Vasyl Sidey

List of Publications by Year
in descending order

65	776	516710 16	580821 25
papers	citations	h-index	g-index

66	66	66	838
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural identification and stabilization of the new high-temperature phases in A(III)â€“B(VI) systems (AÂ=ÂGa, In, BÂ=ÂS, Se). Part 1: High-temperature phases in the Gaâ€“S system. Journal of Alloys and Compounds, 2022, 899, 163264.	5.5	1
2	Effect of halide/pseudohalide anions on the association and semimicroextraction of substituted chloroaurates with a symmetric carbocyanine dye: A complex study and analytical application. Journal of Molecular Liquids, 2022, 356, 119037.	4.9	0
3	Predicting the end point potential break values: A case of potentiometric titration of lipophilic anions with cetylpyridinium chloride. Microchemical Journal, 2021, 160, 105758.	4.5	10
4	A DFT study of fulvic acid binding with bivalent metals: Cd, Cu, Mg, Ni, Pb, Zn. Journal of Molecular Graphics and Modelling, 2021, 102, 107800.	2.4	18
5	Phonon Spectra of CU7GeSe5I and Ag7GeSe5I Crystals. , 2021, , .		0
6	Quantum chemical insight on the uranyl benzoates association with cetylpyridinium. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 661-670.	1.5	2
7	REGULARITIES OF CHANGES AND PREDICTION OF MELTING POINTS AND THERMOELECTRIC FIGURE OF MERIT FOR THE COMPOUNDS Tl4BIVC3 AND Tl9BVC6 (BIV â€“ Si, Ge, Sn, Pb; BV â€“ P, As, Sb, Bi; C â€“ S, Se, Te). Scientific Bulletin of the Uzhhorod University Series Â«ChemistryÂ», 2021, 45, .	0.1	0
8	TESTING OF THE OPTIMUM BASIS SET FOR MODELING THE HEXABROMOTELURATE ANION. Scientific Bulletin of the Uzhhorod University Series Â«ChemistryÂ», 2021, 45, .	0.1	0
9	THEORETICAL INVESTIGATION OF CHARGE TRASFER EFFECT IN 3-METHYLTHIO-4-PHENYL-5-PHENYLAMINO-1,2,4-TRIAZOL-1-IUM HEXABROMOTELLURATE. Scientific Bulletin of the Uzhhorod University Series Â«ChemistryÂ», 2021, 45, .	0.1	0
10	XRD, NMR, FT-IR and DFT structural characterization of a novel organic-inorganic hybrid perovskite-type hexabromotellurate material. Journal of Molecular Structure, 2021, 1235, 130227.	3.6	11
11	Estimation of ground and excited-state dipole moments of three symmetric carbocyanine dyes via the analysis of luminescence properties. Journal of Molecular Liquids, 2021, 337, 116476.	4.9	5
12	On the protonation of a polysubstituted 1,2,4-triazole: A structural study of a hexabromotellurate salt. Journal of Molecular Structure, 2021, 1241, 130632.	3.6	8
13	Palladium determination with a new dye PNBTAN: Structural, UV-VIS, and DFT study. Journal of Molecular Structure, 2021, 1246, 131150.	3.6	4
14	REGULARITIES OF PHYSICO-CHEMICAL INTERACTION IN THE QUASIBINARY SYSTEMS BASED ON THE TERNARY HALIDES Rb3(Cs3)Sb2(Bi2)Br9(I9) AND K2(Rb2,Cs2,Tl2)TeBr6(I6): EXPLANATION WITHIN THE FRAMEWORK OF THE BOND VALENCE MODEL. Scientific Bulletin of the Uzhhorod University Series Â«ChemistryÂ», 2021, 46, 16-21.	0.1	0
15	An empirical model for predicting the cell parameters of the high symmetry argyrodites. Journal of Solid State Chemistry, 2020, 292, 121713.	2.9	2
16	Spectroscopic and computational study of a new thiazolylazonaphthol dye 1-[(5-(3-nitrobenzyl)-1,3-thiazol-2-yl)diazenyl]naphthalen-2-ol. Journal of Molecular Liquids, 2020, 304, 112713.	4.9	16
17	The copper argyrodites Cu7-PS6-Br : Crystal growth, structures and ionic conductivity. Solid State Ionics, 2019, 341, 115023.	2.7	12
18	A simplified empirical model for predicting the lattice parameters of the cubic/pseudocubic perovskites. Journal of Solid State Chemistry, 2019, 279, 120951.	2.9	11

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19	Experimental and theoretical study on cetylpyridinium dipicrylamide â€“ A promising ion-exchanger for cetylpyridinium selective electrodes. Journal of Molecular Structure, 2019, 1187, 77-85.	3.6	28
20	A simplified empirical model for predicting the lattice parameters for the cubic perovskite-related inorganic A2BX6 halides. Journal of Physics and Chemistry of Solids, 2019, 126, 310-313.	4.0	25
21	Ð'Ñ‹ÑÐ¾ÐºÐ¾Ñ‚ÐµÐ¼Ð¿ÐµÑ€Ð°Ñ‚ÑƒÑ€Ð½Ð°Ñ•ÐºÐ°ÑƒÑ‡Ð½Ð°Ñ•Ð¾Ð±Ñ‰ÐµÑ•Ñ‚Ð²Ð¾	3.3	0
22	Structural and spectrophotometric characterization of 2-[4-(dimethylamino)styryl]-1-ethylquinolinium iodide as a reagent for sequential injection determination of tungsten. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 398-405.	3.9	19
23	Benchmark of different charges for prediction of the partitioning coefficient through the hydrophilic/lipophilic index. Journal of Molecular Modeling, 2018, 24, 141.	1.8	18
24	Model research of phonon spectra of argyrodites family. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2018, 21, 134-138.	1.0	4
25	Structural and electrical properties of argyrodite-type Cu7PS6 crystals. Lithuanian Journal of Physics, 2018, 57, .	0.4	4
26	Predicting the lattice parameters for the A ^I A ^{II} B ^{II} ₂F₇ disordered cubic fluoride pyrochlores. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 729-731.	0.8	5
27	Spectrophotometric and theoretical studies of the protonation of Allura Red AC and Ponceau 4R. Journal of Molecular Structure, 2017, 1144, 216-224.	3.6	47
28	Revised bond valence parameters for the P +5 /S â€“2 ion pair. Journal of Physics and Chemistry of Solids, 2017, 103, 73-75.	4.0	7
29	On the structure of transition metals complexes with the new tridentate dye of thiazole series: Theoretical and experimental studies. Journal of Molecular Structure, 2017, 1149, 669-682.	3.6	33
30	On the effective ionic radii for ammonium. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 626-633.	1.1	91
31	Predicting the structures of the ideal ternary oxide pyrochlores: The bond valence model and distance least squares. Journal of Alloys and Compounds, 2016, 660, 433-436.	5.5	12
32	The extended variant of the bond valenceâ€“bond length correlation curve for boron(III)â€“oxygen bonds. Zeitschrift Fur Kristallographie - Crystalline Materials, 2015, 230, 495-498.	0.8	1
33	An alternative empirical model for the relationship between the bond valence and the thermal expansion rate of chemical bonds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 484-487.	1.1	3
34	Physicochemical interaction in the Cs3Sb2Br9-Cs2TeBr6 system: The phase diagram and the nature of the interaction of components. Russian Journal of Inorganic Chemistry, 2015, 60, 225-229.	1.3	2
35	Influence of the average atomic number of the A2TeC6 and A3B2C9 (A = K, Rb, Cs, Tl(I); B = Sb, Bi; C = Br, I) compounds on their melting point and band gap. Inorganic Materials, 2014, 50, 101-106.	0.8	17
36	Universal `bond valenceversusbond length' correlation curve for manganeseâ€“oxygen bonds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 608-611.	1.1	3

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37	X-ray induced optical absorption in Li2B4O7 and Li2B4O7:Cu single crystals and glasses. Physica B: Condensed Matter, 2014, 450, 34-38.	2.7	6
38	Bond valence parameters for Mn+mâ€“O (5 â‰ m â‰ 7) bonds. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.8	1
39	Li2Se-As2Se3 pseudobinary join in the Li-As-Se system and properties of LiAsSe2. Inorganic Materials, 2013, 49, 235-238.	0.8	0
40	Phase transformations of indium mono- and sesquisulfides studied by a novel static thermal analysis technique. Inorganic Materials, 2013, 49, 555-563.	0.8	3
41	On the shortest BIIIâ€”O bonds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 86-89.	1.1	4
42	On the shortest B^{III}â€”O bonds. Acta Crystallographica Section B: Structural Science, 2013, 69, 86-89.	1.8	1
43	Exact solution of the bond-valence sum rule for a set of coordination shells. Acta Crystallographica Section B: Structural Science, 2012, 68, 318-320.	1.8	1
44	K2(Rb2,Cs2,Tl2)TeBr6(I6) and Rb3(Cs3)Sb2(Bi2)Br9(I9) perovskite compounds. Inorganic Materials, 2011, 47, 208-212.	0.8	46
45	Composition control of low-volatile solids through chemical vapor transport reactions. III. The example of gallium monoselenide: Control of the polytypic structure, non-stoichiometry and properties. Thermochimica Acta, 2011, 527, 118-118.	2.7	4
46	A simplified empirical model for approximation of the `bond valenceâ€“bond length' correlation for Hâ€”O bonds. Acta Crystallographica Section B: Structural Science, 2011, 67, 263-265.	1.8	7
47	On the accurate bond-valence parameters for the Sb³⁺/O^{2â^'}ion pair. Acta Crystallographica Section B: Structural Science, 2010, 66, 307-314.	1.8	18
48	X-ray Rietveld structure refinement of Sb3O6.5. Journal of Alloys and Compounds, 2010, 490, 598-601.	5.5	8
49	Alternative presentation of the Brownâ€“Wu bond-valence parameters for some s 2 cation/O2â^' ion pairs. Acta Crystallographica Section B: Structural Science, 2009, 65, 99-101.	1.8	16
50	Formation of ternary compounds in the Tl2Se-GeSe2 system. Inorganic Materials, 2009, 45, 1092-1096.	0.8	1
51	Systems based on A2TeC6 (A = K, Rb, Cs, and Tl(I); C = Br and I) compounds with peritectic interactions. Russian Journal of Inorganic Chemistry, 2009, 54, 315-318.	1.3	2
52	On the correlations between the polyhedron eccentricity parameters and the bond-valence sums for the cations with one lone electron pair. Acta Crystallographica Section B: Structural Science, 2008, 64, 515-518.	1.8	14
53	X-ray powder diffraction studies and bond-valence analysis of Hg2Sb2O7. Journal of Alloys and Compounds, 2008, 457, 480-484.	5.5	24
54	Influence of reducing annealing on the luminescent properties of Li2B4O7:Cu single crystals. Journal of Luminescence, 2007, 126, 408-412.	3.1	25

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55	Selective chemical vapor transport as a means of varying the composition of nonstoichiometric indium sulfides. Inorganic Materials, 2007, 43, 1167-1178.	0.8	1
56	Optical phonons in PbGa2S4 crystals. Physics of the Solid State, 2007, 49, 351-355.	0.6	6
57	Influence of different annealing conditions on the luminescent properties of Li2B4O7:Mn single crystals. Journal of Physics and Chemistry of Solids, 2007, 68, 1305-1310.	4.0	18
58	T-x phase diagram of the In-S system. Inorganic Materials, 2006, 42, 1294-1298.	0.8	26
59	Accurate bond-valence parameters for the Bi3+/Brâˆ’ ion pair. Acta Crystallographica Section B: Structural Science, 2006, 62, 949-951.	1.8	16
60	Phase relations in the systems A2TeI6-Tl2TeI6 (A = K, Rb, Cs) and A2TeBr6-A2TeI6 (A = K, Rb, Cs, Tl(I)). Inorganic Materials, 2005, 41, 298-302.	0.8	14
61	Optical phonons in Rb2TeBr6 and Cs2TeBr6 crystals. Physics of the Solid State, 2004, 46, 1024-1026.	0.6	9
62	A simplified correction function for the effect of surface roughness in X-ray powder diffraction. Journal of Applied Crystallography, 2004, 37, 1013-1014.	4.5	8
63	X-ray powder diffraction studies of Tl2TeBr6 and Tl2TeI6. Journal of Alloys and Compounds, 2004, 367, 115-120.	5.5	12
64	Preparation, Stability Regions, and Properties of M2TeI6 (M = Rb, Cs, Tl) Crystals. Inorganic Materials, 2002, 38, 859-863.	0.8	24
65	Crystal growth and X-ray structure determination of Rb3Bi2I9. Journal of Alloys and Compounds, 2000, 296, 53-58.	5.5	31