Berna AkgenÃ§

List of Publications by Year
in descending order

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18	514	687363 13	839539 18
papers	citations	h-index	g-index

19	19	19	451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Van der Waals heterostructures of MoS₂and Janus MoSSe monolayers on graphitic boron-carbon-nitride (BC₃,C₃N,C₃N₄andC₄N₃ nanosheets: a first-principles study. Journal Physics D: Applied Physics, 2020, 53, 355106.	2.8	64
2	Tunable electronic and magnetic properties of graphene/carbon-nitride van der Waals heterostructures. Applied Surface Science, 2020, 505, 144450.	6.1	61
3	Intriguing of two-dimensional Janus surface-functionalized MXenes: An ab initio calculation. Computational Materials Science, 2020, 171, 109231.	3.0	56
4	Control of C₃N₄and C₄N₃carbon nitride nanosheetsâ€™ electronic and magnetic properties through embedded atoms. Physical Chemistry Chemical Physics, 2020, 22, 2249-2261.	2.8	49
5	Embedding of atoms into the nanopore sites of the C₆N₆and C₆N₈porous carbon nitride monolayers with tunable electronic properties. Physical Chemistry Chemical Physics, 2020, 22, 6418-6433.	2.8	38
6	Strain and electric field tuning of semi-metallic character WCrCO₂ MXenes with dual narrow band gap. Journal of Physics Condensed Matter, 2020, 32, 355504.	1.8	33
7	New predicted two-dimensional MXenes and their structural, electronic and lattice dynamical properties. Solid State Communications, 2019, 303-304, 113739.	1.9	31
8	Two-dimensional black arsenic for Li-ion battery applications: a DFT study. Journal of Materials Science, 2019, 54, 9543-9552.	3.7	31
9	Phase-dependent electronic and magnetic properties of Ti2C monolayers. Journal of Applied Physics, 2020, 127, .	2.5	30
10	Oxygen Vacancies in the Single Layer of Ti₂CO₂ MXene: Effects of Gating Voltage, Mechanical Strain, and Atomic Impurities. Physica Status Solidi (B): Basic Research, 2020, 257, 2000343.	1.5	29
11	First â€“ principles calculations on stability and mechanical properties of various ABO3 and their alloys. Materials Chemistry and Physics, 2018, 205, 315-324.	4.0	24
12	Tuning of electronic structure, magnetic phase, and transition temperature in two-dimensional Cr-based Janus MXenes. Physical Review Materials, 2021, 5, .	2.4	23
13	First-principles investigation of electronic, mechanical and thermoelectric properties of graphene-like XBi (X = Si, Ge, Sn) monolayers. Physical Chemistry Chemical Physics, 2021, 23, 12471-12478.	2.8	16
14	Prediction of monoclinic single-layer Janus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ga</mml:mi><mml:mn>2</mml:mn></mml: (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:mi></mml:math> = S) Tj ETQq0 0 0 rgBT /Overloc	3.2	12
15	Aluminum and lithium sulfur batteries: a review of recent progress and future directions. Journal of Physics Condensed Matter, 2021, 33, 253002.	1.8	7
16	Modified Li chains as atomic switches. Scientific Reports, 2013, 3, 2605.	3.3	6
17	Tuning the structural, electronic and dynamical properties of Janus M4X3Y3 (M = Pd, Ni and Co; X,Y = S,) Tj ETQq1 1 0.784314 rgBT /O	2.8	3
18	Modeling Superionic Behavior of Plutonium Dioxide. High Temperature Materials and Processes, 2016, 35, 999-1004.	1.4	1