Yuwei Li

List of Publications by Year in descending order

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24	756	687363 13	580821 25
papers	citations	h-index	g-index

25	25	25	1362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Copper(I)-Based Flexible Organicâ€“Inorganic Coordination Polymer and Analogues: High-Power Factor Thermoelectrics. ACS Applied Materials & Interfaces, 2020, 12, 53841-53851.	8.0	14
2	Prediction of ternary alkaline-earth metal Sn(II) and Pb(II) chalcogenide semiconductors. Physical Review Materials, 2020, 4, .	2.4	1
3	First-principles investigation of structural and electronic properties of oxygen adsorbing phosphorene. Progress in Natural Science: Materials International, 2019, 29, 316-321.	4.4	12
4	Discovery of TaFeSb-based half-Heuslers with high thermoelectric performance. Nature Communications, 2019, 10, 270.	12.8	227
5	First principles based screen for identification of transparent conductors. Journal of Materials Chemistry C, 2019, 7, 2436-2442.	5.5	5
6	Thermoelectric properties of layered NaSbSe₂. Journal of Physics Condensed Matter, 2018, 30, 225501.	1.8	10
7	Bismuth and antimony-based oxyhalides and chalcohalides as potential optoelectronic materials. Npj Computational Materials, 2018, 4, .	8.7	86
8	Frustrated Structural Instability in Superconducting Quasi-One-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow><mml:m Physical Review Letters, 2018, 121, 187002.	7.8	16
9	Thermoelectric properties of p-type cubic and rhombohedral GeTe. Journal of Applied Physics, 2018, 123, .	2.5	40
10	Optimal Bandgap in a 2D Ruddlesdenâ€“Popper Perovskite Chalcogenide for Single-Junction Solar Cells. Chemistry of Materials, 2018, 30, 4882-4886.	6.7	49
11	Tunability of electronic and optical properties of the Baâ€“Zrâ€“S system via dimensional reduction. European Physical Journal B, 2018, 91, 1.	1.5	16
12	Rational design of new phases of tin monosulfide by first-principles structure searches. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	15
13	Optical and electronic properties of doped p -type CuI: Explanation of transparent conductivity from first principles. Physical Review Materials, 2018, 2, .	2.4	7
14	Sn2Se3: A conducting crystalline mixed valent phase change memory compound. Journal of Applied Physics, 2017, 121, .	2.5	9
15	Infrared absorption and visible transparency in heavily doped p-type BaSnO3. Applied Physics Letters, 2017, 110, 051904.	3.3	11
16	Sn(II)-Containing Phosphates as Optoelectronic Materials. Chemistry of Materials, 2017, 29, 2459-2465.	6.7	17
17	Prediction of nontrivial band topology and superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">g</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Pb</mml:mi></mml:mrow></mml:math>.	2.4	8
18	New stable ternary alkaline-earth metal Pb(II) oxides: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi><mml:mo>/</mml:mo><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaPbO</mml:mi><mml:mn>2</mml:mn></mml:msub></r Physical Review Materials, 2017, 1, .	2.4	10

#	Article	IF	Citations
19	Electronic fitness function for screening semiconductors as thermoelectric materials. Physical Review Materials, 2017, 1, .	2.4	98
20	Properties of the ferroelectric visible light absorbing semiconductors: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sn</mml:mi><mml:mn>2</mml:mn></mml: mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sn</mml:mi><mml:mn>2</mml:mn></mml: 	2.4	23
21	Determination of the high pressure phases of CaWO₄ by CALYPSO and Xâ€ray diffraction studies. Physica Status Solidi (B): Basic Research, 2016, 253, 1947-1951.	1.5	8
22	Identification and properties of the non-cubic phases of Mg2Pb. AIP Advances, 2016, 6, 125108.	1.3	3
23	Design of ternary alkaline-earth metal Sn(<scp>ii</scp>) oxides with potential good p-type conductivity. Journal of Materials Chemistry C, 2016, 4, 4592-4599.	5.5	29
24	Tuning optical properties of transparent conducting barium stannate by dimensional reduction. APL Materials, 2015, 3, .	5.1	29