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	On the effective ionic radii for ammonium. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 626-633.	1.1	91
2	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
3	K2(Rb2,Cs2,Tl2)TeBr6(I6) and Rb3(Cs3)Sb2(Bi2)Br9(I9) perovskite compounds. Inorganic Materials, 2011, 47, 208-212.	0.8	46
4	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
5	Crystal growth and X-ray structure determination of Rb3Bi2I9. Journal of Alloys and Compounds, 2000, 296, 53-58.	5.5	31
6	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
7	T-x phase diagram of the In-S system. Inorganic Materials, 2006, 42, 1294-1298.	0.8	26
8	Influence of reducing annealing on the luminescent properties of Li2B4O7:Cu single crystals. Journal of Luminescence, 2007, 126, 408-412.	3.1	25
9	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
10	Preparation, Stability Regions, and Properties of M2TeI6 (M = Rb, Cs, Tl) Crystals. Inorganic Materials, 2002, 38, 859-863.	0.8	24
11	X-ray powder diffraction studies and bond-valence analysis of Hg2Sb2O7. Journal of Alloys and Compounds, 2008, 457, 480-484.	5.5	24
12	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
13	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
14	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
15	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
16	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
17	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
18	Accurate bond-valence parameters for the Bi3+/Brâ^' ion pair. Acta Crystallographica Section B: Structural Science, 2006, 62, 949-951.	1.8	16

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19	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
20	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
21	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
22	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
23	X-ray powder diffraction studies of Tl2TeBr6 and Tl2TeI6. Journal of Alloys and Compounds, 2004, 367, 115-120.	5.5	12
24	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
25	The copper argyrodites Cu7-PS6-Br : Crystal growth, structures and ionic conductivity. Solid State Ionics, 2019, 341, 115023.	2.7	12
26	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
27	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
28	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
29	Optical phonons in Rb2TeBr6 and Cs2TeBr6 crystals. Physics of the Solid State, 2004, 46, 1024-1026.	0.6	9
30	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
31	X-ray Rietveld structure refinement of Sb3O6.5. Journal of Alloys and Compounds, 2010, 490, 598-601.	5.5	8
32	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
33	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
34	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
35	Optical phonons in PbGa2S4 crystals. Physics of the Solid State, 2007, 49, 351-355.	0.6	6
36	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

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37	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
38	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
39	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
40	On the shortest BIIIâ€"O bonds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 86-89.	1.1	4
41	Palladium determination with a new dye PNBTAN: Structural, UV-VIS, and DFT study. Journal of Molecular Structure, 2021, 1246, 131150.	3.6	4
42	Model research of phonon spectra of argyrodites family. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2018, 21, 134-138.	1.0	4
43	Structural and electrical properties of argyrodite-type Cu7PS6 crystals. Lithuanian Journal of Physics, 2018, 57, .	0.4	4
44	Phase transformations of indium mono- and sesquisulfides studied by a novel static thermal analysis technique. Inorganic Materials, 2013, 49, 555-563.	0.8	3
45	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
46	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
47	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
48	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
49	An empirical model for predicting the cell parameters of the high symmetry argyrodites. Journal of Solid State Chemistry, 2020, 292, 121713.	2.9	2
50	Quantum chemical insight on the uranyl benzoates association with cetylpyridinium. Journal of Radioanalytical and Nuclear Chemistry, 2021, 329, 661-670.	1.5	2
51	Selective chemical vapor transport as a means of varying the composition of nonstoichiometric indium sulfides. Inorganic Materials, 2007, 43, 1167-1178.	0.8	1
52	Formation of ternary compounds in the Tl2Se-GeSe2 system. Inorganic Materials, 2009, 45, 1092-1096.	0.8	1
53	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
54	Bond valence parameters for Mn+mâ€"O (5 â‰ m â‰ 7) bonds. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.8	1

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55	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
56	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
57	On the shortest B^{III}â€”O bonds. Acta Crystallographica Section B: Structural Science, 2013, 69, 86-89.	1.8	1
58	Li2Se-As2Se3 pseudobinary join in the Li-As-Se system and properties of LiAsSe2. Inorganic Materials, 2013, 49, 235-238.	0.8	0
59	Phonon Spectra of CU7GeSe5I and Ag7GeSe5I Crystals. , 2021, , .		0
60	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
61	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
62	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
63	Ð'Ñ‹ÑÐ¾ÐºÐ¾Ñ‚ÐµÐ¼Ð¿ÐµÑ€Ð°Ñ‚ÑƒÑ€Ð½Ð°Ñ•ÐºÑƒÐ±Ð¸Ñ‡ÐµÑÐºÐ°Ñ•Ð¼Ð¾Ð´Ð¸Ñ„Ð¸ÐºÐ°Ñ†Ð¸Ñ•Ñ‚Ð¸Ñ•ÐÑƒÐ»ÑŒÑ„Ð¸Ð´Ð°		0
64	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
65	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