Gouriprasanna Roy

List of Publications by Year
in descending order

39	1,149	430442	395343
papers	citations	18 h-index	33 g-index

43	43	43	1133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antithyroid Drugs and Their Analogues: Synthesis, Structure, and Mechanism of Action. Accounts of Chemical Research, 2013, 46, 2706-2715.	7.6	144
2	Biomimetic Studies on Anti-Thyroid Drugs and Thyroid Hormone Synthesis. Journal of the American Chemical Society, 2004, 126, 2712-2713.	6.6	115
3	Anti-Thyroid Drugs and Thyroid Hormone Synthesis:Â Effect of Methimazole Derivatives on Peroxidase-Catalyzed Reactions. Journal of the American Chemical Society, 2005, 127, 15207-15217.	6.6	113
4	Bioinorganic chemistry aspects of the inhibition of thyroid hormone biosynthesis by anti-hyperthyroid drugs. Inorganica Chimica Acta, 2007, 360, 303-316.	1.2	81
5	Selenium-containing enzymes in mammals: Chemical perspectives. Journal of Chemical Sciences, 2005, 117, 287-303.	0.7	70
6	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
7	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
8	Interactions of Antithyroid Drugs and Their Analogues with Halogens and their Biological Implications. Crystal Growth and Design, 2011, 11, 2279-2286.	1.4	40
9	Selenium Analogues of Antithyroid Drugs â€“ Recent Developments. Chemistry and Biodiversity, 2008, 5, 414-439.	1.0	39
10	ApoB-100-containing Lipoproteins Are Major Carriers of 3-Iodothyronamine in Circulation. Journal of Biological Chemistry, 2012, 287, 1790-1800.	1.6	38
11	Chemical Detoxification of Organomercurials. Angewandte Chemie - International Edition, 2015, 54, 9323-9327.	7.2	36
12	Mechanistic investigations on the efficient catalytic decomposition of peroxynitrite by ebselen analogues. Organic and Biomolecular Chemistry, 2011, 9, 5193.	1.5	32
13	Surface Activities of a Lipid Analogue Room-Temperature Ionic Liquid and Its Effects on Phospholipid Membrane. Langmuir, 2020, 36, 328-339.	1.6	25
14	Antithyroid Drug Carbimazole and Its Analogues: Synthesis and Inhibition of Peroxidase-Catalyzed Iodination of <scp>I</scp>-Tyrosine. Journal of Medicinal Chemistry, 2008, 51, 7313-7317.	2.9	24
15	Protection of Endogenous Thiols against Methylmercury with Benzimidazoleâ€Based Thione by Unusual Ligandâ€Exchange Reactions. Chemistry - A European Journal, 2017, 23, 5696-5707.	1.7	24
16	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
17	Combining benzo[d]isoselenazol-3-ones with sterically hindered alicyclic amines and nitroxides: enhanced activity as glutathione peroxidase mimics. Organic and Biomolecular Chemistry, 2005, 3, 3564.	1.5	22
18	Metal-free C(sp²)â€"H functionalization of azoles: K₂CO₃/I₂-mediated oxidation, imination, and amination. Organic and Biomolecular Chemistry, 2018, 16, 4243-4260.	1.5	22

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19	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
20	Thyroid hormone synthesis and anti-thyroid drugs: A bioinorganic chemistry approach. Journal of Chemical Sciences, 2006, 118, 619-625.	0.7	17
21	Copper-Driven Deselenization: A Strategy for Selective Conversion of Copper Ion to Nanozyme and Its Implication for Copper-Related Disorders. ACS Applied Materials & Interfaces, 2019, 11, 4766-4776.	4.0	17
22	Activation of the Hgâ€“C Bond of Methylmercury by [S₂]-Donor Ligands. Inorganic Chemistry, 2017, 56, 12102-12115.	1.9	15
23	Role of Hydrogen Bonding by Thiones in Protecting Biomolecules from Copper(I)-Mediated Oxidative Damage. Inorganic Chemistry, 2019, 58, 6628-6638.	1.9	14
24	Selenium Analogues of Anti-Thyroid Drugs. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 908-923.	0.8	11
25	Cleavage of Hgâ€“C Bonds of Organomercurials Induced by Im^{OH}Se via Two Distinct Pathways. Inorganic Chemistry, 2017, 56, 12739-12750.	1.9	11
26	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. Polyhedron, 2022, 215, 115647.	1.0	11
27	Bioinorganic chemistry of anti-thyroid drugs: An unusual formation of a copper (II) complex. Inorganic Chemistry Communication, 2006, 9, 571-574.	1.8	8
28	Cytoprotective effects of imidazole-based [S₁] and [S₂]-donor ligands against mercury toxicity: a bioinorganic approach. Metallomics, 2019, 11, 213-225.	1.0	8
29	Re-entrant direct hexagonal phases in a lyotropic system of surfactant induced by an ionic liquid. Liquid Crystals, 2019, 46, 1327-1339.	0.9	7
30	Hgâ€“C bond protonolysis by a functional model of bacterial enzyme organomercurial lyase MerB. Chemical Communications, 2020, 56, 9280-9283.	2.2	7
31	Experimental Implementation of Molecular Communication System using Sampling based Adaptive Threshold Variation Demodulation Algorithm. , 2018, , .		5
32	Exploiting the Îº²â€Fashioned Coordination of [Se₂]â€Donor Ligand L₃Se for Facile Hgâ^C Bond Cleavage of Mercury Alkyls and Cytoprotection against Methylmercuryâ€Induced Toxicity. Chemistry - A European Journal, 2019, 25, 12810-12819.	1.7	5
33	Chemical Degradation of Mercury Alkyls Mediated by Copper Selenide Nanosheets. Chemistry - an Asian Journal, 2019, 14, 4582-4587.	1.7	5
34	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
35	Tripodal scaffolds with three appended imidazole thiones for Cu(I) chelation and protection from Cu-mediated oxidative stress. Journal of Inorganic Biochemistry, 2021, 222, 111518.	1.5	4
36	Synthesis and Characterization of 1:2 Complex of Mercury(II) Chloride with 1,3-Dimethyl-1H-Imidazole-2(3H)-Thione. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2016, 86, 611-617.	0.8	3

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37	Detoxification of organomercurials by thiones and selones: A short review. Inorganica Chimica Acta, 2022, 538, 120980.	1.2	3
38	InnenrÃ¼cktitelbild: Chemical Detoxification of Organomercurials (Angew. Chem. 32/2015). Angewandte Chemie, 2015, 127, 9551-9551.	1.6	0
39	Frontispiece: Protection of Endogenous Thiols against Methylmercury with Benzimidazoleâ€Based Thione by Unusual Ligandâ€Exchange Reactions. Chemistry - A European Journal, 2017, 23, .	1.7	0