

# Diana Rabadjeva

## List of Publications by Year in descending order

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37  
papers

354  
citations

840776

11  
h-index

839539

18  
g-index

38  
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38  
docs citations

38  
times ranked

404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the reaction medium modification on the chemical and phase composition and morphological characteristics of biomimetically synthesized calcium phosphate ceramic powders. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
2	Biocompatible calcium phosphate-based ceramics and composites. <i>Materials Today: Proceedings</i> , 2022, 61, 1217-1225.	1.8	8
3	Modelling of chemical species of Al, Mn, Zn, and Pb in river body waters of industrial areas of West Rhodope Mountain, Bulgaria. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 430.	2.7	2
4	Trace metals accumulation in the eco-system water " soil " vegetation ( <i>Agropyron cristatum</i> ) " common voles ( <i>Microtus arvalis</i> ) " parasites ( <i>Hymenolepis diminuta</i> ) in Radnevo region, Bulgaria. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 66, 126750.	3.0	1
5	Dynamics of trace metals in the system water " soil " plant " wild rats " tapeworms ( <i>Hymenolepis</i> ) Tj ETQq1 1 0.784314 rgB 126440.	3.0	6
6	Precipitation and phase transformation of dicalcium phosphate dihydrate in electrolyte solutions of simulated body fluids: Thermodynamic modeling and kinetic studies. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 1607-1616.	4.0	13
7	Moisture-mediated mechanism of the decomposition of $\text{Na}_2\text{SO}_4 \cdot 7\text{H}_2\text{O}$ and $\text{Na}_2\text{SeO}_4 \cdot 7.5\text{H}_2\text{O}$ . <i>Journal of Solid State Chemistry</i> , 2019, 279, 120934.	2.9	1
8	Solid phases in the systems glycine"ZnX <sub>2</sub> "H <sub>2</sub> O (X=Cl <sup>-</sup> , Br <sup>-</sup> , I <sup>-</sup> ) at 25°C. <i>Monatshefte für Chemie</i> , 2018, 149, 299-311.	1.8	1
9	Trace metals pollution of waters and soils in Kardjali region, Bulgaria. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 383.	2.7	2
10	Preparation and characterization of silicagel from silicate solution obtained by autoclave treatment of copper slag. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 87, 331-339.	2.4	6
11	Technological scheme for copper slag processing. <i>International Journal of Mineral Processing</i> , 2017, 158, 1-7.	2.6	20
12	Chemical Equilibria Modeling of Calcium Phosphate Precipitation and Transformation in Simulated Physiological Solutions. <i>Journal of Solution Chemistry</i> , 2016, 45, 1620-1633.	1.2	8
13	New zinc-glycine-iodide complexes as a product of equilibrium and non-equilibrium crystallization in the Gly " ZnI <sub>2</sub> " H <sub>2</sub> O system. <i>Journal of Molecular Structure</i> , 2016, 1120, 42-49.	3.6	9
14	On the crystallization kinetics of highly soluble salts. <i>Pure and Applied Chemistry</i> , 2015, 87, 445-451.	1.9	4
15	Simulation of stable and metastable sea-type carbonate systems for optimization of $\text{MgCO}_3 \cdot 3\text{H}_2\text{O}$ precipitation from waste sea brines. <i>Desalination</i> , 2014, 348, 66-73.	8.2	9
16	Chemical speciation in fresh, saline and hyper-saline waters. <i>Pure and Applied Chemistry</i> , 2014, 86, 1097-1104.	1.9	2
17	Kinetics of copper slag oxidation under nonisothermal conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 945-953.	3.6	26
18	Biomimetic synthesis of modified calcium phosphate fine powders and their in vitro studies. , 2013, , .		1

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19	Optimization of calcium phosphate fine ceramic powders preparation. AIP Conference Proceedings, 2013, , .	0.4	2
20	Calcium phosphate porous composites and ceramics prospective as bone implants. AIP Conference Proceedings, 2013, , .	0.4	2
21	Crystallization and characterization of the compounds $\text{Gly} \cdot \text{MSO}_4 \cdot m\text{H}_2\text{O}$ ( $M = \text{Mg}^{2+}, \text{Mn}^{2+}, \text{Fe}^{2+}, \text{Co}^{2+}$ ), Tj ETQg1 1 0.784314 rgE 3.6 22	3.6	22
22	Phase equilibria in the system $\text{NaAl}(\text{WO}_4)_2 \text{--} \text{NaCr}(\text{WO}_4)_2$ . Materials Research Bulletin, 2012, 47, 3580-3585.	5.2	0
23	Nanosized pure and Cr doped $\text{Al}_2 \cdot x\text{Sc}_x(\text{WO}_4)_3$ solid solutions. Materials Research Bulletin, 2012, 47, 1544-1549.	5.2	8
24	Chemical speciation in natural and brine sea waters. Environmental Monitoring and Assessment, 2011, 180, 217-227.	2.7	11
25	Mg- and Zn-modified calcium phosphates prepared by biomimetic precipitation and subsequent treatment at high temperature. Journal of Materials Science: Materials in Medicine, 2011, 22, 2187-2196.	3.6	10
26	Biomimetic transformations of amorphous calcium phosphate: kinetic and thermodynamic studies. Journal of Materials Science: Materials in Medicine, 2010, 21, 2501-2509.	3.6	34
27	Chemical speciation of inorganic pollutants in riverâ€“estuaryâ€“sea water systems. Environmental Monitoring and Assessment, 2009, 149, 251-260.	2.7	12
28	Chemical speciation in mining affected waters: the case study of Asarel-Medet mine. Environmental Monitoring and Assessment, 2009, 159, 353-366.	2.7	18
29	Structural and spectral characterization of the compounds $n\text{Gly} \cdot \text{ZnCl}_2 \cdot m\text{H}_2\text{O}$ ( $n = 1, 2, 3$ ; $m = 0, 2$ ). Journal of Molecular Structure, 2009, 918, 55-63.	3.6	17
30	Raman spectroscopic studies of ion association in the $\text{Na}^+, \text{Mg}^{2+}/\text{Cl}^-$ , $\text{SO}_4^{2-}/\text{H}_2\text{O}$ system. Journal of Raman Spectroscopy, 2005, 36, 891-897.	2.5	20
31	Sea-water solubility phase diagram. Application to an extractive process. Pure and Applied Chemistry, 2002, 74, 1811-1821.	1.9	15
32	Solubility and Crystallization in the System $\text{MgCl}_2 \text{--} \text{MgSO}_4 \text{--} \text{H}_2\text{O}$ at 50 and 75Â°C. Journal of Solution Chemistry, 2001, 30, 815-823.	1.2	40
33	Thermodynamic Study of the Aqueous Rubidium and Manganese Bromide System. Journal of Solution Chemistry, 1999, 28, 949-958.	1.2	7
34	Study of $(m_1\text{RbBr} + m_2\text{NiBr}_2)(\text{aq})$ ( $m = \text{molality}$ ) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1998, 30, 1087-1094.	2.0	6
35	Synthesis, thermal investigations and solubility of a new double salt $\text{K}_2\text{Mg}(\text{IO}_3)_4 \cdot 2\text{H}_2\text{O}$ . Thermochimica Acta, 1997, 293, 117-123.	2.7	5
36	Synthesis and thermal investigations of $\text{K}_2\text{M}(\text{IO}_3)_4 \cdot 2\text{H}_2\text{O}$ where $\text{M}^{2+}$ is $\text{Co}^{2+}$ $\text{Ni}^{2+}$ $\text{Zn}^{2+}$ . Part 1. Thermochimica Acta, 1994, 231, 267-275.	2.7	6

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37	Biomimetic Modifications of Calcium Orthophosphates. , 0 , , .		0