olcay Ãœzengi AktÃ¼rk

List of Publications by Year
in descending order

Version: 2024-02-01

26 papers	479 citations	858243 12 h-index	759306 22 g-index
26 all docs	26 docs citations	26 times ranked	735 citing authors

#	Article	IF	Citations
1	Dopingâ€Driven Antiferromagnetic to Ferromagnetic Phase Transition in Tetragonal Cr2B2 Monolayer. Physica Status Solidi (B): Basic Research, 2021, 258, 2000396.	0.7	9
2	Columnar antiferromagnetic order of a MBene monolayer. Physical Review B, 2021, 103, .	1.1	10
3	Theoretical Screening of Metal Borocarbide Sheets for High-Capacity and High-Rate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Li</mml:mi></mml:math> - and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"	1.5	15
4	Novel two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mtext>C</mml:mtext><mml:mtext>r</mml:mtext><mml:mtext>X</mml:mtext><mml:msub><mm (X=Cr, Ru) metal for high NÃ©el temperature antiferromagnetic spintronics. Journal of Solid State Chemistry, 2021, 302, 122427.	1.4	3
5	Ferromagnetic TM₂BC (TM = Cr, Mn) monolayers for spintronic devices with high Curie temperature. Physical Chemistry Chemical Physics, 2021, 23, 6107-6115.	1.3	29
6	Exploring the potential of MnX (S, Sb) monolayers for antiferromagnetic spintronics: A theoretical investigation. Journal of Applied Physics, 2020, 128, .	1.1	15
7	Functionalisation of hexagonal boron phosphide (h-BP) monolayer via atomic adsorption. Philosophical Magazine Letters, 2020, 100, 116-127.	0.5	3
8	Tuning the electronic structure of RhX₃ (X = Cl, Br, I) nonmagnetic monolayers: effects of charge-injection and external strain. Physical Chemistry Chemical Physics, 2020, 22, 4561-4573.	1.3	5
9	A tetragonal phase Mn₂B₂ sheet: a stable room temperature ferromagnet with sizable magnetic anisotropy. Physical Chemistry Chemical Physics, 2020, 22, 10893-10899.	1.3	28
10	Enhanced Interactions of Amino Acids and Nucleic Acid Bases with Bare Black Phosphorene Monolayer Mediated by Coadsorbed Species. Journal of Physical Chemistry C, 2019, 123, 23691-23704.	1.5	10
11	Strain effects on electronic and magnetic properties of the monolayer Î±-RuCl3: A first-principles and Monte Carlo study. Journal of Applied Physics, 2019, 125, .	1.1	32
12	Exploring the electronic and magnetic properties of new metal halides from bulk to two-dimensional monolayer: RuX3 (Xâ€¯=â€¯Br, I). Journal of Magnetism and Magnetic Materials, 2019, 476, 111-119.	1.0	48
13	Stable monolayer of the RuO₂ structure by the Peierls distortion. Philosophical Magazine, 2019, 99, 376-385.	0.7	18
14	Chemical and substitutional doping, and anti-site and vacancy formation in monolayer AlN and GaN. Physical Chemistry Chemical Physics, 2018, 20, 16077-16091.	1.3	45
15	Molecular adsorption properties of CO and H 2 O on Au-, Cu-, and Au x Cu y -doped MoS 2 monolayer. Applied Surface Science, 2017, 425, 246-253.	3.1	21
16	Effects of gold based dimers on structural and electronic properties of MoS2. Applied Surface Science, 2017, 396, 455-460.	3.1	8
17	T-ZrS nanoribbons: structure and electronic properties. Philosophical Magazine, 2016, 96, 2074-2087.	0.7	8
18	Adsorption of alkali and alkaline-earth metal atoms on stanene: A first-principles study. Materials Chemistry and Physics, 2016, 180, 326-331.	2.0	33

#	ARTICLE	IF	CITATIONS
19	Extending the cluster scaling technique to ruthenium clusters with hcp structures. Surface Science, 2016, 643, 156-163.	0.8	10
20	Adsorption of RuSex (x=1â€“5) cluster on Se-doped graphene: First principle calculations. Applied Surface Science, 2015, 347, 808-815.	3.1	5
21	Lithium and antimony adsorbed on graphene studied by first-principles calculations. Applied Surface Science, 2011, 258, 800-805.	3.1	9
22	Au8 cluster adsorption on Si(100):2Ã—1 asymmetric surface studied by a first principles calculation. Thin Solid Films, 2010, 518, 3234-3239.	0.8	1
23	NH3 and H2S adsorption on Au3Pt3 cluster studied by a first principles calculation. Thin Solid Films, 2010, 518, 5195-5203.	0.8	7
24	Bismuth doping of graphene. Applied Physics Letters, 2010, 96, .	1.5	30
25	VIBRATIONAL MODES IN SMALL Agn, Aun CLUSTERS: A FIRST PRINCIPLE CALCULATION. International Journal of Modern Physics B, 2009, 23, 5819-5834.	1.0	10
26	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Au</mml:mtext></mml:mrow><mml:mi>n</mml:mi></mml:msub adsorbed on graphene studied by first-principles calculations. Physical Review B, 2009, 80, .	1.1	67