

Romeo-Iulian Olariu

List of Publications by Year in descending order

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53
papers

2,171
citations

304368

22
h-index

223531

46
g-index

54
all docs

54
docs citations

54
times ranked

2917
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrated phenols in the atmosphere: a review. <i>Atmospheric Environment</i> , 2005, 39, 231-248.	1.9	348
2	Sources and Sinks of Hydroxyl Radicals upon Irradiation of Natural Water Samples. <i>Environmental Science & Technology</i> , 2006, 40, 3775-3781.	4.6	328
3	Photochemical reactions in the tropospheric aqueous phase and on particulate matter. <i>Chemical Society Reviews</i> , 2006, 35, 441-53.	18.7	195
4	FT-IR study of the ring-retaining products from the reaction of OH radicals with phenol, o-, m-, and p-cresol. <i>Atmospheric Environment</i> , 2002, 36, 3685-3697.	1.9	171
5	Inhibition vs. enhancement of the nitrate-induced phototransformation of organic substrates by the HCO_3^- scavengers bicarbonate and carbonate. <i>Water Research</i> , 2009, 43, 4718-4728.	5.3	136
6	A novel polymer inclusion membrane applied in chromium (VI) separation from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2011, 197, 244-253.	6.5	88
7	Kinetics, equilibrium modeling, and thermodynamics on removal of Cr(VI) ions from aqueous solution using novel composites with strong base anion exchanger microspheres embedded into chitosan/poly(vinyl amine) cryogels. <i>Chemical Engineering Journal</i> , 2017, 330, 675-691.	6.6	82
8	Chemical composition of rainwater in the northeastern Romania, Iasi region (2003-2006). <i>Atmospheric Environment</i> , 2007, 41, 9452-9467.	1.9	61
9	Removal of lead(II) from aqueous solutions by a polyvinyl-chloride inclusion membrane without added plasticizer. <i>Journal of Membrane Science</i> , 2011, 377, 167-174.	4.1	60
10	Rate coefficients for the gas-phase reaction of OH radicals with selected dihydroxybenzenes and benzoquinones. <i>International Journal of Chemical Kinetics</i> , 2000, 32, 696-702.	1.0	58
11	Investigations on the gas-phase photolysis and OH radical kinetics of methyl-2-nitrophenols. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5686.	1.3	57
12	Assessing the transformation kinetics of 2- and 4-nitrophenol in the atmospheric aqueous phase. Implications for the distribution of both nitroisomers in the atmosphere. <i>Atmospheric Environment</i> , 2009, 43, 2321-2327.	1.9	44
13	Rate coefficients for the gas-phase reaction of NO_3 radicals with selected dihydroxybenzenes. <i>International Journal of Chemical Kinetics</i> , 2004, 36, 577-583.	1.0	40
14	Enhanced antibacterial effect of silver nanoparticles obtained by electrochemical synthesis in poly(amide-hydroxyurethane) media. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 789-796.	1.7	40
15	Photostability and photolability of dissolved organic matter upon irradiation of natural water samples under simulated sunlight. <i>Aquatic Sciences</i> , 2009, 71, 34-45.	0.6	39
16	A new heterogeneous catalytic system for decolorization and mineralization of Orange G acid dye based on hydrogen peroxide and a macroporous chelating polymer. <i>Dyes and Pigments</i> , 2012, 95, 79-88.	2.0	39
17	Size-resolved measurements of PM _{2.5} water-soluble elements in Iasi, north-eastern Romania: Seasonality, source apportionment and potential implications for human health. <i>Science of the Total Environment</i> , 2019, 695, 133839.	3.9	37
18	Kinetics of the reaction of O_3 with selected benzenediols. <i>International Journal of Chemical Kinetics</i> , 2003, 35, 223-230.	1.0	32

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19	Serum trace metal and ceruloplasmin variability in individuals treated for pulmonary tuberculosis. <i>International Journal of Tuberculosis and Lung Disease</i> , 2011, 15, 1239-1245.	0.6	32
20	Formation of Organobrominated Compounds in the Presence of Bromide under Simulated Atmospheric Aerosol Conditions. <i>ChemSusChem</i> , 2008, 1, 197-204.	3.6	29
21	Ion composition of coarse and fine particles in Iasi, north-eastern Romania: Implications for aerosols chemistry in the area. <i>Atmospheric Environment</i> , 2011, 45, 906-916.	1.9	29
22	FT-IR Product Study of the Reactions of NO ₃ Radicals With <i>ortho</i> -, <i>meta</i> -, and <i>para</i> -Cresol. <i>Environmental Science & Technology</i> , 2013, 47, 7729-7738.	4.6	27
23	Chemical Mechanism Development: Laboratory Studies and Model Applications. <i>Journal of Atmospheric Chemistry</i> , 2002, 42, 323-357.	1.4	22
24	SAMPLE PREPARATION FOR TRACE ANALYSIS BY CHROMATOGRAPHIC METHODS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1174-1207.	0.5	20
25	4-Methylpyrimidinium Ylides II: Selective Reactions of Pyrimidinium Ylides with Activated Alkynes. <i>Synthesis</i> , 2000, 2000, 2047-2050.	1.2	16
26	Chemical characteristics of size-resolved atmospheric aerosols in Iasi, north-eastern Romania: nitrogen-containing inorganic compounds control aerosol chemistry in the area. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5879-5904.	1.9	15
27	Development of a New Flow Reactor for Kinetic Studies. Application to the Ozonolysis of a Series of Alkenes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6169-6179.	1.1	13
28	Study of selected benzyl azides by UV photoelectron spectroscopy and mass spectrometry. <i>Journal of Molecular Structure</i> , 2010, 980, 163-171.	1.8	11
29	GC-MS HYPHENATED TECHNIQUES FOR THE ANALYSIS OF VOLATILE ORGANIC COMPOUNDS IN AIR. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 1077-1111.	0.5	11
30	Kinetic Study of the Gas-Phase Reactions of Chlorine Atoms with 2-Chlorophenol, 2-Nitrophenol, and Four Methyl-2-nitrophenol Isomers. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4735-4745.	1.1	11
31	The Mechanism of Pyrolysis of Benzyl Azide: Spectroscopic Evidence for Benzenemethanimine Formation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4118-4126.	1.1	9
32	Assessment of the Anthropogenic Impact and Distribution of Potentially Toxic and Rare Earth Elements in Lake Sediments from North-Eastern Romania. <i>Toxics</i> , 2022, 10, 242.	1.6	9
33	Theoretical study of the molecular properties of benzyl azide, 2-, 3- and 4-methyl benzyl azide. <i>European Physical Journal D</i> , 2006, 39, 379-384.	0.6	8
34	Secondary Organic Aerosol Formation from Nitrophenols Photolysis under Atmospheric Conditions. <i>Atmosphere</i> , 2020, 11, 1346.	1.0	8
35	Kinetic Measurements of Cl Atom Reactions with C ₅ -C ₈ Unsaturated Alcohols. <i>Atmosphere</i> , 2020, 11, 256.	1.0	8
36	Applications of Liquid Chromatographic Techniques in the Chemical Characterization of Atmospheric Aerosols. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 322-348.	0.5	7

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37	Investigations into the gas-phase photolysis and OH radical kinetics of nitrocatechols: implications of intramolecular interactions on their atmospheric behaviour. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2203-2219.	1.9	5
38	Adsorptive Performance of Soy Bran and Mustard Husk Towards Arsenic (V) Ions from Synthetic Aqueous Solutions. <i>Acta Chimica Slovenica</i> , 2019, 66, 326-336.	0.2	4
39	STATISTICAL STUDY OF HEAVY METAL DISTRIBUTION IN THE SPECIFIC MUSHROOMS FROM THE STERIL DUMPS CALIMANI AREA. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 659-665.	0.2	3
40	Dissipation kinetics of tebuconazole on <i>Malus domestica</i> (<i>Golden Delicious</i>) and <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622</i> and Related Technologies, 2019, 42, 582-592.	0.5	2
41	Assessment of Surface Water Quality in the Podu Iloaiei Dam Lake (North-Eastern Romania): Potential Implications for Aquaculture Activities in the Area. <i>Water (Switzerland)</i> , 2021, 13, 2395.	1.2	2
42	Gas-phase IR cross-sections and single crystal structures data for atmospheric relevant nitrocatechols. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 265, 120379.	2.0	2
43	Depth Profiling of Diffraction-based Security Features in Authentic and Counterfeit Banknotes. <i>Materiale Plastice</i> , 2017, 54, 321-325.	0.4	2
44	Ozonolysis of a Series of Methylated Alkenes: Reaction Rate Coefficients and Gas-Phase Products. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 596-605.	1.0	1
45	Investigation of the dynamics and kinetics involved in saline aerosol generation under air erosion of pure and contaminated halide salts. <i>Journal of Aerosol Science</i> , 2015, 81, 100-109.	1.8	1
46	Implications of Matrix Effects in Quantitative HPLC/ESI-ToF-MS Analyses of Atmospheric Organic Aerosols. <i>Proceedings (mdpi)</i> , 2020, 55, .	0.2	1
47	Reversed-Phase High Performance Liquid Chromatographic Analysis of Three First Line Anti-Tuberculosis Drugs. <i>Revista De Chimie (discontinued)</i> , 2019, 69, 3590-3592.	0.2	1
48	Atmospheric Wet Deposition Monitoring in Iasi, Romania. , 2006, , 369-377.		0
49	Effects of Pretreatment Methods on the Enamel Surface Improving Sealant Adhesion. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2019, 40, 92-100.	0.5	0
50	RECOVERY OF SOME INORGANIC COMPOUNDS FROM THE SLUDGES RESULTED AFTER THE LEACHING OF URANYL IONS FROM URANIUM ORES. <i>Environmental Engineering and Management Journal</i> , 2008, 7, 401-407.	0.2	0
51	Analysis of Heavy Metals Content in the Soil and in the Macromycetes Species Growing on Mine Waste Dumps. <i>Revista De Chimie (discontinued)</i> , 2008, 59, .	0.2	0
52	RADIOMETRIC METHOD FOR THE STUDY OF THE STEELS CORROSION. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 939-944.	0.2	0
53	Authentication and Evaluation of the Technique of Minting the Romanian Coins of the 20th Century. I. <i>Revista De Chimie (discontinued)</i> , 2017, 68, 2155-2159.	0.2	0