Nicolae M Avram

List of Publications by Year
in descending order

17	99	1478505 6	1372567 10
papers	citations	h-index	g-index

17	17	17	109
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-Principles Study of Optical Absorption Energies, Ligand Field and Spin-Hamiltonian Parameters of Cr³⁺ Ions in Emeralds. Inorganic Chemistry, 2022, 61, 178-192.	4.0	10
2	Absorption spectra, ligand field parameters and g factors of Cr³⁺ doped Î±-Al₂O₃ laser crystal: ab initio calculations. Physica Scripta, 2020, 95, 044005.	2.5	10
3	Rare earth pyrochlores crystals R2Ge2O7 (R=Er, Lu, Yb): Elastic and vibrational properties. AIP Conference Proceedings, 2020, , .	0.4	2
4	Morphology of the GdVO₄crystal: first-principles studies. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 749-756.	1.1	4
5	Ab initio analysis of the optical spectra and EPR parameters of Ni2+ ions in CaF2 and CdF2 crystals. Journal of Luminescence, 2019, 214, 116577.	3.1	6
6	DFT calculation of vibrational frequencies for betulinic acid methanol monosolvate. AIP Conference Proceedings, 2017, , .	0.4	0
7	The crystal structure of rare earth impurity centers R3+ in Y3Al5O12: Ab Initio calculations. AIP Conference Proceedings, 2017, , .	0.4	4
8	Energy levels scheme simulation of divalent cobalt doped bismuth germanate. AIP Conference Proceedings, 2015, , .	0.4	0
9	Preface: Physics Conference TIM - 12. , 2013, , .		0
10	Electronic and optical properties of ZnCr2Se4as explored by first principles and crystal field calculations. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2585-2588.	0.8	2
11	Characterization and optical properties of ZnGa2O4:Eu3+ nanophosphor grown by hydrothermal method. Journal of Alloys and Compounds, 2010, 500, 185-189.	5.5	36
12	Crystal Field Analyses of Co[sup 2+] Doped in MgF[sub 2] Crystal. , 2009, , .		1
13	Computational Study on Hemoglobin Protein Family. , 2009, , .		0
14	Numerical Calculations of the Overlap Integrals Between the Wave Functions of 3d Ions and Ligands. , 2009, , .		3
15	Ytterbium Clusters in Fluorite CaF[sub 2]. , 2009, , .		1
16	Comparative crystal field calculations of the Cr3+ energy level schemes in ZnAl2S4 and ZnGa2O4. Journal of Materials Science: Materials in Electronics, 2009, 20, 30-32.	2.2	14
17	Crystal field analysis of the ground and excited state absorption of a Cr4+ ion in LiAlO2 and LiGaO2 crystals. Open Physics, 2005, 3, .	1.7	6