

Kang Xia

List of Publications by Year in descending order

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15
papers

389
citations

1162889

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docs citations

15
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Route to a novel tetragonal carbon allotrope via T-carbon. <i>Diamond and Related Materials</i> , 2022, , 108895.	1.8	0
2	High-energy-density metal nitrides with armchair chains. <i>Matter and Radiation at Extremes</i> , 2022, 7, .	1.5	10
3	High-energy-density pentazolate salts: CaN10 and BaN10. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	19
4	Tungsten Hexanitride with Single-Bonded Armchairlike Hexazine Structure at High Pressure. <i>Physical Review Letters</i> , 2021, 126, 065702.	2.9	52
5	Strong anharmonicity in tin monosulfide evidenced by local distortion, high-energy optical phonons, and anharmonic potential. <i>Physical Review B</i> , 2021, 103, .	1.1	5
6	Evidence of spin reorientation and anharmonicity in kagome ferromagnet Fe ₃ Sn ₂ . <i>Applied Physics Letters</i> , 2021, 119, .	1.5	5
7	Icosahedral silicon boride: A potential hybrid photovoltaic-thermoelectric for energy harvesting. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
8	Ferromagnetic Semiconducting VI ₃ Single-Chain Nanowire. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2096-2103.	1.5	7
9	Predictions on High-Power Trivalent Metal Pentazolate Salts. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6166-6173.	2.1	62
10	Pressure-Stabilized High-Energy-Density Alkaline-Earth-Metal Pentazolate Salts. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10205-10211.	1.5	69
11	A novel superhard tungsten nitride predicted by machine-learning accelerated crystal structure search. <i>Science Bulletin</i> , 2018, 63, 817-824.	4.3	102
12	Silicon clathrates for photovoltaics predicted by a two-step crystal structure search. <i>Applied Physics Letters</i> , 2017, 111, 173904.	1.5	11
13	High-temperature superconducting phase of HBr under pressure predicted by first-principles calculations. <i>Physical Review B</i> , 2017, 96, .	1.1	8
14	Superhard and superconducting B ₆ C. <i>Materials Today Physics</i> , 2017, 3, 76-84.	2.9	13
15	Ground state structure of high-energy-density polymeric carbon monoxide. <i>Physical Review B</i> , 2017, 95, .	1.1	22