# Yesim Mogulkoc

List of Publications by Year
in descending order



| 33 | 937 | 394286 19 | 454834 30 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 855 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An analysis of Schottky barrier in silicene/Ga<sub>2</sub>SeS heterostructures by employing electric field and strain. Physical Chemistry Chemical Physics, 2022, 24, 10210-10221. | 1.3 | 21 |
| 2 | 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 |
| 3 | 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 ETQq1 1 0.784314 rg | 1.1 | 12 |
| 4 | Biaxial Strain-Induced Electronic Structure and Optical Properties of SiP$$_{2}$$S Monolayer. Journal of Electronic Materials, 2021, 50, 6253-6260. | 1.0 | 11 |
| 5 | Band Alignment in Monolayer Boron Phosphide with Janus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mi>Mo</mml:mi><mml:mi mathvariant="normal">S</mml:mi><mml:mi>Se</mml:mi></mml:mrow></mml:math> Heterobilayers under Strain and Electric Field. Physical Review Applied, 2021, 16, . | 1.5 | 31 |
| 6 | Design of nanoscale capacitors based on metallic borophene and insulating boron nitride layers. Physical Review Materials, 2021, 5, . | 0.9 | 1 |
| 7 | 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 |
| 8 | 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:mi></mml:mi></mml:mrow></mml:math> | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Investigation of structural stability, elastic properties, electronic structure and ferrimagnetic behavior of Mn2RhGe full-Heusler alloy. Journal of Alloys and Compounds, 2017, 722, 564-568. | 2.8 | 14 |
| 20 | 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 |
| 21 | First principle and tight-binding study of strained SnC. Journal of Physics and Chemistry of Solids, 2017, 111, 458-463. | 1.9 | 23 |
| 22 | Investigation of electronic structure and half-metallic ferromagnetic behavior with large half-metallic gap in $$hbox {Sr}_{1-x}hbox {V}_{x}hbox {O}$$ Sr 1 - x. Journal of Computational Electronics, 2017, 16, 542-547. | 1.3 | 21 |
| 23 | Electronic and optical properties of bilayer blue phosphorus. Computational Materials Science, 2016, 124, 23-29. | 1.4 | 51 |
| 24 | 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 |
| 25 | Structural, electronic and magnetic properties of Fe2-based full Heusler alloys: A first principle study. Journal of Magnetism and Magnetic Materials, 2016, 407, 167-174. | 1.0 | 67 |
| 26 | Investigations of the Structural, Electronic, Magnetic, and Half-Metallic Behavior of Co2MnZ (Z = Al,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 809-817. | 0.8 | 41 |
| 27 | Polaronic effects in monolayer black phosphorus on polar substrates. Physical Review B, 2016, 93, . | 1.1 | 41 |
| 28 | Effect of external strain on electronic structure of stanene. Computational Materials Science, 2015, 101, 164-167. | 1.4 | 86 |
| 29 | 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 |
| 30 | First-principles investigations on ferromagnetic behaviour of Be1â^'xVxZ (ZÂ=ÂS, Se and Te) (xÂ=Â0.25). Superlattices and Microstructures, 2015, 88, 139-149. | 1.4 | 24 |
| 31 | 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 |
| 32 | The structural, electronic, elastic, vibration and thermodynamic properties of GdMg. Solid State Sciences, 2013, 16, 168-174. | 1.5 | 12 |
| 33 | Preparation and characterization of poly(2-hydroxyethyl methacrylate)/ Na-montmorillonite intercalated nanocomposites. Journal of Polymer Engineering, 2013, 33, 27-32. | 0.6 | 3 |