

Yesim Mogulkoc

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

937
citations

394286

19
h-index

454834

30
g-index

35
all docs

35
docs citations

35
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of external strain on electronic structure of stanene. Computational Materials Science, 2015, 101, 164-167.	1.4	86
2	Structural, electronic and magnetic properties of Fe ₂ -based full Heusler alloys: A first principle study. Journal of Magnetism and Magnetic Materials, 2016, 407, 167-174.	1.0	67
3	Electronic structure and optical properties of novel monolayer gallium nitride and boron phosphide heterobilayers. Physical Chemistry Chemical Physics, 2018, 20, 28124-28134.	1.3	58
4	Electronic and optical properties of boron phosphide/blue phosphorus heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 12053-12060.	1.3	53
5	Electronic and optical properties of bilayer blue phosphorus. Computational Materials Science, 2016, 124, 23-29.	1.4	51
6	The effect of strain and functionalization on the optical properties of borophene. Physical Chemistry Chemical Physics, 2018, 20, 21043-21050.	1.3	45
7	The electronic, half-metallic, and magnetic properties of Ca ₁ -Cr ₁ -S ternary alloys: Insights from the first-principle calculations. Journal of Molecular Graphics and Modelling, 2019, 89, 22-32.	1.3	43
8	Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co ₂ MnZ (Z = Al, Tj) ETQq0 0 0 rgBT /Overlock 10 Tf . 809-817.	0.8	41
9	Polaronic effects in monolayer black phosphorus on polar substrates. Physical Review B, 2016, 93, .	1.1	41
10	Oxygenation of monolayer gallium monochalcogenides: Design of two-dimensional ternary <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:msub></mml:mrow></mml:math>		

#	ARTICLE	IF	CITATIONS
19	An analysis of Schottky barrier in silicene/Ga ₂ Se ₃ heterostructures by employing electric field and strain. Physical Chemistry Chemical Physics, 2022, 24, 10210-10221.	1.3	21
20	First principles study on optoelectronic properties of energetically stable Si/InS van der Waals heterobilayers. Journal of Materials Science, 2020, 55, 15199-15212.	1.7	17
21	Investigation of structural stability, elastic properties, electronic structure and ferrimagnetic behavior of Mn ₂ RhGe full-Heusler alloy. Journal of Alloys and Compounds, 2017, 722, 564-568.	2.8	14
22	The structural, electronic, elastic, vibration and thermodynamic properties of GdMg. Solid State Sciences, 2013, 16, 168-174.	1.5	12
23	Prediction of monoclinic single-layer Janus Ga ₂ Mn ₂ X (X = S, Se, Te) Tj ETCq1 1 0.784314 rgBT	1.0	11
24	Biaxial Strain-Induced Electronic Structure and Optical Properties of SiP ₂ Monolayer. Journal of Electronic Materials, 2021, 50, 6253-6260.	1.0	11
25	Boron Phosphide van der Waals p-n Junction via Molecular Adsorption. Physical Review Applied, 2019, 12, .	1.5	10
26	Theoretical characterization of induced ferromagnetism, half-metallic behavior, electronic properties in new Ti-doped BaO. Optical and Quantum Electronics, 2021, 53, 1.	1.5	7
27	Ab initio study of the structural, elastic, thermodynamic, electronic and vibration properties of TbMg intermetallic compound. Superlattices and Microstructures, 2014, 71, 46-61.	1.4	6
28	First-principles calculations of the mechanic and vibration properties of AgRE (RE = Ho, Er, Tm) intermetallic compounds under pressure. Physica Scripta, 2015, 90, 025701.	1.2	4
29	Semimetal behavior of bilayer stanene. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 89, 155-159.	1.3	4
30	Structural phase transition, electronic, elastic, and vibrational properties of LiAl intermetallic compound: insights from first-principles calculations. Canadian Journal of Physics, 2017, 95, 691-698.	0.4	4
31	Preparation and characterization of poly(2-hydroxyethyl methacrylate)/ Na-montmorillonite intercalated nanocomposites. Journal of Polymer Engineering, 2013, 33, 27-32.	0.6	3
32	Effect of pressure on structural, electronic, mechanical and optical properties of ruthenium diboride with oP12-type structure. Indian Journal of Physics, 2016, 90, 767-779.	0.9	3
33	Design of nanoscale capacitors based on metallic borophene and insulating boron nitride layers. Physical Review Materials, 2021, 5, .	0.9	1