

# RafaÅ, Janicki

## List of Publications by Year in descending order

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29  
papers

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citations

623734

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docs citations

29  
times ranked

777  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carboxylates of rare earth elements. <i>Coordination Chemistry Reviews</i> , 2017, 340, 98-133.	18.8	89
2	From structural properties of the Eu(III) complex with ethylenediaminetetra(methylenephosphonic acid) (H8EDTMP) towards biomedical applications. <i>Dalton Transactions</i> , 2006, , 4702.	3.3	54
3	Ferroelectricity in bis(ethylammonium) pentachlorobismuthate( $\text{Eu}^{3+}$ ): synthesis, structure, polar and spectroscopic properties. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1281-1286.	6.0	36
4	Lanthanide Carbonates. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3601-3616.	2.0	34
5	Relationships Between Structure and Spectroscopic Properties of $\text{Nd}^{3+}$ EthyleneDiaminetetramethylenephosphonates and Ethylenediaminetetraacetates. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3429-3438.	2.0	28
6	Coordination ability of trans-cyclohexane-1,2-diamine- $\text{N,N,N}^{\prime},\text{N}^{\prime}$ -tetraakis(methylenephosphonic acid) towards lanthanide(III) ions. <i>Dalton Transactions</i> , 2006, , 4384-4394.	3.3	26
7	Structural and thermodynamic aspects of hydration of $\text{Gd}(\text{III})$ systems. <i>Dalton Transactions</i> , 2019, 48, 3380-3391.	3.3	25
8	Complexes of $\text{Yb}^{3+}$ with EDTA and CDTA – Molecular and Electronic Structure. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3075-3082.	2.0	24
9	A new approach to determination of hydration equilibria constants for the case of $[\text{Er}(\text{EDTA})(\text{H}_2\text{O})_n]^{3+}$ complexes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26823-26831.	2.8	22
10	Enormous lattice distortion through an isomorphous phase transition in an organic-inorganic hybrid based on haloantimonate( $\text{III}$ ). <i>CrystEngComm</i> , 2016, 18, 6184-6194.	2.6	22
11	Dielectric-Optical Switches: Photoluminescent, EPR, and Magnetic Studies on Organic-Inorganic Hybrid (azetidinium) $_2\text{MnBr}_4$ . <i>Inorganic Chemistry</i> , 2022, 61, 5626-5636.	4.0	20
12	Self-Assembled Lanthanide Salicylaldimines with a Unique Coordination Mode. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2193-2200.	2.0	19
13	The first example of ab initio calculations of f-f transitions for the case of $[\text{Eu}(\text{DOTP})]5\text{H}_2\text{O}$ complex – experiment versus theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27808-27817.	2.8	19
14	Charge density distribution in aminomethylphosphonic acid. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 559-567.	1.8	18
15	Structural and spectroscopic investigations of europium(III) entrapped by the ethylenediaminetetra(methylenephosphonate) ligand in $\text{K}_2\text{H}_8[\text{Eu}_4(\text{EDTMP})_4]\cdot 45\text{H}_2\text{O}$ crystal. <i>Polyhedron</i> , 2008, 27, 1942-1946.	2.2	14
16	Unusual Coordination Behaviour of a Phosphonate- and Pyridine-Containing Ligand in a Stable Lanthanide Complex. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1696-1702.	2.0	14
17	A New Complex of Europium(III) with edta - Structure and Spectroscopy. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2475-2477.	1.2	13
18	Thermodynamics of the hydration equilibrium derived from the luminescence spectra of the solid state for the case of the $\text{Eu}^{3+}$ -EDTA system. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29558-29565.	2.8	12

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19	Relations between structure and physicooptical properties of Eu <sup>3+</sup> and Tb <sup>3+</sup> tetrakisphosphonates. <i>Optical Materials</i> , 2013, 36, 259-264.	3.6	11
20	Unraveling the Ground State and Excited State Structures and Dynamics of Hydrated Ce <sup>3+</sup> Ions by Experiment and Theory. <i>Inorganic Chemistry</i> , 2018, 57, 10111-10121.	4.0	11
21	Eu(III) and Cm(III) tetracarboxylates in the quest for the limiting species in solution. <i>Dalton Transactions</i> , 2018, 47, 2393-2405.	3.3	10
22	Phase transition tuning by Fe(III)/Co(III) substitution in switchable cyano-bridged perovskites: (C <sub>3</sub> H <sub>5</sub> N <sub>2</sub> ) <sub>2</sub> [KFe <sub>x</sub> Co <sub>1-x</sub> (CN) <sub>8</sub> ]. <i>Dalton Transactions</i> , 2020, 49, 5503-5512.		8
23	Stoichiometry of lanthanide(III) complexes with tripodal aminophosphonic ligands – a new solution to an old problem. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1200-1210.	6.0	7
24	Structural and thermodynamic aspects of water-carbonate exchange equilibrium for M <sup>III/IV</sup> –EDTA–carbonate systems. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 153-163.	6.0	7
25	Structural and spectroscopic investigations of the Eu(III)–CDTA system. <i>Polyhedron</i> , 2007, 26, 845-850.	2.2	6
26	Synthesis, crystal structure and spectral properties of diammonium dihydrogen N-(methylene-2-pyridine)-N,N-di-(methylenephosphonate). <i>Journal of Molecular Structure</i> , 2013, 1036, 35-41.	3.6	4
27	Experimental and <i>ab initio</i> Study on the Intensities of <i>f</i> – <i>f</i> Transitions for the Molecular Eu(III)–DOTP System. <i>ChemistrySelect</i> , 2019, 4, 1394-1402.	1.5	3
28	The <i>ab initio</i> and experimental study of the spectroscopic and magnetic properties of Ho(III)-EDTA. <i>Polyhedron</i> , 2022, 222, 115851.	2.2	1
29	Analysis of charge density in nonaqua gadolinium(III) trifluoromethanesulfonate – insight into Gd <sup>III</sup> –OH <sub>2</sub> bonding. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 572-580.	1.1	0