Tsvetan K Zahariev

List of Publications by Year
in descending order

12 papers	118 citations	1478280 6 h-index	1281743 11 g-index
12 all docs	12 docs citations	12 times ranked	134 citing authors

#	Article	IF	Citations
1	Structural characterisation, Hirshfeld surfaces, DSC, periodic DFT modeling, vibrational and optical study of heptylenediammonium pentachlorobismuthate H3N(CH2)7NH3BiCl5. Journal of Solid State Chemistry, 2022, 306, 122805.	1.4	10
2	Effect of urea on arrangement of novel Mg(II) perrhenate crystal structures and their optical properties: Experimental and theoretical insight. Journal of Solid State Chemistry, 2022, 312, 123263.	1.4	2
3	Phenanthroline chromophore as efficient antenna for Tb3+ green luminescence: A theoretical study. Dyes and Pigments, 2021, 185, 108890.	2.0	18
4	Energy transfer mechanism in luminescence Eu(III) and Tb(III) complexes of coumarin-3-carboxylic acid: A theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118591.	2.0	12
5	Synthesis, X-ray structure, and DFT modeling of a new polymeric zinc(II) complex of 2-mercaptonicotinic acid (MntH), {[Zn(Mntâ€“Mnt)(en)]î‡H2O}n. Monatshefte FÃ¼r Chemie, 2019, 150, 219-231.	0.9	3
6	X-ray structures, solid state periodic DFT modeling and vibrational study of alkylenediammonium hexachlorostannates compounds NH3(CH2)nNH3SnCl6 (nÂ= 3, 4, 5). Journal of Molecular Structure, 2019, 1177, 55-67.	1.8	5
7	Synthesis, crystal structure and DFT studies of a novel dinuclear copper(I) complex with triphenylphosphine and 2-mercaptonicotinic acid. Journal of Molecular Structure, 2018, 1153, 179-186.	1.8	3
8	Theoretical insight in highly luminescent properties of Eu(III) complex with phenanthroline. Journal of Luminescence, 2018, 202, 192-205.	1.5	28
9	Solid state DFT modeling and vibrational characterisation of butylenediammonium and hexylenediammonium hexafluorosilicate, NH3(CH2)nNH3SiF6 (n=4 and 6). Vibrational Spectroscopy, 2017, 88, 83-93.	1.2	11
10	Transfer of non-ionic surfactants across the water-oil interface: A molecular dynamics study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 506, 20-31.	2.3	17
11	Fully atomistic molecularâ€mechanical model of liquid alkane oils: Computational validation. Journal of Computational Chemistry, 2014, 35, 776-788.	1.5	6
12	Structure and aggregation proclivity of C12E3 in aqueous solution. Chemical Physics, 2013, 410, 1-8.	0.9	3