

# Diana Rabadjieva

## 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  
all docs

38  
docs citations

38  
times ranked

404  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solubility and Crystallization in the System $MgCl_2 \cdot MgSO_4 \cdot H_2O$ at 50 and 75°C. Journal of Solution Chemistry, 2001, 30, 815-823.	1.2	40
2	Biomimetic transformations of amorphous calcium phosphate: kinetic and thermodynamic studies. Journal of Materials Science: Materials in Medicine, 2010, 21, 2501-2509.	3.6	34
3	Kinetics of copper slag oxidation under nonisothermal conditions. Journal of Thermal Analysis and Calorimetry, 2014, 116, 945-953.	3.6	26
4	Crystallization and characterization of the compounds $Gly \cdot MSO_4 \cdot mH_2O$ ( $M = Mg^{2+}, Mn^{2+}, Fe^{2+}, Co^{2+}$ ). Tj ETQg 0 0 rgBT /Overlock	3.6	22
5	Raman spectroscopic studies of ion association in the $Na^+, Mg^{2+}/Cl^-$ , $SO_4^{2-}/H_2O$ system. Journal of Raman Spectroscopy, 2005, 36, 891-897.	2.5	20
6	Technological scheme for copper slag processing. International Journal of Mineral Processing, 2017, 158, 1-7.	2.6	20
7	Chemical speciation in mining affected waters: the case study of Asarel-Medet mine. Environmental Monitoring and Assessment, 2009, 159, 353-366.	2.7	18
8	Structural and spectral characterization of the compounds $nGly \cdot ZnCl_2 \cdot mH_2O$ ( $n = 1,2,3; m = 0,2$ ). Journal of Molecular Structure, 2009, 918, 55-63.	3.6	17
9	Sea-water solubility phase diagram. Application to an extractive process. Pure and Applied Chemistry, 2002, 74, 1811-1821.	1.9	15
10	Precipitation and phase transformation of dicalcium phosphate dihydrate in electrolyte solutions of simulated body fluids: Thermodynamic modeling and kinetic studies. Journal of Biomedical Materials Research - Part A, 2020, 108, 1607-1616.	4.0	13
11	Chemical speciation of inorganic pollutants in river-estuary-sea water systems. Environmental Monitoring and Assessment, 2009, 149, 251-260.	2.7	12
12	Chemical speciation in natural and brine sea waters. Environmental Monitoring and Assessment, 2011, 180, 217-227.	2.7	11
13	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
14	Simulation of stable and metastable sea-type carbonate systems for optimization of $MgCO_3 \cdot 3H_2O$ precipitation from waste sea brines. Desalination, 2014, 348, 66-73.	8.2	9
15	New zinc-glycine-iodide complexes as a product of equilibrium and non-equilibrium crystallization in the $Gly \cdot ZnI_2 \cdot H_2O$ system. Journal of Molecular Structure, 2016, 1120, 42-49.	3.6	9
16	Nanosized pure and Cr doped $Al_{2-x}Sc_x(VO_4)_3$ solid solutions. Materials Research Bulletin, 2012, 47, 1544-1549.	5.2	8
17	Chemical Equilibria Modeling of Calcium Phosphate Precipitation and Transformation in Simulated Physiological Solutions. Journal of Solution Chemistry, 2016, 45, 1620-1633.	1.2	8
18	Biocompatible calcium phosphate-based ceramics and composites. Materials Today: Proceedings, 2022, 61, 1217-1225.	1.8	8

#	ARTICLE	IF	CITATIONS
19	Thermodynamic Study of the Aqueous Rubidium and Manganese Bromide System. Journal of Solution Chemistry, 1999, 28, 949-958.	1.2	7
20	Synthesis and thermal investigations of $K_2M(IO_3)_4 \cdot 2H_2O$ where $M^{2+}$ is $Co^{2+}$ , $Ni^{2+}$ , $Zn^{2+}$ . Part 1. Thermochimica Acta, 1994, 231, 267-275.	2.7	6
21	Study of $(m_1RbBr + m_2NiBr_2)(aq)$ ( $m$ =molality) at the temperature 298.15 K. Journal of Chemical Thermodynamics, 1998, 30, 1087-1094.	2.0	6
22	Preparation and characterization of silicagel from silicate solution obtained by autoclave treatment of copper slag. Journal of Sol-Gel Science and Technology, 2018, 87, 331-339.	2.4	6
23	Dynamics of trace metals in the system water – soil – plant – wild rats – tapeworms (Hymenolepis) Tj ETQq1 1 0.784314 rgB / 126440.	3.0	6
24	Synthesis, thermal investigations and solubility of a new double salt $K_2Mg(IO_3)_4 \cdot 2H_2O$ . Thermochimica Acta, 1997, 293, 117-123.	2.7	5
25	On the crystallization kinetics of highly soluble salts. Pure and Applied Chemistry, 2015, 87, 445-451.	1.9	4
26	Optimization of calcium phosphate fine ceramic powders preparation. AIP Conference Proceedings, 2013, , .	0.4	2
27	Calcium phosphate porous composites and ceramics prospective as bone implants. AIP Conference Proceedings, 2013, , .	0.4	2
28	Chemical speciation in fresh, saline and hyper-saline waters. Pure and Applied Chemistry, 2014, 86, 1097-1104.	1.9	2
29	Trace metals pollution of waters and soils in Kardjali region, Bulgaria. Environmental Monitoring and Assessment, 2018, 190, 383.	2.7	2
30	Modelling of chemical species of Al, Mn, Zn, and Pb in river body waters of industrial areas of West Rhodope Mountain, Bulgaria. Environmental Monitoring and Assessment, 2021, 193, 430.	2.7	2
31	Biomimetic synthesis of modified calcium phosphate fine powders and their in vitro studies. , 2013, , .		1
32	Solid phases in the systems $glycine \cdot ZnX_2 \cdot H_2O$ ( $X = Cl, Br, I$ ) at 25°C. Monatshefte für Chemie, 2018, 149, 299-311.	1.8	1
33	Moisture-mediated mechanism of the decomposition of $Na_2SO_4 \cdot 7H_2O$ and $Na_2SeO_4 \cdot 7.5H_2O$ . Journal of Solid State Chemistry, 2019, 279, 120934.	2.9	1
34	Trace metals accumulation in the eco-system water – soil – vegetation (Agropyron cristatum) – common voles (Microtus arvalis) – parasites (Hymenolepis diminuta) in Radnevo region, Bulgaria. Journal of Trace Elements in Medicine and Biology, 2021, 66, 126750.	3.0	1
35	Biomimetic Modifications of Calcium Orthophosphates. , 0, , .		0
36	Phase equilibria in the system $NaAl(VO_4)_2 \cdot NaCr(VO_4)_2$ . Materials Research Bulletin, 2012, 47, 3580-3585.	5.2	0

#	ARTICLE	IF	CITATIONS
37	Effect of the reaction medium modification on the chemical and phase composition and morphological characteristics of biomimetically synthesized calcium phosphate ceramic powders. Materials Today: Proceedings, 2022, , .	1.8	0