

Ilyas Bouziani

List of Publications by Year in descending order

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14
papers

282
citations

759055

12
h-index

1058333

14
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docs citations

14
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Cs ₂ InGaX ₆ (X=Cl, Br, or I): Emergent Inorganic Halide Double Perovskites with enhanced optoelectronic characteristics. <i>Current Applied Physics</i> , 2021, 21, 50-57.	1.1	48
2	Quantum Monte Carlo study of dynamic magnetic properties of nano-graphene. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 223-228.	1.0	35
3	Computational identification of efficient 2D Aluminium chalcogenides monolayers for optoelectronics and photocatalysts applications. <i>Applied Surface Science</i> , 2021, 556, 149561.	3.1	31
4	Structural, electronic and optical properties of two-dimensional Janus transition metal oxides MXO (M=Ti, Hf and Zr; X=S and Se) for photovoltaic and opto-electronic applications. <i>Physica B: Condensed Matter</i> , 2021, 604, 412621.	1.3	24
5	Janus Aluminum Oxsulfide Al ₂ OS: A promising 2D direct semiconductor photocatalyst with strong visible light harvesting. <i>Applied Surface Science</i> , 2022, 589, 152997.	3.1	21
6	Two-dimensional Janus Sn ₂ SSe and SnGeS ₂ semiconductors as strong absorber candidates for photovoltaic solar cells: First principles computations. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114900.	1.3	20
7	Half metallic ferromagnetic behavior in (Ga, Cr)N and (Ga, Cr, V)N compounds for spintronic technologies: Ab initio and Monte Carlo methods. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 220-225.	1.0	18
8	Ab initio study of electronic and optical properties of penta-SiC ₂ and -SiGeC ₄ monolayers for solar energy conversion. <i>Superlattices and Microstructures</i> , 2020, 142, 106524.	1.4	18
9	Electronic and optical properties of ZnO nanosheet doped and codoped with Be and/or Mg for ultraviolet optoelectronic technologies: density functional calculations. <i>Physica Scripta</i> , 2020, 95, 015804.	1.2	17
10	Magneto-electronic properties of GaN codoped with (V, Mn) impurities for spintronic devices: Ab-initio and Monte Carlo studies. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 512, 1249-1259.	1.2	15
11	Magneto-electronic properties of Vanadium impurities co-doped (Cd, Cr)Te compound for spintronic devices: First principles calculations and Monte Carlo simulation. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 420-429.	1.0	13
12	High Curie temperature in halfmetallic ferromagnets (Zn, Cr, Ti)Se and (Zn, Cr, Ti)Te for spintronic devices: Ab initio and Monte Carlo treatments. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 253, 114484.	1.7	12
13	Electronic, optical and thermoelectric properties of two-dimensional pentagonal SiGeC ₄ nanosheet for photovoltaic applications: First-principles calculations. <i>Superlattices and Microstructures</i> , 2021, 158, 107024.	1.4	9
14	Two-Dimensional Nanomaterials for Solar Cell Technology. <i>Studies in Systems, Decision and Control</i> , 2022, , 103-119.	0.8	1