Margarita S Chernov'yants

List of Publications by Year
in descending order

45	226	1039406 9	1199166 12
papers	citations	h-index	g-index

46	46	46	253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, spectroscopic and structural characterization of novel interaction product of 5-trifluoromethyl-pyridine-2-thione with iodine. Journal of Molecular Structure, 2011, 1006, 379-382.	1.8	17
2	Thioamides as radical scavenging compounds: Methods for screening antioxidant activity and detection. Talanta, 2016, 149, 319-325.	2.9	14
3	Heteroaromatic thioamides: Structure and stability of charge transfer complexes with iodine, antithyroid activity. Journal of Structural Chemistry, 2010, 51, 1176-1190.	0.3	12
4	Synthesis and antimicrobial activity of poly(N-methyl-4-vinylpyridinium triiodide). Pharmaceutical Chemistry Journal, 2010, 44, 61-63.	0.3	12
5	Investigation of the reaction of 1-methylimidazoline-2-thione with molecular iodine. Russian Chemical Bulletin, 2008, 57, 1239-1243.	0.4	10
6	The first proton sponge-based amino acids: synthesis, acidâ€“base properties and some reactivity. Organic and Biomolecular Chemistry, 2015, 13, 8524-8532.	1.5	10
7	In-capillary derivatization and determination of iodine in sodium chloride solution. Analyst, The, 2012, 137, 481-484.	1.7	9
8	Spectroscopic and structural investigation of interaction product of 8-mercaptoquinoline with molecular iodine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 861-865.	2.0	9
9	Spectroscopic and structural study of novel interaction product of pyrrolidine-2-thione with molecular iodine. Presumable mechanisms of oxidation. Journal of Molecular Structure, 2013, 1047, 204-208.	1.8	9
10	Analysis of thyrostatic heteroaromatic thioamides (review). Pharmaceutical Chemistry Journal, 2010, 44, 99-106.	0.3	8
11	Study of the interaction of imidazolidine-2-thione with molecular iodine. Russian Chemical Bulletin, 2016, 65, 811-815.	0.4	8
12	Perspective anti-thyroid drug 2-thioxo-5-(3,4,5-trimethoxybenzylidene) thiazolidin-4-one: X-ray and thermogravimetric characterization of two novel molecular adducts, obtained by interaction with I2. Journal of Molecular Structure, 2019, 1180, 629-635.	1.8	8
13	Interaction of Antithyroid Drugs with Bovine Serum Albumin: Electrophoretic and Fluorimetric Study. Journal of Pharmaceutical Sciences, 2010, 99, 1567-1573.	1.6	7
14	Synthesis and structure of interaction products of quinoline-2(1H)-thione with molecular iodine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 533-538.	2.0	7
15	Organoiodine complexes: Structural and functional variety. Russian Chemical Bulletin, 2009, 58, 1772-1784.	0.4	6
16	Estimation of Ïƒ- and Ï€-donor properties of heterocyclic thioamides by spectroscopic and magnetic resonance methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 640-644.	2.0	6
17	Identification and extractionâ€”spectrophotometric or extractionâ€”fluorimetric determination of organic nitrogen-containing triiodides, new biologically active compounds. Journal of Analytical Chemistry, 2000, 55, 245-248.	0.4	5
18	HPLC determination of antithyroid drugs. Journal of Analytical Chemistry, 2009, 64, 828-831.	0.4	5

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19	Gas chromatographic determination of polychlorophenols after derivatization with monochloroacetic anhydride. Journal of Analytical Chemistry, 2010, 65, 1021-1028.	0.4	5
20	Spectroscopic study of interaction of 1H-1,2,4-triazoline-3-thione with molecular iodine. Russian Journal of General Chemistry, 2013, 83, 986-988.	0.3	5
21	Spectroscopic and structural investigation of interaction of 5-mercapto-3-phenyl-1,3,4-thiadiazole-2-thione potassium salt with molecular iodine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 315-321.	2.0	5
22	Molecular and crystal structure and stability of triiodides of quinolinium derivatives. Russian Journal of Inorganic Chemistry, 2007, 52, 562-566.	0.3	4
23	Synthesis, spectrophotometry, and X-ray diffraction studies of a new salt: p-xylylenebis(tetrahydrothiophenium) bis(triiodide). Russian Chemical Bulletin, 2007, 56, 1390-1393.	0.4	4
24	Study of Antithyroid and Antioxidant Properties of Cysteine, Glutathione, and Methionine by Spectrophotometry and High Performance Liquid Chromatography. Journal of Analytical Chemistry, 2021, 76, 476-485.	0.4	4
25	Crystal and molecular structure of tetraphenylarsonium diiodobromide. Russian Journal of General Chemistry, 2008, 78, 1345-1349.	0.3	3
26	Chromatographic determination of 6-substituted 2-thiouracyls, thyreostatic preparations. Journal of Analytical Chemistry, 2008, 63, 848-851.	0.4	3
27	Reaction of 5-methyl-1,3,4-thiadiazoline-2-thione with molecular iodine. Russian Chemical Bulletin, 2010, 59, 1797-1802.	0.4	3
28	Crystal and molecular structures of N-(1-adamantyl)pyridinium diiodobromide. Mendeleev Communications, 2010, 20, 182-183.	0.6	3
29	Chromatographic and electrophoretic determination of thioamides based on thiazole, 1,3,4-thiadiazole, 1,2,4-triazole, and tetrazole. Journal of Analytical Chemistry, 2011, 66, 280-284.	0.4	3
30	Crystal and molecular structure of diphenyliodonium triiodide. Russian Journal of Inorganic Chemistry, 2012, 57, 193-196.	0.3	3
31	Charge Transfer Complexes Formed by Heterocyclic Thioamides and Tetracyanoethylene: Experimental and Theoretical Study. Journal of Physical Chemistry A, 2017, 121, 7000-7008.	1.1	3
32	Aqueous and non-aqueous electrophoresis and micellar electrokinetic capillary chromatography ofÂa mixture of quinoline-2-thione and 8-mercaptoquinoline hydrochloride. Analytical Methods, 2018, 10, 1399-1404.	1.3	3
33	Spiropyran 5,6â€²-dichloro-1,3,3-trimethylspiro[indoline-2,2â€²-2H-pyrano[3,2-h]quinoline] application as a spectorphotometric and fluorescent probe for glutathione and cysteine sensing. Chemical Papers, 2022, 76, 5541-5550.	1.0	3
34	Electrophoretic determination of 1-methyl-2-mercaptoimidazole in the pharmaceutical preparation mercazolyl. Journal of Analytical Chemistry, 2007, 62, 263-265.	0.4	2
35	Molecular and crystal structure, and stability of 4-bromobenzyltriphenylphosphonium diiodobromide. Russian Journal of Inorganic Chemistry, 2016, 61, 217-220.	0.3	2
36	Determination of low molecular thiols and protein sulfhydryl groups using heterocyclic disulfides. Amino Acids, 2022, 54, 469.	1.2	2

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37	Crystal and molecular structure of diphenyliodonium diiodobromide. Russian Journal of General Chemistry, 2012, 82, 1842-1845.	0.3	1
38	Comparative estimate of the efficiency of the sorption extraction of iodine from chloride solutions. Russian Journal of Physical Chemistry A, 2012, 86, 1898-1902.	0.1	1
39	Determination of polychlorophenols in bottom sediments by gas chromatography. Journal of Analytical Chemistry, 2015, 70, 1277-1281.	0.4	1
40	Structural study and thermal behavior of novel interaction product of 4-amino-5-(furan-2-yl)-4H-1,2,4-triazole-3-thione with molecular iodine. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 421-428.	0.8	1
41	Electrophoretic and spectrophotometric determination of triiodides of sulfur-containing organic cations. Journal of Analytical Chemistry, 2008, 63, 680-683.	0.4	0
42	Electrophoretic determination of phenyl and p-bromophenyl substituted 1H,2H,3H,4H-pyrido[4,3-d]pyrimidinium diiodobromides. Journal of Analytical Chemistry, 2013, 68, 977-980.	0.4	0
43	Synthesis, Stability, and Antimicrobial Activity of Diiodobromides of 1H,2H,3H,4H-Pyrido-[4,3-d]Pyrimidinium Derivatives. Pharmaceutical Chemistry Journal, 2015, 49, 455-458.	0.3	0
44	A Comparative Study of Procedures for Preparing Samples of Bottom Sediments in the Determination of Petroleum Products by Chromatographic Methods. Journal of Analytical Chemistry, 2019, 74, 784-793.	0.4	0
45	Crystal and molecular structure of the reaction product of 7-mercapto-4-methylcoumarin with iodine. Russian Chemical Bulletin, 2019, 68, 1219-1222.	0.4	0