Xin Guo

List of Publications by Year in descending order

32 papers	748 citations	687335 13 h-index	526264 27 g-index
33 all docs	33 docs citations	33 times ranked	1448 citing authors

#	Article	IF	Citations
1	Effect of flower-like Ni/C nanocrystal on electrochemical hydrogen storage properties of Coâ€“P alloy. Journal of Physics and Chemistry of Solids, 2022, 161, 110496.	4.0	3
2	Co,N-co-doped graphene sheet as a sulfur host for high-performance lithiumâ€“sulfur batteries. RSC Advances, 2022, 12, 1375-1383.	3.6	5
3	Influence of S and Se doping on the electronic characteristic and optical properties of T-carbon by first-principles calculation. Modern Physics Letters B, 2022, 36, .	1.9	1
4	Effect of B, Al, Ga doping on the electronic structure and optical property of 4H-SiC system by the first principles calculation. Modern Physics Letters B, 2021, 35, 2150091.	1.9	1
5	Structure stability, electronic property and voltage profile of LiFe1â^'nNnP1â^'mMmO4 olivine cathode material. Rare Metals, 2021, 40, 3512-3519.	7.1	6
6	Multiple Roles of Unconventional Heteroatom Dopants in Chalcogenide Thermoelectrics: The Influence of Nb on Transport and Defects in Bi₂Te₃. ACS Applied Materials & Interfaces, 2021, 13, 13400-13409.	8.0	15
7	Shear deformation mechanical performance of Niâ€“Co alloy nanoplate by molecular dynamics simulation. Modern Physics Letters B, 2021, 35, 2150323.	1.9	4
8	Electronic property of intrinsic point defect system on Î²â€“Si3N4 (0001) surface. Modern Physics Letters B, 2021, 35, 2150359.	1.9	0
9	Temperature sensitive properties and preparation of europium complexes with double ligands. Luminescence, 2021, 36, 1476-1482.	2.9	4
10	Effective Oxidation-Responsive Polyester Nanocarriers for Anti-Inflammatory Drug Delivery. International Journal of Nanomedicine, 2021, Volume 16, 5053-5064.	6.7	6
11	Smartphone-based DNA diagnostics for malaria detection using deep learning for local decision support and blockchain technology for security. Nature Electronics, 2021, 4, 615-624.	26.0	50
12	The different effect of Co3O4 or/and carbon fiber originated from biomass on the electrochemical hydrogen storage performance of Co2B alloy. International Journal of Hydrogen Energy, 2021, 47, 490-490.	7.1	3
13	Synergistically Optimized Electron and Phonon Transport of Polycrystalline BiCuSeO via Pb and Yb Co-Doping. ACS Applied Materials & Interfaces, 2021, 13, 57638-57645.	8.0	15
14	Effect of high pressure on structure characteristics and electrical transport properties of layered BiCuSeO oxyselenides. Journal of Alloys and Compounds, 2020, 812, 152106.	5.5	3
15	Research on electronic structure and optical characteristic ofÂS-adsorbed 3Câ€“SiC. Modern Physics Letters B, 2020, 34, 2050372.	1.9	1
16	Multiâ€functional TiO ₂ nanosheets/carbon nanotubes modified separator enhanced cycling performance for lithiumâ€sulfur batteries. International Journal of Energy Research, 2020, 44, 3231-3240.	4.5	18
17	A Firstâ€Principles Study of Boronâ€Doped BC 2 N Sheet as Potential Anode Material for Li/Naâ€Ion Batteries. ChemElectroChem, 2019, 6, 3797-3805.	3.4	8
18	Band structure manipulated by high pressure-assisted Te doping realizing improvement in thermoelectric performance of BiCuSeO system. Journal of Materiomics, 2019, 5, 649-656.	5.7	12

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19	Pressure-induced electrical transport properties, texture, and microstructure of the (Bi,Sb)₂Te₃ alloys. Inorganic Chemistry Frontiers, 2018, 5, 1540-1544.	6.0	14
20	Hexagonal Boron Nitride/Blue Phosphorene Heterostructure as a Promising Anode Material for Li/Na-Ion Batteries. Journal of Physical Chemistry C, 2018, 122, 23329-23335.	3.1	52
21	Quaternary thermoelectric materials: Synthesis, microstructure and thermoelectric properties of the (Bi,Sb)2(Te,Se)3 alloys. Journal of Alloys and Compounds, 2017, 705, 363-368.	5.5	10
22	Thermoelectric properties of Ni_{0.15}Co_{3.85}Sb₁₂ and Fe_{0.2}Ni_{0.15}Co_{3.65}Sb₁₂ skutterudites prepared by HPHT method. Materials Science-Poland, 2017, 35, 496-500.	1.0	3
23	Effect of doping indium into a Bi₂Te₃ matrix on the microstructure and thermoelectric transport properties. RSC Advances, 2016, 6, 60736-60740.	3.6	19
24	Identification and characterization of the intermediate phase in hybrid organicâ€“inorganic MAPbI₃perovskite. Dalton Transactions, 2016, 45, 3806-3813.	3.3	283
25	Visibleâ€Lightâ€Triggered Molecular Photoswitch Based on Reversible E/Z Isomerization of a 1,2â€Dicyanoethene Derivative. Angewandte Chemie - International Edition, 2015, 54, 4782-4786.	13.8	58
26	Investigation of electrical transport properties of Bi_{0.5}Sb_{1.5}Te_{2.7}Se_{0.3} alloys prepared by high-pressure method. Functional Materials Letters, 2015, 08, 1550055.	1.2	3
27	Molecular Switching via Multiplicity-Exclusive E/Z Photoisomerization Pathways. Journal of the American Chemical Society, 2015, 137, 10841-10850.	13.7	28
28	Fast preparation and high thermoelectric performance of the stable Bi 0.5 Sb 1.5 Te 3 bulk materials for different synthesis pressures. Chemical Physics Letters, 2014, 610-611, 204-208.	2.6	14
29	Thermoelectric transport properties and crystal growth of BiSbTe3 bulk materials produced by a unique high-pressure synthesis. CrystEngComm, 2013, 15, 7236.	2.6	32
30	Investigating the thermoelectric properties of synthesized Bi2Te3 under different synthesis pressures. Chemical Physics Letters, 2013, 568-569, 190-194.	2.6	11
31	Double effects of high pressure and Sb doping content on thermoelectric properties of Bi2Te3-based alloys. Chemical Physics Letters, 2012, 550, 170-174.	2.6	13
32	Low Temperature Stability of Cubic Zirconia. Physica Status Solidi A, 2000, 177, 191-201.	1.7	35