

Cihan KÃ¼rkÃ¼Å

List of Publications by Year in descending order

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26
papers

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citations

933447

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docs citations

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times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	High pressure phase transitions and physical properties of Li ₂ MgH ₄ ; implications for hydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 4720-4730.	7.1	27
2	Structural evolution, mechanical, electronic and vibrational properties of high capacity hydrogen storage TiH ₄ . International Journal of Hydrogen Energy, 2020, 45, 30783-30791.	7.1	21
3	Investigation of the structural and electronic properties of CdS under high pressure: an ab initio study. Canadian Journal of Physics, 2018, 96, 216-224.	1.1	20
4	High-pressure structural phase transitions and intermediate phases of magnesium fluoride. Journal of Alloys and Compounds, 2014, 597, 155-160.	5.5	16
5	Theoretical calculations of high-pressure phases of NiF ₂ : An ab initio constant-pressure study. Russian Journal of Physical Chemistry A, 2016, 90, 2550-2555.	0.6	13
6	Investigation of structural and electronic properties of Î ² -â€‰HgS: Molecular dynamics simulations. Chinese Journal of Physics, 2018, 56, 783-792.	3.9	12
7	Structural, electronic, elastic and vibrational properties of two dimensional graphene-like BN under high pressure. Solid State Communications, 2019, 303-304, 113740.	1.9	12
8	A study of structural phase transitions and optoelectronic properties of perovskite-type hydride MgFeH ₃ : <i>ab initio</i> calculations. Journal of Physics Condensed Matter, 2019, 31, 305401.	1.8	11
9	Structural and electronic properties of BiOF with two-dimensional layered structure under high pressure: Ab initio study. Solid State Communications, 2019, 288, 33-37.	1.9	11
10	Structural phase transition and electronic properties of CaO under high pressure. Materials Research Express, 2018, 5, 125903.	1.6	10
11	Structural phase transformations and new intermediate phases of MgF ₂ under high-pressures applied via conjugate-gradient method. Journal of Alloys and Compounds, 2014, 609, 185-191.	5.5	9
12	Pressure-induced phase transitions and structural properties of CoF ₂ : An ab-initio molecular dynamics study. Solid State Communications, 2016, 231-232, 17-25.	1.9	9
13	Structural evolution and electronic properties of CaS: An ab initio study. Solid State Sciences, 2019, 90, 14-20.	3.2	9
14	Pressure-induced phase transitions, electronic, elastic and vibrational properties of zinc oxide under high pressure. Indian Journal of Physics, 2019, 93, 979-989.	1.8	8
15	A study of structural, electronic, elastic, phonon properties, and transition mechanism of wurtzite CdTe under high pressure. Solid State Sciences, 2020, 105, 106209.	3.2	6
16	Structural Phase Transformation, Intermediate States and Electronic Properties of PbTe Under High Pressure. Journal of Electronic Materials, 2020, 49, 3089-3095.	2.2	4
17	Ab-initio study of structural, electronic, elastic, phonon properties, and phase transition path of sodium selenite. Chemical Physics, 2020, 539, 110934.	1.9	3
18	Pressure-Induced Phase Transformations, Electronic Properties and Intermediate Phases of Chromium Dioxide. Acta Physica Polonica A, 2019, 136, 26-32.	0.5	3

#	ARTICLE	IF	CITATIONS
19	An Ab-initio Study of Structural and Electronic Properties of CaTe under High Pressure. Russian Journal of Physical Chemistry A, 2019, 93, 2226-2232.	0.6	2
20	High-pressure structural phase transitions, electronic properties, and intermediate states of CaSe. Canadian Journal of Physics, 2019, 97, 797-802.	1.1	2
21	Investigation of structural, electronic and elastic properties of matlockite-type SrFI under high pressure: An Ab-initio study. Solid State Communications, 2021, 336, 114399.	1.9	2
22	The finite-size scaling study of four-dimensional Ising model in the presence of external magnetic field. Low Temperature Physics, 2014, 40, 1058-1062.	0.6	1
23	I4/mmm phase of MgF2: An ab initio molecular dynamics study. Russian Journal of Physical Chemistry A, 2015, 89, 2407-2410.	0.6	0
24	The Finite-Size Scaling Study of Five-Dimensional Ising Model. Acta Physica Polonica A, 2016, 129, 1100-1104.	0.5	0
25	Phase transitions, elastic and electronic properties of hydrogen storage Na ₂ PdH ₄ . Low Temperature Physics, 2021, 47, 1037-1040.	0.6	0
26	Hydrogen storage properties, structural analysis, elastic and electronic properties of K ₂ PdH ₄ . Low Temperature Physics, 2021, 47, 1033-1036.	0.6	0