

Govindasamy Mugesh

List of Publications by Year in descending order

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146
papers

10,568
citations

36303
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173
docs citations

173
times ranked

7666
citing authors

#	ARTICLE	IF	CITATIONS
1	A GPx-mimetic copper vanadate nanozyme mediates the release of nitric oxide from <i>S-nitrosothiols</i> . <i>Faraday Discussions</i> , 2022, 234, 284-303.	3.2	8
2	A Cerium Vanadate Nanozyme with Specific Superoxide Dismutase Activity Regulates Mitochondrial Function and ATP Synthesis in Neuronal Cells. <i>Angewandte Chemie</i> , 2021, 133, 3158-3167.	2.0	58
3	A Cerium Vanadate Nanozyme with Specific Superoxide Dismutase Activity Regulates Mitochondrial Function and ATP Synthesis in Neuronal Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3121-3130.	13.8	111
4	Antioxidant nanozyme counteracts HIV-1 by modulating intracellular redox potential. <i>EMBO Molecular Medicine</i> , 2021, 13, e13314.	6.9	21
5	Targeting the DIO3 enzyme using first-in-class inhibitors effectively suppresses tumor growth: a new paradigm in ovarian cancer treatment. <i>Oncogene</i> , 2021, 40, 6248-6257.	5.9	7
6	Halogen Bonding in the Molecular Recognition of Thyroid Hormones and Their Metabolites by Transport Proteins and Thyroid Hormone Receptors. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 231-247.	1.9	4
7	Halogen Bonding in Biomimetic Deiodination of Thyroid Hormones and their Metabolites and Dehalogenation of Halogenated Nucleosides. <i>ChemBioChem</i> , 2020, 21, 911-923.	2.6	16
8	Modulation of Redox Signaling and Thiol Homeostasis in Red Blood Cells by Peroxiredoxin Mimetics. <i>ACS Chemical Biology</i> , 2020, 15, 2673-2682.	3.4	7
9	Highly Stable Pyrimidine Based Luminescent Copper Nanoclusters with Superoxide Dismutase Mimetic and Nitric Oxide Releasing Activity. <i>ACS Applied Bio Materials</i> , 2020, 3, 7454-7461.	4.6	12
10	Nanoceria-Based Phospholipase-Mimetic Cell Membrane Disruptive Antibiofilm Agents. <i>ACS Applied Bio Materials</i> , 2020, 3, 4316-4328.	4.6	23
11	10. Understanding the Chemistry of Selenoenzymes by Synthetic Organoselenium Compounds. , 2020, , 381-422.		0
12	Frontispiece: Directing Traffic: Halogen-Bond-Mediated Membrane Transport. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	13
13	Application of dehydroalanine as a building block for the synthesis of selenocysteine-containing peptides. <i>RSC Advances</i> , 2019, 9, 34-43.	3.6	13
14	A manganese oxide nanozyme prevents the oxidative damage of biomolecules without affecting the endogenous antioxidant system. <i>Nanoscale</i> , 2019, 11, 3855-3863.	5.6	100
15	Directing Traffic: Halogen-Bond-Mediated Membrane Transport. <i>Chemistry - A European Journal</i> , 2019, 25, 11180-11192.	3.3	8
16	Modeling Thioredoxin Reductase-Like Activity with Cyclic Selenenyl Sulfides: Participation of an NH...Se Hydrogen Bond through Stabilization of the Mixed Se~S Intermediate. <i>Chemistry - A European Journal</i> , 2019, 25, 12751-12760.	3.3	24
17	CeVO 4 Nanozymes Catalyze the Reduction of Dioxygen to Water without Releasing Partially Reduced Oxygen Species. <i>Angewandte Chemie</i> , 2019, 131, 7879-7883.	2.0	11
18	Lock and key-based nanozyme model to understand the substituent effect on the hydrolysis of organophosphate-based nerve agents by Zr-incorporated cerium oxide. <i>Polyhedron</i> , 2019, 172, 198-204.	2.2	8

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19	Crystal-facet-dependent denitrosylation: modulation of NO release from <i>S</i> -nitrosothiols by Cu ₂ O polymorphs. <i>Chemical Science</i> , 2019, 10, 5308-5318.	7.4	22
20	Probing the Formation of a Seleninic Acid in Living Cells by the Fluorescence Switching of a Glutathione Peroxidase Mimetic. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8156-8160.	13.8	39
21	Modelling the Inhibition of Selenoproteins by Small Molecules Using Cysteine and Selenocysteine Derivatives. <i>Chemistry - A European Journal</i> , 2019, 25, 8875-8883.	3.3	12
22	A Single Atom Change Facilitates the Membrane Transport of Green Fluorescent Proteins in Mammalian Cells. <i>Angewandte Chemie</i> , 2019, 131, 7795-7799.	2.0	8
23	A Single Atom Change Facilitates the Membrane Transport of Green Fluorescent Proteins in Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7713-7717.	13.8	21
24	Probing the Formation of a Seleninic Acid in Living Cells by the Fluorescence Switching of a Glutathione Peroxidase Mimetic. <i>Angewandte Chemie</i> , 2019, 131, 8240-8244.	2.0	10
25	CeVO ₄ Nanozymes Catalyze the Reduction of Dioxygen to Water without Releasing Partially Reduced Oxygen Species. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7797-7801.	13.8	67
26	Halogen-Mediated Membrane Transport: An Efficient Strategy for the Enhancement of Cellular Uptake of Synthetic Molecules. <i>Chemistry - A European Journal</i> , 2019, 25, 3391-3399.	3.3	11
27	Dehalogenation of Halogenated Nucleobases and Nucleosides by Organoselenium Compounds. <i>Chemistry - A European Journal</i> , 2019, 25, 1773-1780.	3.3	8
28	Understanding the role of oxo and peroxido species in the glutathione peroxidase (GPx)-like activity of metal based nanozymes. <i>Inorganica Chimica Acta</i> , 2019, 484, 283-290.	2.4	12
29	Manganese-Based Nanozymes: Multienzyme Redox Activity and Effect on the Nitric Oxide Produced by Endothelial Nitric Oxide Synthase. <i>Chemistry - A European Journal</i> , 2018, 24, 8393-8403.	3.3	84
30	InnenrÄ¼ktitelbild: Nanoozymes: Crystal-Facet-Dependent Enzyme-Mimetic Activity of V ₂ O ₅ Nanomaterials (Angew. Chem. 17/2018). <i>Angewandte Chemie</i> , 2018, 130, 4895-4895.	2.0	0
31	Nanoozymes: Crystal-Facet-Dependent Enzyme-Mimetic Activity of V ₂ O ₅ Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4510-4515.	13.8	181
32	Nanoozymes: Crystal-Facet-Dependent Enzyme-Mimetic Activity of V ₂ O ₅ Nanomaterials. <i>Angewandte Chemie</i> , 2018, 130, 4600-4605.	2.0	65
33	Protein Folding in the Presence of Water-Soluble Cyclic Diselenides with Novel Oxidoreductase and Isomerase Activities. <i>ChemBioChem</i> , 2018, 19, 207-211.	2.6	28
34	An Unusual Two-Step Hydrolysis of Nerve Agents by a Nanozyme. <i>ChemCatChem</i> , 2018, 10, 4826-4831.	3.7	19
35	The Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8989-8993.	13.8	33
36	The Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells. <i>Angewandte Chemie</i> , 2018, 130, 9127-9131.	2.0	13

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37	The Role of Reactive Oxygen Species and Ferroptosis in Heme-Mediated Activation of Human Platelets. ACS Chemical Biology, 2018, 13, 1996-2002.	3.4	82
38	The Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells. , 2018, 57, 8989.		1
39	Novel thyroid hormone analogues, enzyme inhibitors and mimetics, and their action. Molecular and Cellular Endocrinology, 2017, 458, 91-104.	3.2	38
40	Graphene Oxide: Structural Updates and Enzyme Mimetic Properties for Biomedical Applications. , 2017, 15-34.		0
41	A Redox Modulatory Mn ₃ O ₄ Nanozyme with Multi-Enzyme Activity Provides Efficient Cytoprotection to Human Cells in a Parkinson's Disease Model. Angewandte Chemie - International Edition, 2017, 56, 14267-14271.	13.8	448
42	A Redox Modulatory Mn ₃ O ₄ Nanozyme with Multi-Enzyme Activity Provides Efficient Cytoprotection to Human Cells in a Parkinson's Disease Model. Angewandte Chemie, 2017, 129, 14455-14459.	2.0	102
43	Vacancy-Engineered Nanocerria: Enzyme Mimetic Hotspots for the Degradation of Nerve Agents. Angewandte Chemie, 2016, 128, 1434-1438.	2.0	33
44	Titelbild: Chemie und Biologie der Schilddr�senhormon-Biosynthese und -Wirkung (Angew. Chem.) Tj ETQq0 0,0 rgBT /Qverlock 10	2.0	0
45	Conformational Flexibility and Halogen Bonding in Thyroid Hormones and Their Metabolites. Crystal Growth and Design, 2016, 16, 5896-5906.	3.0	11
46	Biomimetic deiodination of thyroid hormones and iodothyronamines – a structure–activity relationship study. Organic and Biomolecular Chemistry, 2016, 14, 9490-9500.	2.8	14
47	Chemie und Biologie der Schilddr�senhormon-Biosynthese und -Wirkung. Angewandte Chemie, 2016, 128, 7734-7759.	2.0	15
48	Vacancy-Engineered Nanocerria: Enzyme Mimetic Hotspots for the Degradation of Nerve Agents. Angewandte Chemie - International Edition, 2016, 55, 1412-1416.	13.8	157
49	Chemistry and Biology in the Biosynthesis and Action of Thyroid Hormones. Angewandte Chemie - International Edition, 2016, 55, 7606-7630.	13.8	149
50	A Remarkably Efficient MnFe ₂ O ₄ -based Oxidase Nanozyme. Chemistry - an Asian Journal, 2016, 11, 72-76.	3.3	103
51	Remarkable Effect of Chalcogen Substitution on an Enzyme Mimetic for Deiodination of Thyroid Hormones. Angewandte Chemie - International Edition, 2015, 54, 7674-7678.	13.8	25
52	Structure Elucidation and Characterization of Different Thyroxine Polymorphs. Angewandte Chemie - International Edition, 2015, 54, 10833-10837.	13.8	33
53	Selenium-Mediated Dehalogenation of Halogenated Nucleosides and its Relevance to the DNA Repair Pathway. Angewandte Chemie - International Edition, 2015, 54, 9298-9302.	13.8	54
54	Substituent Effects on the Stability and Antioxidant Activity of Spirodiazaselenuranes. Molecules, 2015, 20, 12959-12978.	3.8	13

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55	Highly Efficient Glutathione Peroxidase and Peroxiredoxin Mimetics Protect Mammalian Cells against Oxidative Damage. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8449-8453.	13.8	92
56	Halogen Bonding Controls the Regioselectivity of the Deiodination of Thyroid Hormones and their Sulfate Analogues. <i>Chemistry - A European Journal</i> , 2015, 21, 2409-2416.	3.3	30
57	Unusually Short Chalcogen Bonds Involving Organoselenium: Insights into the Se–N Bond Cleavage Mechanism of the Antioxidant Ebselen and Analogues. <i>Chemistry - A European Journal</i> , 2015, 21, 6793-6800.	3.3	88
58	Introduction of a catalytic triad increases the glutathione peroxidase-like activity of diaryl diselenides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9072-9082.	2.8	24
59	Insights into the catalytic mechanism of synthetic glutathione peroxidase mimetics. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10262-10272.	2.8	45
60	Synthesis and Antioxidant Activities of Novel Chiral Ebselen Analogues. <i>Heteroatom Chemistry</i> , 2014, 25, 320-325.	0.7	26
61	An antioxidant nanozyme that uncovers the cytoprotective potential of vanadia nanowires. <i>Nature Communications</i> , 2014, 5, 5301.	12.8	335
62	Iodo(trisyl)sulfane: Reactivity of a Stable Alkanesulphenyl Iodide towards Antithyroid Drugs. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1399-1406.	2.0	7
63	Regioselective Deiodination of Iodothyronamines, Endogenous Thyroid Hormone Derivatives, by Deiodinase Mimics. <i>Chemistry - A European Journal</i> , 2014, 20, 11120-11128.	3.3	24
64	Antithyroid Drugs and Their Analogues: Synthesis, Structure, and Mechanism of Action. <i>Accounts of Chemical Research</i> , 2013, 46, 2706-2715.	15.6	144
65	Glutathione Peroxidase Activity of Ebselen and its Analogues: Some Insights into the Complex Chemical Mechanisms Underlying the Antioxidant Activity. <i>Current Chemical Biology</i> , 2013, 7, 47-56.	0.5	29
66	Se- and S-Based Thiouracil and Methimazole Analogues Exert Different Inhibitory Mechanisms on Type 1 and Type 2 Deiodinases. <i>European Thyroid Journal</i> , 2013, 2, 252-258.	2.4	18
67	Catalytic Reduction of Graphene Oxide Nanosheets by Glutathione Peroxidase Mimetics Reveals a New Structural Motif in Graphene Oxide. <i>Chemistry - A European Journal</i> , 2013, 19, 16699-16706.	3.3	21
68	Inhibition of Lactoperoxidase–Catalyzed Oxidation by Imidazole–Based Thiones and Selones: A Mechanistic Study. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1910-1921.	3.3	61
69	The Modified Selenenyl Amide, M-hydroxy Ebselen, Attenuates Diabetic Nephropathy and Diabetes-Associated Atherosclerosis in ApoE/GPx1 Double Knockout Mice. <i>PLoS ONE</i> , 2013, 8, e69193.	2.5	31
70	Spirodiazaselenuranes: synthesis, structure and antioxidant activity. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7933.	2.8	33
71	Antioxidant activity of peptide-based angiotensin converting enzyme inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2237.	2.8	19
72	Shanti Swarup Bhatnagar Prize: G. Mugesh and G. J. Sanjayan / KCS–Wiley Young Chemist Award: I. S. Lee and D. H. Min / Heinrich Wieland Prize: C. R. Bertozzi. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12403-12403.	13.8	0

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73	Hemin-Functionalized Reduced Graphene Oxide Nanosheets Reveal Peroxynitrite Reduction and Isomerization Activity. <i>Chemistry - A European Journal</i> , 2012, 18, 15122-15132.	3.3	39
74	Anticancer property of <i>Bryophyllum pinnata</i> (Lam.) Oken. leaf on human cervical cancer cells. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 15.	3.7	85
75	Tertiary amine-based glutathione peroxidase mimics: some insights into the role of steric and electronic effects on antioxidant activity. <i>Tetrahedron</i> , 2012, 68, 10550-10560.	1.9	33
76	Synthesis, characterization and phosphotriesterase mimetic activity of some Zn(II) and Cu(II) complexes. <i>Journal of Chemical Sciences</i> , 2012, 124, 1301-1313.	1.5	3
77	Regioselective Deiodination of Thyroxine by Iodothyronine Deiodinase Mimics: An Unusual Mechanistic Pathway Involving Cooperative Chalcogen and Halogen Bonding. <i>Journal of the American Chemical Society</i> , 2012, 134, 4269-4279.	13.7	130
78	Deiodination of Thyroid Hormones by Iodothyronine Deiodinase Mimics: Does an Increase in the Reactivity Alter the Regioselectivity?. <i>Journal of the American Chemical Society</i> , 2011, 133, 9980-9983.	13.7	43
79	Interactions of Antithyroid Drugs and Their Analogues with Halogens and their Biological Implications. <i>Crystal Growth and Design</i> , 2011, 11, 2279-2286.	3.0	40
80	Metallo- β -lactamase-Catalyzed Hydrolysis of Cephalosporins: Some Mechanistic Insights into the Effect of Heterocyclic Thiones on Enzyme Activity. <i>Inorganic Chemistry</i> , 2011, 50, 749-756.	4.0	28
81	Bioinorganic and medicinal chemistry: aspects of gold(I)-protein complexes. <i>Dalton Transactions</i> , 2011, 40, 2099.	3.3	110
82	Inhibition of peroxynitrite- and peroxidase-mediated protein tyrosine nitration by imidazole-based thiourea and selenourea derivatives. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7343.	2.8	46
83	Mechanistic investigations on the efficient catalytic decomposition of peroxynitrite by ebselen analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5193.	2.8	32
84	Effect of peptide-based captopril analogues on angiotensin converting enzyme activity and peroxynitrite-mediated tyrosine nitration. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5185.	2.8	14
85	Synthesis, characterization and antioxidant activity of angiotensin converting enzyme inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1356-1365.	2.8	51
86	Structural characterization of angiotensin- α -converting enzyme in complex with a selenium analogue of captopril. <i>FEBS Journal</i> , 2011, 278, 3644-3650.	4.7	33
87	Synthetic Mimics of Selenoproteins. <i>Advanced Topics in Science and Technology in China</i> , 2011, , 207-221.	0.1	1
88	Gold(I)-selenolate complexes: Synthesis, characterization and ligand exchange reactions. <i>Journal of Chemical Sciences</i> , 2011, 123, 783-789.	1.5	6
89	Synthesis and Antioxidant Activity of Peptide-Based Ebselen Analogues. <i>Chemistry - A European Journal</i> , 2011, 17, 4849-4857.	3.3	68
90	Metallo- β -lactamase and phosphotriesterase activities of some zinc(II) complexes. <i>Inorganica Chimica Acta</i> , 2011, 372, 353-361.	2.4	18

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91	Ebselen is a potent non-competitive inhibitor of extracellular nucleoside diphosphokinase. Purinergic Signalling, 2010, 6, 383-391.	2.2	14
92	Antithyroid Drugs and their Analogues Protect Against Peroxynitrite-Mediated Protein Tyrosine Nitration—A Mechanistic Study. Chemistry - A European Journal, 2010, 16, 1175-1185.	3.3	47
93	Hydrolysis of Organophosphate Esters: Phosphotriesterase Activity of Metallo- β -lactamase and Its Functional Mimics. Chemistry - A European Journal, 2010, 16, 8878-8886.	3.3	37
94	A Chemical Model for the Inner-Ring Deiodination of Thyroxine by Iodothyronine Deiodinase. Angewandte Chemie - International Edition, 2010, 49, 9246-9249.	13.8	54
95	Inhibition of peroxidase-catalyzed protein tyrosine nitration by antithyroid drugs and their analogues. Inorganica Chimica Acta, 2010, 363, 2812-2818.	2.4	17
96	Interaction of heterocyclic thiols/thiones eliminated from cephalosporins with iodine and its biological implications. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3692-3697.	2.2	40
97	Synthesis, Structure, Spirocyclization Mechanism, and Glutathione Peroxidase-like Antioxidant Activity of Stable Spirodiazaselenurane and Spirodiazatellurane. Journal of the American Chemical Society, 2010, 132, 5364-5374.	13.7	162
98	Functional Mimics of Glutathione Peroxidase: Bioinspired Synthetic Antioxidants. Accounts of Chemical Research, 2010, 43, 1408-1419.	15.6	462
99	Synthesis and Structure-Activity Correlation Studies of Secondary- and Tertiary-Amine-Based Glutathione Peroxidase Mimics. Chemistry - A European Journal, 2009, 15, 9846-9854.	3.3	68
100	Theoretical Investigation on the Effect of Different Nitrogen Donors on Intramolecular Se \cdots N Interactions. ChemPhysChem, 2009, 10, 3013-3020.	2.1	29
101	Inhibition of Peroxidase-Catalyzed Iodination by Cephalosporins: Metallo- β -lactamase-Induced Antithyroid Activity of Antibiotics. ChemMedChem, 2009, 4, 512-516.	3.2	12
102	Amide-Based Glutathione Peroxidase Mimics: Effect of Secondary and Tertiary Amide Substituents on Antioxidant Activity. Chemistry - an Asian Journal, 2009, 4, 974-983.	3.3	89
103	A Synthetic Model for the Inhibition of Glutathione Peroxidase by Antiarthritic Gold Compounds. Inorganic Chemistry, 2009, 48, 2449-2455.	4.0	31
104	Effect of thione-thiol tautomerism on the inhibition of lactoperoxidase by anti-thyroid drugs and their analogues. Journal of Chemical Sciences, 2008, 120, 143-154.	1.5	45
105	Zinc and antibiotic resistance: metallo- β -lactamases and their synthetic analogues. Journal of Biological Inorganic Chemistry, 2008, 13, 1039-1053.	2.6	42
106	A Simple and Efficient Strategy To Enhance the Antioxidant Activities of Amino-Substituted Glutathione Peroxidase Mimics. Chemistry - A European Journal, 2008, 14, 8640-8651.	3.3	107
107	Antioxidant Activity of the Anti-Inflammatory Compound Ebselen: A Reversible Cyclization Pathway via Selenenic and Seleninic Acid Intermediates. Chemistry - A European Journal, 2008, 14, 10603-10614.	3.3	186
108	Selenium Analogues of Antithyroid Drugs — Recent Developments. Chemistry and Biodiversity, 2008, 5, 414-439.	2.1	39

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109	Antithyroid Drug Carbimazole and Its Analogues: Synthesis and Inhibition of Peroxidase-Catalyzed Iodination of <sc>l</sc>-Tyrosine. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 7313-7317.	6.4	24
110	Thiol cofactors for selenoenzymes and their synthetic mimics. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 965.	2.8	118
111	Selenium Analogues of Anti-Thyroid Drugs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 908-923.	1.6	11
112	Heme Peroxidase-Catalyzed Iodination of Human Angiotensins and the Effect of Iodination on Angiotensin Converting Enzyme Activity. <i>Inorganic Chemistry</i> , 2008, 47, 6569-6571.	4.0	4
113	Redox Regulation of Protein Tyrosine Phosphatase 1B (PTP1B): A Biomimetic Study on the Unexpected Formation of a Sulfenyl Amide Intermediate. <i>Journal of the American Chemical Society</i> , 2007, 129, 8872-8881.	13.7	49
114	Synthesis, Characterization, and Antioxidant Activity of Some Ebselen Analogues. <i>Chemistry - A European Journal</i> , 2007, 13, 4594-4601.	3.3	182
115	Bioinorganic chemistry aspects of the inhibition of thyroid hormone biosynthesis by anti-hyperthyroid drugs. <i>Inorganica Chimica Acta</i> , 2007, 360, 303-316.	2.4	81
116	Interaction of anti-thyroid drugs with iodine: the isolation of two unusual ionic compounds derived from Se-methimazole. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2883.	2.8	21
117	Total Synthesis and Structural Elucidation of Azaspiracid-1. Synthesis-Based Analysis of Originally Proposed Structures and Indication of Their Non-Identity to the Natural Product. <i>Journal of the American Chemical Society</i> , 2006, 128, 2258-2267.	13.7	53
118	Biomimetic Studies on Selenoenzymes: Modeling the Role of Proximal Histidines in Thioredoxin Reductases. <i>Inorganic Chemistry</i> , 2006, 45, 5307-5314.	4.0	29
119	Bioinorganic Chemistry in Thyroid Gland: Effect of Antithyroid Drugs on Peroxidase-Catalyzed Oxidation and Iodination Reactions. <i>Bioinorganic Chemistry and Applications</i> , 2006, 2006, 1-9.	4.1	23
120	Bioinorganic chemistry of anti-thyroid drugs: An unusual formation of a copper (II) complex. <i>Inorganic Chemistry Communication</i> , 2006, 9, 571-574.	3.9	8
121	Horseradish peroxidase inhibition and antioxidant activity of ebselen and related organoselenium compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5334-5338.	2.2	38
122	Thyroid hormone synthesis and anti-thyroid drugs: A bioinorganic chemistry approach. <i>Journal of Chemical Sciences</i> , 2006, 118, 619-625.	1.5	17
123	Antibiotic Resistance: Mono- and Dinuclear Zinc Complexes as Metallo- β -Lactamase Mimics. <i>Chemistry - A European Journal</i> , 2006, 12, 7797-7806.	3.3	38
124	Selenium-containing enzymes in mammals: Chemical perspectives. <i>Journal of Chemical Sciences</i> , 2005, 117, 287-303.	1.5	70
125	Chemistry in Thyroid Gland: Iodothyronine Deiodinases and Anti-Thyroid Drugs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 891-902.	1.6	4
126	Glutathione Peroxidase (GPx)-like Antioxidant Activity of the Organoselenium Drug Ebselen: Unexpected Complications with Thiol Exchange Reactions. <i>Journal of the American Chemical Society</i> , 2005, 127, 11477-11485.	13.7	257

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127	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.	2.8	22
128	Internally stabilized selenocysteine derivatives: syntheses, ⁷⁷ Se NMR and biomimetic studies. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2476.	2.8	53
129	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.	13.7	113
130	Selenol Nitrosation and Se-Nitrososelenol Homolysis: A Reaction Path with Possible Biochemical Implications. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3970-3974.	13.8	23
131	Biomimetic Studies on Anti-Thyroid Drugs and Thyroid Hormone Synthesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 2712-2713.	13.7	115
132	Total Synthesis of the Proposed Azaspiracid-1 Structure, Part 1: Construction of the Enantiomerically Pure C1-C20, C21-C27, and C28-C40 Fragments. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3643-3648.	13.8	90
133	Total Synthesis of the Proposed Azaspiracid-1 Structure, Part 2: Coupling of the C1-C20, C21-C27, and C28-C40 Fragments and Completion of the Synthesis. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3649-3653.	13.8	79
134	Selenenyl iodide: a new substrate for mammalian thioredoxin reductase Electronic supplementary information (ESI) available: additional data. See http://www.rsc.org/suppdata/ob/b3/b302220j/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2848.	2.8	20
135	Intramolecularly Coordinated Diorganyl Ditellurides: Thiol Peroxidase-like Antioxidants. <i>Organometallics</i> , 2002, 21, 884-892.	2.3	95
136	Heteroatom-Directed Aromatic Lithiation: A Versatile Route to the Synthesis of Organochalcogen (Se,) Tj ETQq0 0 0 rgBT /Overlock	15.6	179
137	Biomimetic Studies on Iodothyronine Deiodinase Intermediates: Modeling the Reduction of Selenenyl Iodide by Thiols. <i>ChemBioChem</i> , 2002, 3, 440.	2.6	36
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