

Wendy L Mao

List of Publications by Year in descending order

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31
papers

1,659
citations

430874

18
h-index

477307

29
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31
all docs

31
docs citations

31
times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	Preserving a robust CsPbI ₃ perovskite phase via pressure-directed octahedral tilt. Nature Communications, 2021, 12, 461.	12.8	90
2	Pressure-induced excimer formation and fluorescence enhancement of an anthracene derivative. Journal of Materials Chemistry C, 2021, 9, 934-938.	5.5	20
3	Sub-10-nm graphene nanoribbons with atomically smooth edges from squashed carbon nanotubes. Nature Electronics, 2021, 4, 653-663.	26.0	61
4	Revealing Local Disorder in a Silver-Bismuth Halide Perovskite upon Compression. Journal of Physical Chemistry Letters, 2021, 12, 532-536.	4.6	11
5	High Compression-Induced Conductivity in a Layered CuBr Perovskite. Angewandte Chemie - International Edition, 2020, 59, 4017-4022.	13.8	23
6	High Compression-Induced Conductivity in a Layered CuBr Perovskite. Angewandte Chemie, 2020, 132, 4046-4051.	2.0	7
7	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite (BA) ₄ AgBiBr ₈ (BA=CH ₃ (CH ₂) ₃ NH ₃ ⁺). Angewandte Chemie, 2019, 131, 15393-15397.	2.0	36
8	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite (BA) ₄ AgBiBr ₈ (BA=CH ₃ (CH ₂) ₂) ₃ NH ₃ ⁺). Angewandte Chemie - International Edition, 2019, 58, 15249-15253.	13.8	105
9	Tuning Optical and Electronic Properties in Low-Toxicity Organic-Inorganic Hybrid (CH ₃ NH ₃) ₃ Bi ₂ I ₉ under High Pressure. Journal of Physical Chemistry Letters, 2019, 10, 1676-1683.	4.6	35
10	Sterically controlled mechanochemistry under hydrostatic pressure. Nature, 2018, 554, 505-510.	27.8	71
11	The structure and unconventional dihydrogen bonding of a pressure-stabilized hydrogen-rich (NH ₃ BH ₃) ₂ x (x = 1.5) compound. Journal of Materials Chemistry A, 2017, 5, 7111-7117.	10.3	4
12	Pressure-Induced Metallization of the Halide Perovskite (CH ₃ NH ₃) ₃ PbI ₃ . Journal of the American Chemical Society, 2017, 139, 4330-4333.	13.7	157
13	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. Nano Letters, 2017, 17, 7761-7766.	9.1	46
14	High-Pressure Single-Crystal Structures of 3D Lead-Halide Hybrid Perovskites and Pressure Effects on their Electronic and Optical Properties. ACS Central Science, 2016, 2, 201-209.	11.3	357
15	General 2.5 power law of metallic glasses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1714-1718.	7.1	50
16	Structural transition and amorphization in compressed \pm SbO ₃ . Physical Review B, 2015, 91, .	3.2	14
17	Pressure induced metallization with absence of structural transition in layered molybdenum diselenide. Nature Communications, 2015, 6, 7312.	12.8	193
18	Compressed hydrogen heats up. Nature Materials, 2015, 14, 466-468.	27.5	4

#	ARTICLE	IF	CITATIONS
19	A Novel Phase of $\text{Li}_{15}\text{Si}_4$ Synthesized under Pressure. <i>Advanced Energy Materials</i> , 2015, 5, 1500214.	19.5	14
20	Fractal atomic-level percolation in metallic glasses. <i>Science</i> , 2015, 349, 1306-1310.	12.6	114
21	Five-dimensional visualization of phase transition in BiNiO_3 under high pressure. <i>Applied Physics Letters</i> , 2014, 104, 043108.	3.3	18
22	Evidence for photo-induced monoclinic metallic VO_2 under high pressure. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	42
23	High Pressure Raman and X-ray Diffraction Study of [121] Tetramantane. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7683-7689.	3.1	6
24	Tuning the crystal structure and electronic states of Ag_2Mn_2 . Structural transitions and metallization under pressure. <i>Physical Review B</i> , 2014, 89, .	3.1	24
25	Universal Fractional Noncubic Power Law for Density of Metallic Glasses. <i>Physical Review Letters</i> , 2014, 112, 185502.	7.8	64
26	Novel pressure-induced phase transitions in Co_3O_4 . <i>Applied Physics Letters</i> , 2013, 102, .	3.3	14
27	Three-Dimensional Coherent X-Ray Diffraction Imaging of Molten Iron in Mantle Olivine at Nanoscale Resolution. <i>Physical Review Letters</i> , 2013, 110, 205501.	7.8	45
28	High-pressure Raman spectroscopy of phase change materials. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	21
29	Pressure-induced behavior of the hydrogen-dominant compound $\text{SiH}_4(\text{H}_2)_2$ from first-principles calculations. <i>Physical Review B</i> , 2010, 82, .	3.2	13
30	Local Disorder in a Silver-Bismuth Halide Perovskite. , 0, , .		0
31	Elucidation of Structural and Electronic Property Relationships in Hybrid Materials with High Pressure. , 0, , .		0