Govindasamy Mugesh

List of Publications by Year
in descending order

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146 papers	10,568 citations	41627 51 h-index	39744 98 g-index
173 all docs	173 docs citations	173 times ranked	8469 citing authors

#	Article	IF	Citations
1	A GPx-mimetic copper vanadate nanozyme mediates the release of nitric oxide fromS-nitrosothiols. Faraday Discussions, 2022, 234, 284-303.	1.6	8
2	A Cerium Vanadate Nanozyme with Specific Superoxide Dismutase Activity Regulates Mitochondrial Function and ATP Synthesis in Neuronal Cells. Angewandte Chemie, 2021, 133, 3158-3167.	1.6	58
3	A Cerium Vanadate Nanozyme with Specific Superoxide Dismutase Activity Regulates Mitochondrial Function and ATP Synthesis in Neuronal Cells. Angewandte Chemie - International Edition, 2021, 60, 3121-3130.	7.2	111
4	Antioxidant nanozyme counteracts HIVâ€1 by modulating intracellular redox potential. EMBO Molecular Medicine, 2021, 13, e13314.	3.3	21
5	Targeting the DIO3 enzyme using first-in-class inhibitors effectively suppresses tumor growth: a new paradigm in ovarian cancer treatment. Oncogene, 2021, 40, 6248-6257.	2.6	7
6	Halogen Bonding in the Molecular Recognition of Thyroid Hormones and Their Metabolites by Transport Proteins and Thyroid Hormone Receptors. Journal of the Indian Institute of Science, 2020, 100, 231-247.	0.9	4
7	Halogen Bonding in Biomimetic Deiodination of Thyroid Hormones and their Metabolites and Dehalogenation of Halogenated Nucleosides. ChemBioChem, 2020, 21, 911-923.	1.3	16
8	Modulation of Redox Signaling and Thiol Homeostasis in Red Blood Cells by Peroxiredoxin Mimetics. ACS Chemical Biology, 2020, 15, 2673-2682.	1.6	7
9	Highly Stable Pyrimidine Based Luminescent Copper Nanoclusters with Superoxide Dismutase Mimetic and Nitric Oxide Releasing Activity. ACS Applied Bio Materials, 2020, 3, 7454-7461.	2.3	12
10	Nanoceria-Based Phospholipase-Mimetic Cell Membrane Disruptive Antibiofilm Agents. ACS Applied Bio Materials, 2020, 3, 4316-4328.	2.3	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. Chemistry - A European Journal, 2019, 25, .	1.7	13
13	Application of dehydroalanine as a building block for the synthesis of selenocysteine-containing peptides. RSC Advances, 2019, 9, 34-43.	1.7	13
14	A manganese oxide nanozyme prevents the oxidative damage of biomolecules without affecting the endogenous antioxidant system. Nanoscale, 2019, 11, 3855-3863.	2.8	100
15	Directing Traffic: Halogenâ€Bondâ€Mediated Membrane Transport. Chemistry - A European Journal, 2019, 25, 11180-11192.	1.7	8
16	Modeling Thioredoxin Reductaseâ€Like Activity with Cyclic Selenenyl Sulfides: Participation of an NHâ‹…â‹…â‹…Se Hydrogen Bond through Stabilization of the Mixed Seâ^'S Intermediate. Chemistry - A European Journal, 2019, 25, 12751-12760.	1.7	24
17	CeVO 4 Nanozymes Catalyze the Reduction of Dioxygen to Water without Releasing Partially Reduced Oxygen Species. Angewandte Chemie, 2019, 131, 7879-7883.	1.6	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. Polyhedron, 2019, 172, 198-204.	1.0	8

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19	Crystal-facet-dependent denitrosylation: modulation of NO release fromS-nitrosothiols by Cu₂O polymorphs. Chemical Science, 2019, 10, 5308-5318.	3.7	22
20	Probing the Formation of a Seleninic Acid in Living Cells by the Fluorescence Switching of a Glutathione Peroxidase Mimetic. Angewandte Chemie - International Edition, 2019, 58, 8156-8160.	7.2	39
21	Modelling the Inhibition of Selenoproteins by Small Molecules Using Cysteine and Selenocysteine Derivatives. Chemistry - A European Journal, 2019, 25, 8875-8883.	1.7	12
22	A Single Atom Change Facilitates the Membrane Transport of Green Fluorescent Proteins in Mammalian Cells. Angewandte Chemie, 2019, 131, 7795-7799.	1.6	8
23	A Single Atom Change Facilitates the Membrane Transport of Green Fluorescent Proteins in Mammalian Cells. Angewandte Chemie - International Edition, 2019, 58, 7713-7717.	7.2	21
24	Probing the Formation of a Seleninic Acid in Living Cells by the Fluorescence Switching of a Glutathione Peroxidase Mimetic. Angewandte Chemie, 2019, 131, 8240-8244.	1.6	10
25	CeVO₄ Nanozymes Catalyze the Reduction of Dioxygen to Water without Releasing Partially Reduced Oxygen Species. Angewandte Chemie - International Edition, 2019, 58, 7797-7801.	7.2	67
26	Halogenâ€Mediated Membrane Transport: An Efficient Strategy for the Enhancement of Cellular Uptake of Synthetic Molecules. Chemistry - A European Journal, 2019, 25, 3391-3399.	1.7	11
27	Dehalogenation of Halogenated Nucleobases and Nucleosides by Organoselenium Compounds. Chemistry - A European Journal, 2019, 25, 1773-1780.	1.7	8
28	Understanding the role of oxo and peroxido species in the glutathione peroxidase (GPx)-like activity of metal based nanozymes. Inorganica Chimica Acta, 2019, 484, 283-290.	1.2	12
29	Manganeseâ€Based Nanozymes: Multienzyme Redox Activity and Effect on the Nitric Oxide Produced by Endothelial Nitric Oxide Synthase. Chemistry - A European Journal, 2018, 24, 8393-8403.	1.7	84
30	InnenrÃ¼cktitelbild: Nanoisozymes: Crystalâ€Facetâ€Dependent Enzymeâ€Mimetic Activity of V₂O₅ Nanomaterials (Angew. Chem. 17/2018). Angewandte Chemie, 2018, 130, 4895-4895.	1.6	0
31	Nanoisozymes: Crystalâ€Facetâ€Dependent Enzymeâ€Mimetic Activity of V₂O₅ Nanomaterials. Angewandte Chemie - International Edition, 2018, 57, 4510-4515.	7.2	181
32	Nanoisozymes: Crystalâ€Facetâ€Dependent Enzymeâ€Mimetic Activity of V₂O₅ Nanomaterials. Angewandte Chemie, 2018, 130, 4600-4605.	1.6	65
33	Protein Folding in the Presence of Waterâ€Soluble Cyclic Diselenides with Novel Oxidoreductase and Isomerase Activities. ChemBioChem, 2018, 19, 207-211.	1.3	28
34	An Unusual Twoâ€Step Hydrolysis of Nerve Agents by a Nanozyme. ChemCatChem, 2018, 10, 4826-4831.	1.8	19
35	The Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells. Angewandte Chemie - International Edition, 2018, 57, 8989-8993.	7.2	33
36	The Remarkable Effect of Halogen Substitution on the Membrane Transport of Fluorescent Molecules in Living Cells. Angewandte Chemie, 2018, 130, 9127-9131.	1.6	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.	1.6	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.	1.6	38
40	Graphene Oxide: Structural Updates and Enzyme Mimetic Properties for Biomedical Applications. , 2017, , 15-34.		0
41	A Redox Modulatory Mn₃O₄ Nanozyme with Multiâ€Enzyme Activity Provides Efficient Cytoprotection to Human Cells in a Parkinson's Disease Model. Angewandte Chemie - International Edition, 2017, 56, 14267-14271.	7.2	448
42	A Redox Modulatory Mn₃O₄ Nanozyme with Multiâ€Enzyme Activity Provides Efficient Cytoprotection to Human Cells in a Parkinson's Disease Model. Angewandte Chemie, 2017, 129, 14455-14459.	1.6	102
43	Vacancyâ€Engineered Nanoceria: Enzyme Mimetic Hotspots for the Degradation of Nerve Agents. Angewandte Chemie, 2016, 128, 1434-1438.	1.6	33
44	Titelbild: Chemie und Biologie der SchilddrÃ¼senhormonâ€Biosynthese und â€Wirkung (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	0
45	Conformational Flexibility and Halogen Bonding in Thyroid Hormones and Their Metabolites. Crystal Growth and Design, 2016, 16, 5896-5906.	1.4	11
46	Biomimetic deiodination of thyroid hormones and iodothyronamines â€“ a structureâ€“activity relationship study. Organic and Biomolecular Chemistry, 2016, 14, 9490-9500.	1.5	14
47	Chemie und Biologie der SchilddrÃ¼senhormonâ€Biosynthese und â€Wirkung. Angewandte Chemie, 2016, 128, 7734-7759.	1.6	15
48	Vacancyâ€Engineered Nanoceria: Enzyme Mimetic Hotspots for the Degradation of Nerve Agents. Angewandte Chemie - International Edition, 2016, 55, 1412-1416.	7.2	157
49	Chemistry and Biology in the Biosynthesis and Action of Thyroid Hormones. Angewandte Chemie - International Edition, 2016, 55, 7606-7630.	7.2	149
50	A Remarkably Efficient MnFe₂O₄â€based Oxidase Nanozyme. Chemistry - an Asian Journal, 2016, 11, 72-76.	1.7	103
51	Remarkable Effect of Chalcogen Substitution on an Enzyme Mimetic for Deiodination of Thyroid Hormones. Angewandte Chemie - International Edition, 2015, 54, 7674-7678.	7.2	25
52	Structure Elucidation and Characterization of Different Thyroxine Polymorphs. Angewandte Chemie - International Edition, 2015, 54, 10833-10837.	7.2	33
53	Seleniumâ€Mediated Dehalogenation of Halogenated Nucleosides and its Relevance to the DNA Repair Pathway. Angewandte Chemie - International Edition, 2015, 54, 9298-9302.	7.2	54
54	Substituent Effects on the Stability and Antioxidant Activity of Spirodiazaselenuranes. Molecules, 2015, 20, 12959-12978.	1.7	13

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55	Highly Efficient Glutathione Peroxidase and Peroxiredoxin Mimetics Protect Mammalian Cells against Oxidative Damage. Angewandte Chemie - International Edition, 2015, 54, 8449-8453.	7.2	92
56	Halogen Bonding Controls the Regioselectivity of the Deiodination of Thyroid Hormones and their Sulfate Analogues. Chemistry - A European Journal, 2015, 21, 2409-2416.	1.7	30
57	Unusually Short Chalcogen Bonds Involving Organoselenium: Insights into the Seâ€“N Bond Cleavage Mechanism of the Antioxidant Ebselen and Analogues. Chemistry - A European Journal, 2015, 21, 6793-6800.	1.7	88
58	Introduction of a catalytic triad increases the glutathione peroxidase-like activity of diaryl diselenides. Organic and Biomolecular Chemistry, 2015, 13, 9072-9082.	1.5	24
59	Insights into the catalytic mechanism of synthetic glutathione peroxidase mimetics. Organic and Biomolecular Chemistry, 2015, 13, 10262-10272.	1.5	45
60	Synthesis and Antioxidant Activities of Novel Chiral Ebselen Analogues. Heteroatom Chemistry, 2014, 25, 320-325.	0.4	26
61	An antioxidant nanozyme that uncovers the cytoprotective potential of vanadia nanowires. Nature Communications, 2014, 5, 5301.	5.8	335
62	Iodo(trisyl)sulfane: Reactivity of a Stable Alkanesulfenyl Iodide towards Antithyroid Drugs. European Journal of Inorganic Chemistry, 2014, 2014, 1399-1406.	1.0	7
63	Regioselective Deiodination of Iodothyronamines, Endogenous Thyroid Hormone Derivatives, by Deiodinase Mimics. Chemistry - A European Journal, 2014, 20, 11120-11128.	1.7	24
64	Antithyroid Drugs and Their Analogues: Synthesis, Structure, and Mechanism of Action. Accounts of Chemical Research, 2013, 46, 2706-2715.	7.6	144
65	Glutathione Peroxidase Activity of Ebselen and its Analogues: Some Insights into the Complex Chemical Mechanisms Underlying the Antioxidant Activity. Current Chemical Biology, 2013, 7, 47-56.	0.2	29
66	Se- and S-Based Thiouracil and Methimazole Analogues Exert Different Inhibitory Mechanisms on Type 1 and Type 2 Deiodinases. European Thyroid Journal, 2013, 2, 252-258.	1.2	18
67	Catalytic Reduction of Graphene Oxide Nanosheets by Glutathione Peroxidase Mimetics Reveals a New Structural Motif in Graphene Oxide. Chemistry - A European Journal, 2013, 19, 16699-16706.	1.7	21
68	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
69	The Modified Selenenyl Amide, M-hydroxy Ebselen, Attenuates Diabetic Nephropathy and Diabetes-Associated Atherosclerosis in ApoE/GPx1 Double Knockout Mice. PLoS ONE, 2013, 8, e69193.	1.1	31
70	Spirodiazaselenuranes: synthesis, structure and antioxidant activity. Organic and Biomolecular Chemistry, 2012, 10, 7933.	1.5	33
71	Antioxidant activity of peptide-based angiotensin converting enzyme inhibitors. Organic and Biomolecular Chemistry, 2012, 10, 2237.	1.5	19
72	Shanti Swarup Bhatnagar Prize: G.â€…Mugesh and G.â€…J. Sanjayan / KCSâ€“Wiley Young Chemist Award: I.â€…S.â€…Lee and D.â€H. Min / Heinrich Wieland Prize: C.â€…R. Bertozzi. Angewandte Chemie - International Edition, 2012, 51, 12403-12403.	7.2	0

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73	Heminâ€Functionalized Reduced Graphene Oxide Nanosheets Reveal Peroxynitrite Reduction and Isomerization Activity. Chemistry - A European Journal, 2012, 18, 15122-15132.	1.7	39
74	Anticancer property of Bryophyllum pinnata (Lam.) Oken. leaf on human cervical cancer cells. BMC Complementary and Alternative Medicine, 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. Tetrahedron, 2012, 68, 10550-10560.	1.0	33
76	Synthesis, characterization and phosphotriesterase mimetic activity of some Zn(II) and Cu(II) complexes. Journal of Chemical Sciences, 2012, 124, 1301-1313.	0.7	3
77	Regioselective Deiodination of Thyroxine by Iodothyronine Deiodinase Mimics: An Unusual Mechanistic Pathway Involving Cooperative Chalcogen and Halogen Bonding. Journal of the American Chemical Society, 2012, 134, 4269-4279.	6.6	130
78	Deiodination of Thyroid Hormones by Iodothyronine Deiodinase Mimics: Does an Increase in the Reactivity Alter the Regioselectivity?. Journal of the American Chemical Society, 2011, 133, 9980-9983.	6.6	43
79	Interactions of Antithyroid Drugs and Their Analogues with Halogens and their Biological Implications. Crystal Growth and Design, 2011, 11, 2279-2286.	1.4	40
80	Metallo-Î²-lactamase-Catalyzed Hydrolysis of Cephalosporins: Some Mechanistic Insights into the Effect of Heterocyclic Thiones on Enzyme Activity. Inorganic Chemistry, 2011, 50, 749-756.	1.9	28
81	Bioinorganic and medicinal chemistry: aspects of gold(i)-protein complexes. Dalton Transactions, 2011, 40, 2099.	1.6	110
82	Inhibition of peroxynitrite- and peroxidase-mediated protein tyrosine nitration by imidazole-based thiourea and selenourea derivatives. Organic and Biomolecular Chemistry, 2011, 9, 7343.	1.5	46
83	Mechanistic investigations on the efficient catalytic decomposition of peroxynitrite by ebselen analogues. Organic and Biomolecular Chemistry, 2011, 9, 5193.	1.5	32
84	Effect of peptide-based captopril analogues on angiotensin converting enzyme activity and peroxynitrite-mediated tyrosine nitration. Organic and Biomolecular Chemistry, 2011, 9, 5185.	1.5	14
85	Synthesis, characterization and antioxidant activity of angiotensin converting enzyme inhibitors. Organic and Biomolecular Chemistry, 2011, 9, 1356-1365.	1.5	51
86	Structural characterization of angiotensinâ€ƒlâ€converting enzyme in complex with a selenium analogue of captopril. FEBS Journal, 2011, 278, 3644-3650.	2.2	33
87	Synthetic Mimics of Selenoproteins. Advanced Topics in Science and Technology in China, 2011, , 207-221.	0.0	1
88	Gold(I)-selenolate complexes: Synthesis, characterization and ligand exchange reactions. Journal of Chemical Sciences, 2011, 123, 783-789.	0.7	6
89	Synthesis and Antioxidant Activity of Peptideâ€Based Ebselen Analogues. Chemistry - A European Journal, 2011, 17, 4849-4857.	1.7	68
90	Metallo-Î²-lactamase and phosphotriesterase activities of some zinc(II) complexes. Inorganica Chimica Acta, 2011, 372, 353-361.	1.2	18

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91	Ebselen is a potent non-competitive inhibitor of extracellular nucleoside diphosphokinase. Purinergic Signalling, 2010, 6, 383-391.	1.1	14
92	Antithyroid Drugs and their Analogues Protect Against Peroxynitriteâ€Mediated Protein Tyrosine Nitrationâ€"A Mechanistic Study. Chemistry - A European Journal, 2010, 16, 1175-1185.	1.7	47
93	Hydrolysis of Organophosphate Esters: Phosphotriesterase Activity of Metalloâ€Î²â€lactamase and Its Functional Mimics. Chemistry - A European Journal, 2010, 16, 8878-8886.	1.7	37
94	A Chemical Model for the Innerâ€Ring Deiodination of Thyroxine by Iodothyronine Deiodinase. Angewandte Chemie - International Edition, 2010, 49, 9246-9249.	7.2	54
95	Inhibition of peroxidase-catalyzed protein tyrosine nitration by antithyroid drugs and their analogues. Inorganica Chimica Acta, 2010, 363, 2812-2818.	1.2	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.	1.0	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.	6.6	162
98	Functional Mimics of Glutathione Peroxidase: Bioinspired Synthetic Antioxidants. Accounts of Chemical Research, 2010, 43, 1408-1419.	7.6	462
99	Synthesis and Structureâ€"Activity Correlation Studies of Secondaryâ€and Tertiaryâ€Amineâ€Based Glutathione Peroxidase Mimics. Chemistry - A European Journal, 2009, 15, 9846-9854.	1.7	68
100	Theoretical Investigation on the Effect of Different Nitrogen Donors on Intramolecular Seâ‹…â‹…â‹…N Interactions. ChemPhysChem, 2009, 10, 3013-3020.	1.0	29
101	Inhibition of Peroxidaseâ€Catalyzed Iodination by Cephalosporins: Metalloâ€Î²â€Lactamaseâ€Induced Antithyroid Activity of Antibiotics. ChemMedChem, 2009, 4, 512-516.	1.6	12
102	Amideâ€Based Glutathione Peroxidase Mimics: Effect of Secondary and Tertiary Amide Substituents on Antioxidant Activity. Chemistry - an Asian Journal, 2009, 4, 974-983.	1.7	89
103	A Synthetic Model for the Inhibition of Glutathione Peroxidase by Antiarthritic Gold Compounds. Inorganic Chemistry, 2009, 48, 2449-2455.	1.9	31
104	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
105	Zinc and antibiotic resistance: metallo-Î²-lactamases and their synthetic analogues. Journal of Biological Inorganic Chemistry, 2008, 13, 1039-1053.	1.1	42
106	A Simple and Efficient Strategy To Enhance the Antioxidant Activities of Aminoâ€Substituted Glutathione Peroxidase Mimics. Chemistry - A European Journal, 2008, 14, 8640-8651.	1.7	107
107	Antioxidant Activity of the Antiâ€Inflammatory Compound Ebselen: A Reversible Cyclization Pathway via Selenenic and Seleninic Acid Intermediates. Chemistry - A European Journal, 2008, 14, 10603-10614.	1.7	186
108	Selenium Analogues of Antithyroid Drugs â€" Recent Developments. Chemistry and Biodiversity, 2008, 5, 414-439.	1.0	39

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109	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
110	Thiol cofactors for selenoenzymes and their synthetic mimics. Organic and Biomolecular Chemistry, 2008, 6, 965.	1.5	118
111	Selenium Analogues of Anti-Thyroid Drugs. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 908-923.	0.8	11
112	Heme Peroxidase-Catalyzed Iodination of Human Angiotensins and the Effect of Iodination on Angiotensin Converting Enzyme Activity. Inorganic Chemistry, 2008, 47, 6569-6571.	1.9	4
113	Redox Regulation of Protein Tyrosine Phosphatase 1B (PTP1B):Â A Biomimetic Study on the Unexpected Formation of a Sulfenyl Amide Intermediate. Journal of the American Chemical Society, 2007, 129, 8872-8881.	6.6	49
114	Synthesis, Characterization, and Antioxidant Activity of Some Ebselen Analogues. Chemistry - A European Journal, 2007, 13, 4594-4601.	1.7	182
115	Bioinorganic chemistry aspects of the inhibition of thyroid hormone biosynthesis by anti-hyperthyroid drugs. Inorganica Chimica Acta, 2007, 360, 303-316.	1.2	81
116	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
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. Journal of the American Chemical Society, 2006, 128, 2258-2267.	6.6	53
118	Biomimetic Studies on Selenoenzymes:Â Modeling the Role of Proximal Histidines in Thioredoxin Reductases. Inorganic Chemistry, 2006, 45, 5307-5314.	1.9	29
119	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
120	Bioinorganic chemistry of anti-thyroid drugs: An unusual formation of a copper (II) complex. Inorganic Chemistry Communication, 2006, 9, 571-574.	1.8	8
121	Horseradish peroxidase inhibition and antioxidant activity of ebselen and related organoselenium compounds. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5334-5338.	1.0	38
122	Thyroid hormone synthesis and anti-thyroid drugs: A bioinorganic chemistry approach. Journal of Chemical Sciences, 2006, 118, 619-625.	0.7	17
123	Antibiotic Resistance: Mono- and Dinuclear Zinc Complexes as Metallo-Î²-Lactamase Mimics. Chemistry - A European Journal, 2006, 12, 7797-7806.	1.7	38
124	Selenium-containing enzymes in mammals: Chemical perspectives. Journal of Chemical Sciences, 2005, 117, 287-303.	0.7	70
125	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
126	Glutathione Peroxidase (GPx)-like Antioxidant Activity of the Organoselenium Drug Ebselen:Â Unexpected Complications with Thiol Exchange Reactions. Journal of the American Chemical Society, 2005, 127, 11477-11485.	6.6	257

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127	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
128	Internally stabilized selenocysteine derivatives: syntheses, 77Se NMR and biomimetic studies. Organic and Biomolecular Chemistry, 2005, 3, 2476.	1.5	53
129	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
130	Selenol Nitrosation andSe-Nitrososelenol Homolysis: A Reaction Path with Possible Biochemical Implications. Angewandte Chemie - International Edition, 2004, 43, 3970-3974.	7.2	23
131	Biomimetic Studies on Anti-Thyroid Drugs and Thyroid Hormone Synthesis. Journal of the American Chemical Society, 2004, 126, 2712-2713.	6.6	115
132	Total Synthesis of the Proposed Azaspiracid-1 Structure, Part 1: Construction of the Enantiomerically Pure C1â€“C20, C21â€“C27, and C28â€“C40 Fragments. Angewandte Chemie - International Edition, 2003, 42, 3643-3648.	7.2	90
133	Total Synthesis of the Proposed Azaspiracid-1 Structure, Part 2: Coupling of the C1â€“C20, C21â€“C27, and C28â€“C40 Fragments and Completion of the Synthesis. Angewandte Chemie - International Edition, 2003, 42, 3649-3653.	7.2	79
134	Selenenyl iodide: a new substrate for mammalian thioredoxin reductaseElectronic supplementary information (ESI) available: additional data. See http://www.rsc.org/suppdata/ob/b3/b302220j/. Organic and Biomolecular Chemistry, 2003, 1, 2848.	1.5	20
135	Intramolecularly Coordinated Diorganyl Ditellurides:Â Thiol Peroxidase-like Antioxidants. Organometallics, 2002, 21, 884-892.	1.1	95
136	Heteroatom-Directed Aromatic Lithiation:â€‰ A Versatile Route to the Synthesis of Organochalcogen (Se,) Tj ETQq0 0 0 rgBT /Overlock	7.6	179
137	Biomimetic Studies on Iodothyronine Deiodinase Intermediates: Modeling the Reduction of Selenenyl Iodide by Thiols. ChemBioChem, 2002, 3, 440.	1.3	36
138	Methyl 2-selenocyanatobenzoate. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1298-o1300.	0.2	5
139	Glutathione Peroxidase-like Antioxidant Activity of Diaryl Diselenides:Â A Mechanistic Study. Journal of the American Chemical Society, 2001, 123, 839-850.	6.6	320
140	Chemistry of Biologically Important Synthetic Organoselenium Compounds. Chemical Reviews, 2001, 101, 2125-2180.	23.0	1,478
141	Tuning seleniumî—¸iodine contacts: from secondary softâ€“soft interactions to covalent bonds. Journal of Organometallic Chemistry, 2001, 623, 14-28.	0.8	67
142	Structure-Activity Correlation between Natural Glutathione Peroxidase (GPx) and Mimics: A Biomimetic Concept for the Design and Synthesis of More Efficient GPx Mimics. Chemistry - A European Journal, 2001, 7, 1365-1370.	1.7	149
143	Reactions of Organoselenenyl Iodides with Thiouracil Drugs: An Enzyme Mimetic Study on the Inhibition of Iodothyronine Deiodinase. Angewandte Chemie - International Edition, 2001, 40, 2486-2489.	7.2	74
144	Synthetic organoselenium compounds as antioxidants: glutathione peroxidase activity. Chemical Society Reviews, 2000, 29, 347-357.	18.7	606

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145	Intramolecular Seâ‹…â‹…â‹…N Nonbonding Interactions in Low-Valent Organoselenium Derivatives: A Detailed Study by1H and77Se NMR Spectroscopy and X-Ray Crystallography. Chemistry - A European Journal, 1999, 5, 1411-1421.	1.7	124
146	Synthesis, Structure, and Reactivity of Organochalcogen (Se, Te) Compounds Derived from 1-(N,N-Dimethylamino)naphthalene and N,N-Dimethylbenzylamine. Organometallics, 1999, 18, 1986-1993.	1.1	115