

# Eric Block

## List of Publications by Year in descending order

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37204

96  
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252  
all docs

252  
docs citations

252  
times ranked

6271  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Organosulfur Chemistry of the Genus <i>Allium</i> – Implications for the Organic Chemistry of Sulfur. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1135-1178.	4.4	914
2	The Chemistry of Garlic and Onions. <i>Scientific American</i> , 1985, 252, 114-118.	1.0	730
3	Encoding social signals in the mouse main olfactory bulb. <i>Nature</i> , 2005, 434, 470-477.	27.8	386
4	The chemistry of alkyl thiosulfinate esters. 9. Antithrombotic organosulfur compounds from garlic: structural, mechanistic, and synthetic studies. <i>Journal of the American Chemical Society</i> , 1986, 108, 7045-7055.	13.7	313
5	Chemical Speciation Influences Comparative Activity of Selenium-Enriched Garlic and Yeast in Mammary Cancer Prevention. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 2062-2070.	5.2	268
6	Allium chemistry: HPLC analysis of thiosulfinates from onion, garlic, wild garlic (ramsoms), leek, scallion, shallot, elephant (great-headed) garlic, chive, and Chinese chive. Uniquely high allyl to methyl ratios in some garlic samples. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 2418-2430.	5.2	257
7	The chemistry of alkyl thiosulfate esters. 8. (E,Z)-Ajoene: a potent antithrombotic agent from garlic. <i>Journal of the American Chemical Society</i> , 1984, 106, 8295-8296.	13.7	253
8	Selenium speciation in enriched and natural samples by HPLC-ICP-MS and HPLC-ESI-MS with perfluorinated carboxylic acid ion-pairing agents. <i>Analyst</i> , 2000, 125, 71-78.	3.5	233
9	Allium Chemistry: Identification of Selenoamino Acids in Ordinary and Selenium-Enriched Garlic, Onion, and Broccoli Using Gas Chromatography with Atomic Emission Detection. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1754-1757.	5.2	148
10	o-Lithiothiophenol equivalents. Generation, reactions and applications in synthesis of hindered thiolate ligands. <i>Journal of the American Chemical Society</i> , 1989, 111, 658-665.	13.7	146
11	Effect of Raw Garlic vs Commercial Garlic Supplements on Plasma Lipid Concentrations in Adults With Moderate Hypercholesterolemia. <i>Archives of Internal Medicine</i> , 2007, 167, 346.	3.8	145
12	Allium chemistry: GC-MS analysis of thiosulfinates and related compounds from onion, leek, scallion, shallot, chive, and Chinese chive. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 2431-2438.	5.2	142
13	2-Phosphino- and 2-phosphinylbenzenethiols: new ligand types. <i>Journal of the American Chemical Society</i> , 1989, 111, 2327-2329.	13.7	138
14	High-performance liquid chromatography of selenium compounds utilizing perfluorinated carboxylic acid ion-pairing agents and inductively coupled plasma and electrospray ionization mass spectrometric detection. <i>Journal of Chromatography A</i> , 2000, 866, 51-63.	3.7	137
15	Chemistry of alkyl thiosulfinate esters. VII. Mechanistic studies and synthetic applications. <i>Journal of the American Chemical Society</i> , 1974, 96, 3929-3944.	13.7	127
16	Speciation of Selenoamino Acids and Organoselenium Compounds in Selenium-enriched Yeast Using High-performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 785-788.	3.0	125
17	Lipoxygenase inhibitors from the essential oil of garlic. Markovnikov addition of the allyldithio radical to olefins. <i>Journal of the American Chemical Society</i> , 1988, 110, 7813-7827.	13.7	123
18	Identification of the principal selenium compounds in selenium-enriched natural sample extracts by ion-pair liquid chromatography with inductively coupled plasma- and electrospray ionization-mass spectrometric detection. <i>Analytical Communications</i> , 1999, 36, 249-252.	2.2	112

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19	.alpha.-Haloalkanesulfonyl bromides in organic synthesis. 5. Versatile reagents for the synthesis of conjugated polyenes, enones, and 1,3-oxathiole 1,1-dioxides. <i>Journal of the American Chemical Society</i> , 1986, 108, 4568-4580.	13.7	111
20	Applications of Direct Analysis in Real Time Mass Spectrometry (DART-MS) in Allium Chemistry. 2-Propenesulfenic and 2-Propenesulfinic Acids, Diallyl Trisulfane <i>S</i> -Oxide, and Other Reactive Sulfur Compounds from Crushed Garlic and Other Alliums. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 4617-4625.	5.2	111
21	The chemistry of mixed organosulfur-silicon compounds. <i>Tetrahedron</i> , 1988, 44, 281-324.	1.9	109
22	Chemistry of alkyl thiosulfinate esters. VI. Preparation and spectral studies. <i>Journal of the American Chemical Society</i> , 1974, 96, 3921-3929.	13.7	108
23	High-performance liquid chromatography of selenoamino acids and organo selenium compounds. <i>Journal of Chromatography A</i> , 1997, 789, 349-359.	3.7	107
24	Sulfine. <i>Journal of the American Chemical Society</i> , 1976, 98, 1264-1265.	13.7	105
25	Steric control of aggregation in neutral silver(I) thiolates, [AgSR] <sub>n</sub> . Crystal and molecular structures of [AgSCH(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>8</sub> , a discrete molecular biscycle of weakly interacting [AgSCH(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>4</sub> units, and of [AgSC(SiPhMe <sub>2</sub> ) <sub>3</sub> ] <sub>3</sub> and [AgSC(SiMe <sub>3</sub> ) <sub>3</sub> ] <sub>4</sub> , discrete molecular monocycles containing linearly coordinated silver(I) and doubly bridging mercapto sulfur donors from novel sterically hindered thiolate ligands. A comparison with the nonmolecular structure of [Ag <sub>4</sub> {SCH <sub>2</sub> (SiMe <sub>3</sub> ) <sub>3</sub> ] <sub>n</sub> . <i>Inorganic Chemistry</i> , 1987, 26, 1488-1497.	4.0	105
26	Crucial role of copper in detection of metal-coordinating odorants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3492-3497.	7.1	104
27	Allium Chemistry: Synthesis and Sigmatropic Rearrangements of Alk(en)yl 1-Propenyl Disulfide S-Oxides from Cut Onion and Garlic. <i>Journal of the American Chemical Society</i> , 1996, 118, 2799-2810.	13.7	92
28	Flash vacuum pyrolysis studies. 5. Methanesulfenic acid. <i>Journal of the American Chemical Society</i> , 1978, 100, 3622-3623.	13.7	87
29	Die Organoschwefelchemie der Gattung <i>Allium</i> und ihre Bedeutung für die organische Chemie des Schwefels. <i>Angewandte Chemie</i> , 1992, 104, 1158-1203.	2.0	85
30	Coordination chemistry of sterically hindered thiolate ligands. Preparation and structural characterization of the oligomeric homoleptic complexes [o-trimethylsilylbenzenethiolato]copper dodecamer and [o-trimethylsilylbenzenethiolato]silver octamer and a comparison to the structure of the cadmium mononuclear species (Et <sub>4</sub> N) <sub>2</sub> [Cd(SC <sub>6</sub> H <sub>4</sub> -o-SiMe <sub>3</sub> ) <sub>4</sub> ]. <i>Inorganic Chemistry</i> , 1989, 28, 1263-1271.	4.0	84
31	Applications of Direct Analysis in Real Time Mass Spectrometry (DART-MS) in Allium Chemistry. (Z)-Butanethial S-Oxide and 1-Butenyl Thiosulfates and Their S-(E)-1-Butenylcysteine S-Oxide Precursor from <i>Allium sicutum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1121-1128.	5.2	84
32	Sulfur-bridged carbocycles. II. Extrusion of the sulfur bridge. <i>Journal of Organic Chemistry</i> , 1969, 34, 1233-1240.	3.2	82
33	3- and 3,6-Silylated 2-Pyridinethiols: New Hindered Bidentate Ligands and Their Novel Silver and Copper Clusters. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1342-1344.	4.4	81
34	Allium Chemistry: Identification of Natural Abundance Organoselenium Compounds in Human Breath after Ingestion of Garlic Using Gas Chromatography with Atomic Emission Detection. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1751-1753.	5.2	79
35	Implausibility of the vibrational theory of olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2766-74.	7.1	76
36	Allium Chemistry: Supercritical Fluid Extraction and LC-APCI-MS of Thiosulfates and Related Compounds from Homogenates of Garlic, Onion, and Ramp. Identification in Garlic and Ramp and Synthesis of 1-Propanesulfinothioic Acid S-Allyl Ester. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 4406-4413.	5.2	74

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37	New Synthetic Approaches to Symmetrical Sulfur-Bridged Carbocycles. <i>Journal of Organic Chemistry</i> , 1966, 31, 1663-1668.	3.2	73
38	Flash vacuum pyrolysis studies. 9. Photoelectron spectra and molecular properties. 101. Synthesis and thermal decomposition of 1,3-dithietane and its S-oxides. <i>Journal of the American Chemical Society</i> , 1982, 104, 3119-3130.	13.7	73
39	Inhibition of soybean lipoxygenase and mouse skin tumor promotion by onion and garlic components. <i>Journal of Biochemical Toxicology</i> , 1989, 4, 151-160.	0.4	73
40	Identification of selenium species in selenium-enriched garlic, onion and broccoli using high-performance ion chromatography with inductively coupled plasma mass spectrometry detection. <i>Analytical Communications</i> , 1996, 33, 279.	2.2	73
41	Mercury(II) and methylmercury(II) complexes of novel sterically hindered thiolates: carbon-13 and mercury-199 NMR studies and the crystal and molecular structures of [MeHg(SC <sub>6</sub> H <sub>2</sub> -2,4,6-Pr-iso <sub>3</sub> )], [Hg(SC <sub>6</sub> H <sub>4</sub> -2-SiMe <sub>3</sub> ) <sub>2</sub> ], [Hg(2-SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>3</sub> ) <sub>2</sub> ], and [Hg{(2-SC <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> SiMe <sub>2</sub> }] <sub>2</sub> . <i>Inorganic Chemistry</i> , 1990, 29, 3172-3181.	4.0	71
42	Allium Chemistry: A Synthesis, Natural Occurrence, Biological Activity, and Chemistry of Se-Alk(enyl)selenocysteines and Their $\beta$ -Glutamyl Derivatives and Oxidation Products. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 458-470.	5.2	70
43	Organosulfur chemistry of garlic and onion: Recent results. <i>Pure and Applied Chemistry</i> , 1993, 65, 625-632.	1.9	69
44	Allium Chemistry: A Microwave Spectroscopic Identification, Mechanism of Formation, Synthesis, and Reactions of (E,Z)-Propanethial S-Oxide, the Lachrymatory Factor of the Onion ( <i>Allium cepa</i> ). <i>Journal of the American Chemical Society</i> , 1996, 118, 7492-7501.	13.7	69
45	Flash vacuum pyrolysis studies. 7. Structure and origin of the onion lachrymatory factor. A microwave study. <i>Journal of the American Chemical Society</i> , 1979, 101, 2200-2201.	13.7	68
46	Zwiebelanes: novel biologically active 2,3-dimethyl-5,6-dithiabicyclo[2.1.1]hexane 5-oxides from onion. <i>Journal of the American Chemical Society</i> , 1989, 111, 3085-3086.	13.7	67
47	Synthesis, Properties, Oxidation, and Electrochemistry of 1,2-Dichalcogenins. <i>Journal of the American Chemical Society</i> , 2000, 122, 5052-5064.	13.7	67
48	Carbon-13 and oxygen-17 nuclear magnetic resonance studies of organosulfur compounds: the four-membered ring sulfone effect. <i>Journal of Organic Chemistry</i> , 1980, 45, 4807-4810.	3.2	65
49	Analytical selenoamino acid studies by chromatography with interfaced atomic mass spectrometry and atomic emission spectral detection. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 362, 447-456.	1.5	65
50	Smelling Sulfur: Copper and Silver Regulate the Response of Human Odorant Receptor OR2T11 to Low-Molecular-Weight Thiols. <i>Journal of the American Chemical Society</i> , 2016, 138, 13281-13288.	13.7	60
51	Allium chemistry: Identification of natural abundance organoselenium volatiles from garlic, elephant garlic, onion, and Chinese chive using headspace gas chromatography with atomic emission detection. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 2081-2084.	5.2	59
52	Characterization of selenium species in biological extracts by enhanced ion-pair liquid chromatography with inductively coupled plasma-mass spectrometry and by referenced electrospray ionization-mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 1573-1591.	2.9	59
53	The chemistry of sulfines. 13. 2-Thiabicyclo[2.2.1]hept-5-ene and its S-oxides and 3-alkyl derivatives: sulfine and sulfene cyclopentadiene Diels-Alder adducts. Conversion of the cyclopentadiene-sulfine adducts into 2-oxa-3-thiabicyclo[3.3.0]oct-7-enes, novel bicyclic sultenes. <i>Journal of Organic Chemistry</i> , 1987, 52, 809-818.	3.2	58
54	1,2-Dichalcogenins: Simple Syntheses of 1,2-Diselenins, 1,2-Dithiins, and 2-Selenathiin. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1604-1607.	13.8	58

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55	Total Synthesis of Thiarubrine B [3-(3-Buten-1-ynyl)-6-(1,3-pentadiynyl)-1,2-dithiin], the Antibiotic Principle of Giant Ragweed ( <i>Ambrosia trifida</i> ). <i>Journal of the American Chemical Society</i> , 1994, 116, 9403-9404.	13.7	57
56	Molecular mechanism of activation of human musk receptors OR5AN1 and OR1A1 by ( <i>i&gt;R&lt;/i&gt;</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 Sciences of the United States of America, 2018, 115, E3950-E3958.	7.1	57
57	Allenyl chloromethyl sulfones, new dienophile-diene synthons. A simple iterative ring-growing procedure. <i>Journal of the American Chemical Society</i> , 1990, 112, 4072-4074.	13.7	56
58	Synthesis, Structure, and Chemistry of New, Mixed Group 14 and 16 Heterocycles:Â Nucleophile-Induced Ring Contraction of Mesocyclic Dications. <i>Journal of the American Chemical Society</i> , 2006, 128, 14949-14961.	13.7	56
59	Chemistry of alkyl thiosulfinate esters. II. Sulfenic acids from dialkyl thiosulfinate esters. <i>Journal of the American Chemical Society</i> , 1972, 94, 642-644.	13.7	55
60	Preparations, structures and reactions of molybdenum complexes of triorgano silylated pyridine-2-thiols. <i>Inorganic Chemistry</i> , 1991, 30, 1736-1747.	4.0	54
61	Onion ( <i>Allium cepa</i> L.) Thiosulfinates Respond to Increasing Sulfur Fertility. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 2085-2088.	5.2	54
62	Element selective characterization of stability and reactivity of selenium species in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 65.	3.0	54
63	Identification and Synthesis of a Novel Seleniumâ”Sulfur Amino Acid Found in Selenized Yeast:Â Rapid Indirect Detection NMR Methods for Characterizing Low-Level Organoselenium Compounds in Complex Matrices. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3761-3771.	5.2	53
64	Silacyclobutenes: a simple synthesis. <i>Journal of the American Chemical Society</i> , 1978, 100, 1630-1632.	13.7	52
65	Flash vacuum pyrolysis studies. 6. Allene episulfide. <i>Journal of the American Chemical Society</i> , 1978, 100, 7436-7437.	13.7	52
66	The lachrymatory factor of the onion: an NMR study. <i>Tetrahedron Letters</i> , 1980, 21, 1277-1280.	1.4	52
67	1,3-Dithietane. <i>Journal of the American Chemical Society</i> , 1976, 98, 5715-5717.	13.7	51
68	The chemistry of sulfines. 6. Dimer of the onion lachrymatory factor: the first stable 1,2-dithietane derivative. <i>Journal of the American Chemical Society</i> , 1980, 102, 2490-2491.	13.7	51
69	Photoelektronenâ€”Spektrum von H<sub>2</sub>C<sub>2</sub>Si<sub>3</sub>O. <i>Angewandte Chemie</i> , 1976, 88, 380-381.	2.0	48
70	A new sulfene synthesis. <i>Tetrahedron Letters</i> , 1982, 23, 4203-4206.	1.4	46
71	Gas-phase determination of the geometric requirements of the silicon .beta.-effect. Photoelectron and Penning ionization electron spectroscopic study of silylthiiranes and -oxiranes. Synthesis and chemistry of trans-2,3-bis(trimethylsilyl)thiirane. <i>Journal of the American Chemical Society</i> , 1988, 110, 4748-4753.	13.7	44
72	(Z,Z)-d,l-2,3-Dimethyl-1,4-butanedithial S,S'-dioxide: a novel biologically active organosulfur compound from onion. Formation of vic-disulfoxides in onion extracts. <i>Journal of the American Chemical Society</i> , 1990, 112, 4584-4585.	13.7	43

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73	Localizing the Chemical Forms of Sulfur in Vivo Using X-ray Fluorescence Spectroscopic Imaging: Application to Onion ( <i>Allium cepa</i> ) Tissues. <i>Biochemistry</i> , 2009, 48, 6846-6853.	2.5	43
74	Molecular Basis of Mammalian Odor Discrimination: A Status Report. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13346-13366.	5.2	43
75	Allium chemistry: Natural abundance of organoselenium compounds from garlic, onion and related plants and in human garlic breath. <i>Pure and Applied Chemistry</i> , 1996, 68, 937-944.	1.9	42
76	The Sulfur Chemistry of Shiitake Mushroom. <i>Journal of the American Chemical Society</i> , 2004, 126, 458-459.	13.7	42
77	Allium chemistry: identification of organosulfur compounds in ramp ( <i>allium tricoccum</i> ) homogenates Dedicated with best wishes to Professor G. H. Neil Towers on the occasion of his 75th birthday.. <i>Phytochemistry</i> , 1998, 49, 359-364.	2.9	41
78	Photoelectron Spectrum of H <sub>2</sub> C=S <sub>2</sub> O. <i>Angewandte Chemie International Edition in English</i> , 1976, 15, 383-384.	4.4	39
79	Catalytic disproportionation and reduction of hydrazine by sulfur-ligated molybdenum(IV) complexes. Characterization of the catalytic precursor [(2-SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>3</sub> )Cl <sub>2</sub> Mo(μ-S <sub>2</sub> )(μ-2-SC <sub>5</sub> H <sub>3</sub> NH-3-SiMe <sub>3</sub> )MoCl <sub>2</sub> (2-SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>3</sub> )] <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 1992, 114, 758-759.	13.7	39
80	Reduction of Permanganate by Thioanisole: A Lewis Acid Catalysis. <i>Journal of Organic Chemistry</i> , 2000, 65, 1008-1015.	3.2	39
81	The crystal and molecular structure of a tetranuclear copper thiolate cluster, [Cu{SC <sub>6</sub> H <sub>3</sub> -2,6-(SiMe <sub>3</sub> ) <sub>2</sub> }] <sub>4</sub> . <i>Inorganica Chimica Acta</i> , 1990, 167, 147-148.	2.4	38
82	Pro-angiogenesis action of arsenic and its reversal by selenium-derived compounds. <i>Carcinogenesis</i> , 2006, 28, 962-967.	2.8	38
83	Liquid sulfur as a reagent: synthesis of polysulfanes with 20 or more sulfur atoms with characterization by UPLC-(Ag <sup>+</sup> )-coordination ion spray-MS. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 55-66.	2.0	38
84	Off-Line Supercritical Fluid Extraction of Thiosulfinates from Garlic and Onion. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 1335-1341.	5.2	37
85	Allium Chemistry: Structure, Synthesis, Natural Occurrence in Onion ( <i>Allium cepa</i> ), and Reactions of 2,3-Dimethyl-5,6-dithiabicyclo[2.1.1]hexane S-Oxides. <i>Journal of the American Chemical Society</i> , 1996, 118, 2790-2798.	13.7	37
86	Photochemistry of Thiarubrine A and Other 1,2-Dithiins: Formation of 2,6-Dithiabicyclo[3.1.0]hex-3-enes. <i>Journal of the American Chemical Society</i> , 1996, 118, 4719-4720.	13.7	37
87	Synthesis and structural characterization of cyclo-pentakis [bis(¼-trimethylsilylthiomethane)nickel(II)], [Ni(SCH <sub>2</sub> SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>5</sub> , a pentametallic tiara structure. <i>Polyhedron</i> , 1988, 7, 1397-1399.	2.2	36
88	Complexes of group 15 metals with sterically hindered thiolate ligands. Crystal and molecular structures of [Sb(2-SC <sub>5</sub> H <sub>4</sub> N) <sub>3</sub> ], [Sb(2-SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>3</sub> ) <sub>3</sub> ], and [Bi(2-SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>3</sub> ) <sub>3</sub> ]. <i>Inorganic Chemistry</i> , 1991, 30, 4784-4788.	4.0	36
89	Allium Chemistry: Synthesis of 1-[Alk(en)ylsulfinyl]propyl Alk(en)yl Disulfides (Cepaenes), Antithrombotic Flavorants from Homogenates of Onion ( <i>Allium cepa</i> ). <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 4414-4422.	5.2	36
90	The syn-effect in sulfines and carbonyl oxides: Conformational preferences of CH <sub>3</sub> CHSO and CH <sub>3</sub> CHOO. <i>Tetrahedron Letters</i> , 1981, 22, 29-32.	1.4	35



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91	Complexes of Ni(II) with sterically-hindered thiolate ligands. Crystal structures of complexes with the [NiS <sub>2</sub> N <sub>2</sub> ], [NiS <sub>2</sub> P <sub>2</sub> ] and [NiS <sub>2</sub> O <sub>2</sub> ] cores. <i>Inorganica Chimica Acta</i> , 1991, 188, 7-13.	2.4	35
92	Simple Total Syntheses of Biologically Active Pentathiadecane Natural Products, 2,4,5,7,9-Pentathiadecane 2,2,9,9-Tetraoxide (Dysoxysulfone), from <i>Dysoxylum richii</i> , and 2,3,5,7,9-Pentathiadecane 9,9-Dioxide, the Misidentified Lenthionine Precursor SE-3 from Shiitake Mushroom ( <i>Lentinus edodes</i> ). <i>Journal of Organic Chemistry</i> , 1994, 59, 2273-2275.	3.2	35
93	Silver(I) clusters of the sterically-hindered bidentate ligand, 3-(dimethylphenyl)silyl-2-pyridinethiol. The crystal and molecular structures of [Ag(SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>2</sub> ,Ph) <sub>6</sub> ] and [Ag <sub>8</sub> (SC <sub>5</sub> H <sub>3</sub> N-3-SiMe <sub>2</sub> Ph) <sub>6</sub> ][Ag(NO <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> ·2C <sub>2</sub> H <sub>5</sub> OH·CH <sub>2</sub> Cl <sub>2</sub> . <i>Polyhedron</i> , 1990, 9, 1429-1432.	2.2	34
94	Serendipitous synthesis of alkyl trimethylsilyldithioformates by trapping of bis(trimethylsilyl)thione with alkanesulfenic acids. Synthesis of bis- and tris(trimethylsilyl)methanethiols.. <i>Tetrahedron Letters</i> , 1985, 26, 2259-2262.	1.4	33
95	The role of metals in mammalian olfaction of low molecular weight organosulfur compounds. <i>Natural Product Reports</i> , 2017, 34, 529-557.	10.3	33
96	Chemistry of sulfines. 12. Unusually facile thio-Claisen rearrangement of 1-alkenyl 2-alkenyl sulfoxides: a new sulfine synthesis. <i>Journal of the American Chemical Society</i> , 1985, 107, 6731-6732.	13.7	32
97	Fifty years of smelling sulfur. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 158-207.	2.0	32
98	QM/MM Model of the Mouse Olfactory Receptor MOR244-3 Validated by Site-Directed Mutagenesis Experiments. <i>Biophysical Journal</i> , 2014, 107, L5-L8.	0.5	32
99	Organosulfur compounds in organic synthesis. 1. Bromomethanesulfonyl bromide in organic synthesis. Formation and base-induced reactions of .alpha.,.beta.-unsaturated halomethyl sulfones. <i>Journal of the American Chemical Society</i> , 1983, 105, 6164-6165.	13.7	31
100	.alpha.-Haloalkanesulfonyl bromides in organic synthesis. 3. .alpha.-Alkylidene ketones and 1,3-oxathiole 3,3-dioxides from trimethylsilyl enol ethers. <i>Journal of Organic Chemistry</i> , 1984, 49, 3664-3666.	3.2	31
101	In pursuit of cyclopropanethione: cyclopropanethione S-oxide and S,S-dioxide. <i>Journal of the American Chemical Society</i> , 1992, 114, 3492-3499.	13.7	30
102	Supercritical Fluid Chromatography of Garlic ( <i>Allium sativum</i> ) Extracts with Mass Spectrometric Identification of Allicin. <i>Journal of Chromatographic Science</i> , 1994, 32, 93-96.	1.4	30
103	Synthesis and Structural Characterization of Neutral Silver(I) Complexes with Arenephosphinothiols. Crystal Structures of [Ag <sub>4</sub> {2-(Ph <sub>2</sub> P)-6-(Me <sub>3</sub> Si)C <sub>6</sub> H <sub>6</sub> S} <sub>4</sub> ] and [Ag <sub>4</sub> {2-(Ph <sub>2</sub> PO)-6-(Me <sub>3</sub> Si)C <sub>6</sub> H <sub>3</sub> S} <sub>4</sub> ]. <i>Inorganic Chemistry</i> , 1999, 38, 538-544.	4.0	30
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