

Gouriprasanna Roy

List of Publications by Year in descending order

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papers

1,149
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430442

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395343

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43
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citing authors

#	ARTICLE	IF	CITATIONS
1	Interplay of the intermolecular and intramolecular interactions in stabilizing the thione-based copper(I) complexes and their significance in protecting the biomolecules against metal-mediated oxidative damage. <i>Polyhedron</i> , 2022, 215, 115647.	1.0	11
2	Detoxification of organomercurials by thiones and selones: A short review. <i>Inorganica Chimica Acta</i> , 2022, 538, 120980.	1.2	3
3	Tripodal scaffolds with three appended imidazole thiones for Cu(I) chelation and protection from Cu-mediated oxidative stress. <i>Journal of Inorganic Biochemistry</i> , 2021, 222, 111518.	1.5	4
4	Surface Activities of a Lipid Analogue Room-Temperature Ionic Liquid and Its Effects on Phospholipid Membrane. <i>Langmuir</i> , 2020, 36, 328-339.	1.6	25
5	Hg ^{II} -C bond protonolysis by a functional model of bacterial enzyme organomercurial lyase MerB. <i>Chemical Communications</i> , 2020, 56, 9280-9283.	2.2	7
6	Exploiting the π - σ Fashioned Coordination of [Se ²⁺]-Donor Ligand L ₃ Se for Facile Hg ^{II} -C Bond Cleavage of Mercury Alkyls and Cytoprotection against Methylmercury-Induced Toxicity. <i>Chemistry - A European Journal</i> , 2019, 25, 12810-12819.	1.7	5
7	Chemical Degradation of Mercury Alkyls Mediated by Copper Selenide Nanosheets. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4582-4587.	1.7	5
8	Cytoprotective effects of imidazole-based [S ¹] and [S ²]-donor ligands against mercury toxicity: a bioinorganic approach. <i>Metallomics</i> , 2019, 11, 213-225.	1.0	8
9	Re-entrant direct hexagonal phases in a lyotropic system of surfactant induced by an ionic liquid. <i>Liquid Crystals</i> , 2019, 46, 1327-1339.	0.9	7
10	Role of Hydrogen Bonding by Thiones in Protecting Biomolecules from Copper(I)-Mediated Oxidative Damage. <i>Inorganic Chemistry</i> , 2019, 58, 6628-6638.	1.9	14
11	Copper-Driven Deselenization: A Strategy for Selective Conversion of Copper Ion to Nanozyme and Its Implication for Copper-Related Disorders. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4766-4776.	4.0	17
12	Metal-free C(sp ²)-H functionalization of azoles: K ₂ CO ₃ /I ₂ -mediated oxidation, imination, and amination. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4243-4260.	1.5	22
13	Experimental Implementation of Molecular Communication System using Sampling based Adaptive Threshold Variation Demodulation Algorithm. , 2018, , .		5
14	Protection of Endogenous Thiols against Methylmercury with Benzimidazole-Based Thione by Unusual Ligand-Exchange Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 5696-5707.	1.7	24
15	Frontispiece: Protection of Endogenous Thiols against Methylmercury with Benzimidazole-Based Thione by Unusual Ligand-Exchange Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
16	Activation of the Hg ^{II} -C Bond of Methylmercury by [S ²]-Donor Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 12102-12115.	1.9	15
17	Cleavage of Hg ^{II} -C Bonds of Organomercurials Induced by Im ^{OH} Se via Two Distinct Pathways. <i>Inorganic Chemistry</i> , 2017, 56, 12739-12750.	1.9	11
18	Synthesis and Characterization of 1:2 Complex of Mercury(II) Chloride with 1,3-Dimethyl-1H-imidazole-2(3H)-thione. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2016, 86, 611-617.	0.8	3

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19	InnenrÃ¼cktitelbild: Chemical Detoxification of Organomercurials (Angew. Chem. 32/2015). Angewandte Chemie, 2015, 127, 9551-9551.	1.6	0
20	Chemical Detoxification of Organomercurials. Angewandte Chemie - International Edition, 2015, 54, 9323-9327.	7.2	36
21	Antithyroid Drugs and Their Analogues: Synthesis, Structure, and Mechanism of Action. Accounts of Chemical Research, 2013, 46, 2706-2715.	7.6	144
22	Inhibition of Lactoperoxidaseâ€Catalyzed Oxidation by Imidazoleâ€Based Thiones and Selones: A Mechanistic Study. Chemistry - an Asian Journal, 2013, 8, 1910-1921.	1.7	61
23	ApoB-100-containing Lipoproteins Are Major Carriers of 3-Iodothyronamine in Circulation. Journal of Biological Chemistry, 2012, 287, 1790-1800.	1.6	38
24	Interactions of Antithyroid Drugs and Their Analogues with Halogens and their Biological Implications. Crystal Growth and Design, 2011, 11, 2279-2286.	1.4	40
25	Mechanistic investigations on the efficient catalytic decomposition of peroxyxynitrite by ebselen analogues. Organic and Biomolecular Chemistry, 2011, 9, 5193.	1.5	32
26	Effect of thioneâ€thiol tautomerism on the inhibition of lactoperoxidase by anti-thyroid drugs and their analogues. Journal of Chemical Sciences, 2008, 120, 143-154.	0.7	45
27	Selenium Analogues of Antithyroid Drugs â€ Recent Developments. Chemistry and Biodiversity, 2008, 5, 414-439.	1.0	39
28	Antithyroid Drug Carbimazole and Its Analogues: Synthesis and Inhibition of Peroxidase-Catalyzed Iodination of <sc>l</sc>-Tyrosine. Journal of Medicinal Chemistry, 2008, 51, 7313-7317.	2.9	24
29	Selenium Analogues of Anti-Thyroid Drugs. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 908-923.	0.8	11
30	Bioinorganic chemistry aspects of the inhibition of thyroid hormone biosynthesis by anti-hyperthyroid drugs. Inorganica Chimica Acta, 2007, 360, 303-316.	1.2	81
31	Interaction of anti-thyroid drugs with iodine: the isolation of two unusual ionic compounds derived from Se-methimazole. Organic and Biomolecular Chemistry, 2006, 4, 2883.	1.5	21
32	Bioinorganic Chemistry in Thyroid Gland: Effect of Antithyroid Drugs on Peroxidase-Catalyzed Oxidation and Iodination Reactions. Bioinorganic Chemistry and Applications, 2006, 2006, 1-9.	1.8	23
33	Bioinorganic chemistry of anti-thyroid drugs: An unusual formation of a copper (II) complex. Inorganic Chemistry Communication, 2006, 9, 571-574.	1.8	8
34	Thyroid hormone synthesis and anti-thyroid drugs: A bioinorganic chemistry approach. Journal of Chemical Sciences, 2006, 118, 619-625.	0.7	17
35	Selenium-containing enzymes in mammals: Chemical perspectives. Journal of Chemical Sciences, 2005, 117, 287-303.	0.7	70
36	Chemistry in Thyroid Gland: Iodothyronine Deiodinases and Anti-Thyroid Drugs. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 891-902.	0.8	4

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37	Combining benzo[d]iselenazol-3-ones with sterically hindered alicyclic amines and nitroxides: enhanced activity as glutathione peroxidase mimics. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3564.	1.5	22
38	Anti-Thyroid Drugs and Thyroid Hormone Synthesis: Effect of Methimazole Derivatives on Peroxidase-Catalyzed Reactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 15207-15217.	6.6	113
39	Biomimetic Studies on Anti-Thyroid Drugs and Thyroid Hormone Synthesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 2712-2713.	6.6	115