca ₂ B ₂ O ₅ ·H ₂ O. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 437-439.	2.0	0
46	A fast-pyrolysis self-propagating high temperature synthesis route to single phase of boron carbide ultrafine powders. <i>Journal of the Ceramic Society of Japan</i> , 2011, 119, 631-634.	0.5	7
47	High-yield Synthesis of Boron Nitride Nanotubes by Annealing Fe ₃ BO ₆ . <i>Chemistry Letters</i> , 2011, 40, 540-541.	0.7	5
48	Selective synthesis of boron nitride nanotubes by self-propagation high-temperature synthesis and annealing process. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2478-2484.	1.4	57
49	Convenient synthesis of Fe-filled boron nitride nanotubes by SHS method. <i>Materials Letters</i> , 2011, 65, 866-868.	1.3	18
50	Synthesis of thorn-like Ca ₂ B ₂ O ₅ ·H ₂ O by hydrothermal method. <i>Bulletin of Materials Science</i> , 2011, 34, 1197-1199.	0.8	4
51	Synthesis of Boron Nitride Nanotubes by Self-Propagation High-Temperature Synthesis and Annealing Method. <i>Journal of Nanomaterials</i> , 2010, 2010, 1-6.	1.5	16