Kang Xia

List of Publications by Year
in descending order

15	389	1162889 8	1058333 14
papers	citations	h-index	g-index

15	15	15	372
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel superhard tungsten nitride predicted by machine-learning accelerated crystal structure search. Science Bulletin, 2018, 63, 817-824.	4.3	102
2	Pressure-Stabilized High-Energy-Density Alkaline-Earth-Metal Pentazolate Salts. Journal of Physical Chemistry C, 2019, 123, 10205-10211.	1.5	69
3	Predictions on High-Power Trivalent Metal Pentazolate Salts. Journal of Physical Chemistry Letters, 2019, 10, 6166-6173.	2.1	62
4	Tungsten Hexanitride with Single-Bonded Armchairlike Hexazine Structure at High Pressure. Physical Review Letters, 2021, 126, 065702.	2.9	52
5	Ground state structure of high-energy-density polymeric carbon monoxide. Physical Review B, 2017, 95, .	1.1	22
6	High-energy-density pentazolate salts: CaN10 and BaN10. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	19
7	Superhard and superconducting B6C. Materials Today Physics, 2017, 3, 76-84.	2.9	13
8	Silicon clathrates for photovoltaics predicted by a two-step crystal structure search. Applied Physics Letters, 2017, 111, 173904.	1.5	11
9	High-energy-density metal nitrides with armchair chains. Matter and Radiation at Extremes, 2022, 7, .	1.5	10
10	High-temperature superconducting phase of HBr under pressure predicted by first-principles calculations. Physical Review B, 2017, 96, .	1.1	8
11	Ferromagnetic Semiconducting VI₃ Single-Chain Nanowire. Journal of Physical Chemistry C, 2020, 124, 2096-2103.	1.5	7
12	Strong anharmonicity in tin monosulfide evidenced by local distortion, high-energy optical phonons, and anharmonic potential. Physical Review B, 2021, 103, .	1.1	5
13	Evidence of spin reorientation and anharmonicity in kagome ferromagnet Fe3Sn2. Applied Physics Letters, 2021, 119, .	1.5	5
14	Icosahedral silicon boride: A potential hybrid photovoltaic-thermoelectric for energy harvesting. Physical Review Materials, 2021, 5, .	0.9	4
15	Route to a novel tetragonal carbon allotrope via T-carbon. Diamond and Related Materials, 2022, , 108895.	1.8	0