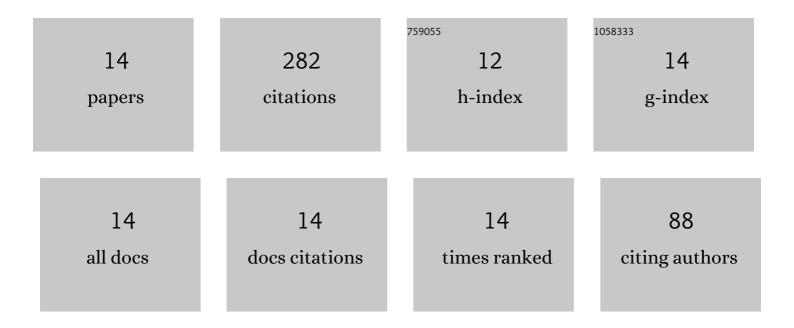
Ilyas Bouziani

List of Publications by Year in descending order

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Ιινλο Βοιιζιλη

#	Article	IF	CITATIONS
1	Cs2InGaX6 (X=Cl, Br, or I): Emergent Inorganic Halide Double Perovskites with enhanced optoelectronic characteristics. Current Applied Physics, 2021, 21, 50-57.	1.1	48
2	Quantum Monte Carlo study of dynamic magnetic properties of nano-graphene. Journal of Magnetism and Magnetic Materials, 2018, 460, 223-228.	1.0	35
3	Computational identification of efficient 2D Aluminium chalcogenides monolayers for optoelectronics and photocatalysts applications. Applied Surface Science, 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. Physica B: Condensed Matter, 2021, 604, 412621.	1.3	24
5	Janus Aluminum Oxysulfide Al2OS: A promising 2D direct semiconductor photocatalyst with strong visible light harvesting. Applied Surface Science, 2022, 589, 152997.	3.1	21
6	Two-dimensional Janus Sn2SSe and SnGeS2 semiconductors as strong absorber candidates for photovoltaic solar cells: First principles computations. Physica E: Low-Dimensional Systems and Nanostructures, 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. Journal of Magnetism and Magnetic Materials, 2019, 477, 220-225.	1.0	18
8	Ab initio study of electronic and optical properties of penta-SiC2 and -SiGeC4 monolayers for solar energy conversion. Superlattices and Microstructures, 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. Physica Scripta, 2020, 95, 015804.	1.2	17
10	Magnetoelectronic properties of GaN codoped with (V, Mn) impurities for spintronic devices: Ab-initio and Monte Carlo studies. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 1249-1259.	1.2	15
11	Magnetoelectronic properties of Vanadium impurities co-doped (Cd, Cr)Te compound for spintronic devices: First principles calculations and Monte Carlo simulation. Journal of Magnetism and Magnetic Materials, 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. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 253, 114484.	1.7	12
13	Electronic, optical and thermoelectric properties of two-dimensional pentagonal SiGeC4 nanosheet for photovoltaic applications: First-principles calculations. Superlattices and Microstructures, 2021, 158, 107024.	1.4	9
14	Two-Dimensional Nanomaterials for Solar Cell Technology. Studies in Systems, Decision and Control, 2022, , 103-119.	0.8	1