

Delyana M Marinova

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	From krÅŕhnikite- to alluaudite-type of structure: novel method of synthesis of sodium manganese sulfates with electrochemical properties in alkali-metal ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22287-22299.	10.3	42
2	Vibrational behavior of matrix-isolated ions in Tutton compounds. I. Infrared spectroscopic study of NH ₄ ⁺ and SO ₄ ²⁻ ions included in magnesium sulfates and selenates. <i>Journal of Molecular Structure</i> , 2009, 929, 67-72.	3.6	26
3	Infrared study of the vibrational behavior of SO ₄ ²⁻ guest ions matrix-isolated in metal (II) chromates (Me=Ca, Sr, Ba). <i>Vibrational Spectroscopy</i> , 2005, 39, 46-49.	2.2	22
4	Vibrational behavior of matrix-isolated ions in Tutton compounds. II. Infrared spectroscopic study of and ions included in copper sulfates and selenates. <i>Journal of Molecular Structure</i> , 2009, 938, 179-184.	3.6	22
5	Infrared study of the vibrational behavior of CrO ₄ ²⁻ guest ions matrix-isolated in metal (II) sulfates (Me=Ca, Sr, Ba, Pb). <i>Journal of Molecular Structure</i> , 2005, 738, 211-215.	3.6	20
6	Vibrational behavior of matrix-isolated ions in Tutton compounds. III: Infrared spectroscopic study of NH ₄ ⁺ and SO ₄ ²⁻ ions included in cobalt sulfates and selenates. <i>Vibrational Spectroscopy</i> , 2010, 53, 233-238.	2.2	16
7	Vibrational spectra of Cs ₂ Cu(SO ₄) ₂ ·6H ₂ O and Cs ₂ Cu(SeO ₄) ₂ ·nH ₂ O (n=4, 6) with a crystal structure determination of the Tutton salt Cs ₂ Cu(SeO ₄) ₂ ·6H ₂ O. <i>Journal of Molecular Structure</i> , 2016, 1106, 440-451.	3.6	15
8	Mixed sodium nickel-manganese sulfates: Crystal structure relationships between hydrates and anhydrous salts. <i>Journal of Solid State Chemistry</i> , 2017, 250, 49-59.	2.9	14
9	Selective sodium intercalation into sodium nickel-manganese sulfate for dual Na-Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12755-12766.	2.8	14
10	Vibrational behavior of ions included in K ₂ Zn(CrO ₄) ₂ ·2H ₂ O and crystal structure of K ₂ Zn(CrO ₄) ₂ ·2H ₂ O: A new structure type containing krÅŕhnikite-type chains. <i>Journal of Molecular Structure</i> , 2008, 892, 239-245.	3.6	12
11	Infrared spectroscopic study of SO ₄ ²⁻ ions included in M ²⁺ (SeO ₄) ₂ ·...6H ₂ O (Me ²⁺ =K, NH ₄ ⁺ ; M ²⁺ =Mg, Co, Ni) - Part A: <i>Molecular and Biomolecular Spectroscopy</i> , 2015, 134, 526-534.	3.9	12
12	Redox properties of alluaudite sodium cobalt manganese sulfates as high-voltage electrodes for rechargeable batteries. <i>Chemical Communications</i> , 2018, 54, 5466-5469.	4.1	12
13	Vibrational behavior of matrix-isolated ions in Tutton compounds IV. Infrared spectroscopic study of NH ₄ ⁺ and SO ₄ ²⁻ ions included in nickel sulfates and selenates. <i>Crystal Research and Technology</i> , 2010, 45, 637-642.	1.3	11
14	Infrared spectroscopic study of ions included in K ₂ Me(CrO ₄) ₂ ·2H ₂ O (Me=Mg, Cd) and crystal structure of K ₂ Cd(CrO ₄) ₂ ·2H ₂ O. <i>Journal of Molecular Structure</i> , 2008, 889, 12-19.	3.6	9
15	Preparation, crystal structure and infrared spectroscopy of the new compound Rb ₄ Be(SeO ₄) ₂ (HSeO ₄) ₂ ·4H ₂ O. <i>Solid State Sciences</i> , 2010, 12, 899-905.	3.2	9
16	Vibrational behavior of matrix-isolated ions in Tutton compounds. V. Infrared spectroscopic study of NH ₄ ⁺ and SO ₄ ²⁻ ions included in zinc sulfates and selenates. <i>Solid State Sciences</i> , 2010, 12, 765-769.	3.2	9
17	Comparative study on energetic distortions of SO ₄ ²⁻ ions matrix-isolated in compounds with krÅŕhnikite-type chains, K ₂ Me(CrO ₄) ₂ ·2H ₂ O and Na ₂ Me(SeO ₄) ₂ ·2H ₂ O (Me=Mg, Co, Ni, Zn, Cd). <i>Solid State Sciences</i> , 2009, 11, 2044-2050.	3.2	8
18	Nitric oxide (NO) decomposition on catalysts, containing oxides of lanthanum and cerium, supported on Î³-alumina. <i>Journal of Rare Earths</i> , 2019, 37, 151-159.	4.8	7

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19	Comparison of the Properties of Ni ²⁺ /Mn Hydroxides/Oxides with Ni ²⁺ /Mn Phosphates for the Purpose of Hybrid Supercapacitors. <i>Batteries</i> , 2022, 8, 51.	4.5	7
20	Thermal dehydration of the double salts K ₂ Be(XO ₄) ₂ ·2H ₂ O (X = S, Se). <i>Crystal Research and Technology</i> , 2007, 42, 54-58.	1.3	6
21	Cation distribution in Mg _x Zn _{1-x} (HCOO) ₂ ·2H ₂ O mixed crystals. <i>Vibrational Spectroscopy</i> , 2007, 43, 387-394.	2.2	6
22	Vibrational behavior of guest ions included in K ₂ Me(CrO ₄) ₂ ·2H ₂ O (Me=Co, Ni) and crystal structures of K ₂ Me(CrO ₄) ₂ ·2H ₂ O (Me=Co, Ni). <i>Journal of Molecular Structure</i> , 2009, 920, 289-296.	3.6	6
23	Hydrogen bond strength in chromates with kröhnkite-type chains, K ₂ Me(CrO ₄) ₂ ·2H ₂ O (Me=Mg, Co, Ni). <i>Tj ETQ</i> 1, 1 0.784314 rgB	2.2	6
24	Cation distribution in Mg _x Mn _{1-x} (HCOO) ₂ ·2H ₂ O mixed crystals. X-ray diffraction and double matrix infrared spectroscopy. <i>Journal of Molecular Structure</i> , 2007, 842, 67-74.	3.6	4
25	On the formation of solid solutions with blödite- and kröhnkite-type structures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1925-1937.	3.6	3
26	Synthesis, structure and properties of blödite-type solid solutions, Na ₂ Co _{1-x} Cu _x (SO ₄) ₂ ·4H ₂ O (0 ≤ x < 1) (x = 0.18), and crystal structure of synthetic kröhnkite, Na ₂ Cu(SO ₄) ₂ ·2H ₂ O. <i>Physics and Chemistry of Minerals</i> , 2018, 45, 801-817.	3.6	3
27	Thermodynamics of the double sulfates Na ₂ M ₂ (SO ₄) ₂ ·nH ₂ O (M = Mg, Mn, Co, Ni, Cu, Zn, n = 2 or 4) of the blödite-kröhnkite family. <i>RSC Advances</i> , 2021, 11, 374-379.	3.6	3
28	Crystal and molecular structure of ammonium beryllium sulfate dihydrate, (NH ₄) ₂ Be(SO ₄) ₂ ·2H ₂ O. <i>Journal of Molecular Structure</i> , 2012, 1022, 117-124.	3.6	1
29	Ammonium beryllium selenate dihydrate, (NH ₄) ₂ Be(SeO ₄) ₂ ·2H ₂ O: Preparation, X-ray powder diffraction, and vibrational spectra. <i>Vibrational Spectroscopy</i> , 2013, 64, 39-43.	2.2	1