

# Ming Xian

## List of Publications by Year in descending order

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146  
papers

11,568  
citations

31976

53  
h-index

29157

104  
g-index

153  
all docs

153  
docs citations

153  
times ranked

9523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric Oxide Donors: Chemical Activities and Biological Applications. <i>Chemical Reviews</i> , 2002, 102, 1091-1134.	47.7	1,176
2	Chemical probes for molecular imaging and detection of hydrogen sulfide and reactive sulfur species in biological systems. <i>Chemical Society Reviews</i> , 2015, 44, 4596-4618.	38.1	885
3	Reactive cysteine persulfides and S-polythiolation regulate oxidative stress and redox signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7606-7611.	7.1	757
4	Capture and Visualization of Hydrogen Sulfide by a Fluorescent Probe. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10327-10329.	13.8	527
5	Redox chemistry and chemical biology of H <sub>2</sub> S, hydropersulfides, and derived species: Implications of their possible biological activity and utility. <i>Free Radical Biology and Medicine</i> , 2014, 77, 82-94.	2.9	340
6	Hydrogen sulfide (H <sub>2</sub> S) releasing agents: chemistry and biological applications. <i>Chemical Communications</i> , 2014, 50, 11788-11805.	4.1	291
7	A Single Fluorescent Probe to Visualize Hydrogen Sulfide and Hydrogen Polysulfides with Different Fluorescence Signals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9993-9996.	13.8	253
8	Detection of Protein Sulfhydration by a Tag-Switch Technique. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 575-581.	13.8	231
9	Cysteine-Activated Hydrogen Sulfide (H <sub>2</sub> S) Donors. <i>Journal of the American Chemical Society</i> , 2011, 133, 15-17.	13.7	225
10	pH-Controlled Hydrogen Sulfide Release for Myocardial Ischemia-Reperfusion Injury. <i>Journal of the American Chemical Society</i> , 2016, 138, 6336-6339.	13.7	207
11	Fluorescent Probes Based on Nucleophilic Substitution-Cyclization for Hydrogen Sulfide Detection and Bioimaging. <i>Chemistry - A European Journal</i> , 2014, 20, 1010-1016.	3.3	204
12	Rational Design and Bioimaging Applications of Highly Selective Fluorescence Probes for Hydrogen Polysulfides. <i>Journal of the American Chemical Society</i> , 2014, 136, 7257-7260.	13.7	200
13	New fluorescent probes for sulfane sulfurs and the application in bioimaging. <i>Chemical Science</i> , 2013, 4, 2892.	7.4	199
14	Lysosomal-Targeted Two-Photon Fluorescent Probe to Sense Hypochlorous Acid in Live Cells. <i>Analytical Chemistry</i> , 2017, 89, 10384-10390.	6.5	191
15	Improved tag-switch method reveals that thioredoxin acts as depersulfidase and controls the intracellular levels of protein persulfidation. <i>Chemical Science</i> , 2016, 7, 3414-3426.	7.4	175
16	The Development of Fluorescent Probes for Visualizing Intracellular Hydrogen Polysulfides. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13961-13965.	13.8	165
17	A General Strategy for Development of Near-Infrared Fluorescent Probes for Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16611-16615.	13.8	162
18	Controllable Hydrogen Sulfide Donors and Their Activity against Myocardial Ischemia-Reperfusion Injury. <i>ACS Chemical Biology</i> , 2013, 8, 1283-1290.	3.4	150

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19	Novel H <sub>2</sub> S-Releasing hydrogel for wound repair via in situ polarization of M2 macrophages. <i>Biomaterials</i> , 2019, 222, 119398.	11.4	126
20	Light-Induced Hydrogen Sulfide Release from "Caged"gem-Dithiols. <i>Organic Letters</i> , 2013, 15, 2786-2789.	4.6	120
21	Folic acid-conjugated carbon dots as green fluorescent probes based on cellular targeting imaging for recognizing cancer cells. <i>RSC Advances</i> , 2017, 7, 42159-42167.	3.6	111
22	Folic acid-conjugated green luminescent carbon dots as a nanoprobe for identifying folate receptor-positive cancer cells. <i>Talanta</i> , 2018, 183, 39-47.	5.5	110
23	Facile synthesis of orange fluorescence carbon dots with excitation independent emission for pH sensing and cellular imaging. <i>Analytica Chimica Acta</i> , 2018, 1042, 125-132.	5.4	108
24	Synthesis of biobased epoxy and curing agents using rosin and the study of cure reactions. <i>Green Chemistry</i> , 2008, 10, 1190.	9.0	107
25	Persulfides: current knowledge and challenges in chemistry and chemical biology. <i>Molecular BioSystems</i> , 2015, 11, 1775-1785.	2.9	106
26	A multi-signal mitochondria-targeted fluorescent probe for real-time visualization of cysteine metabolism in living cells and animals. <i>Chemical Communications</i> , 2018, 54, 11387-11390.	4.1	106
27	A hydrogen sulfide-releasing alginate dressing for effective wound healing. <i>Acta Biomaterialia</i> , 2020, 104, 85-94.	8.3	99
28	SIRT3 Mediates the Antioxidant Effect of Hydrogen Sulfide in Endothelial Cells. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 329-343.	5.4	94
29	Methylsulfonyl Benzothiazole (MSBT): A Selective Protein Thiol Blocking Reagent. <i>Organic Letters</i> , 2012, 14, 3396-3399.	4.6	93
30	Synthesis of rosin-based flexible anhydride-type curing agents and properties of the cured epoxy. <i>Polymer International</i> , 2009, 58, 1435-1441.	3.1	91
31	A Specific Nucleophilic Ring-Opening Reaction of Aziridines as a Unique Platform for the Construction of Hydrogen Polysulfides Sensors. <i>Organic Letters</i> , 2015, 17, 2776-2779.	4.6	83
32	Carbon dots with red emission as a fluorescent and colorimetric dual-readout probe for the detection of chromium(III) and cysteine and its logic gate operation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6099-6107.	5.8	83
33	A near-infrared fluorescence "on" probe for sensitive imaging of hydrogen polysulfides in living cells and mice in vivo. <i>Chemical Communications</i> , 2017, 53, 8759-8762.	4.1	81
34	Facile preparation of bright orange fluorescent carbon dots and the constructed biosensing platform for the detection of pH in living cells. <i>Talanta</i> , 2018, 189, 8-15.	5.5	79
35	Fast Reductive Ligation of S-Nitrosothiols. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6598-6601.	13.8	74
36	Design, Synthesis, and Cardioprotective Effects of N-Mercapto-Based Hydrogen Sulfide Donors. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7501-7511.	6.4	72

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37	Sulfide catabolism ameliorates hypoxic brain injury. <i>Nature Communications</i> , 2021, 12, 3108.	12.8	71
38	Matrix-Free and Highly Efficient Room-Temperature Phosphorescence of Nitrogen-Doped Carbon Dots. <i>Langmuir</i> , 2018, 34, 12845-12852.	3.5	69
39	Inorganic hydrogen polysulfides: chemistry, chemical biology and detection. <i>British Journal of Pharmacology</i> , 2019, 176, 616-627.	5.4	67
40	9-Fluorenylmethyl (Fm) Disulfides: Biomimetic Precursors for Persulfides. <i>Organic Letters</i> , 2016, 18, 904-907.	4.6	65
41	Novel H <sub>2</sub> S Releasing Nanofibrous Coating for In Vivo Dermal Wound Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27474-27481.	8.0	64
42	S-Nitrosothiols: chemistry and reactions. <i>Chemical Communications</i> , 2017, 53, 11266-11277.	4.1	63
43	Sodium Thiosulfate Attenuates Acute Lung Injury in Mice. <i>Anesthesiology</i> , 2014, 121, 1248-1257.	2.5	63
44	Exploring cysteine regulation in cancer cell survival with a highly specific "Lock and Key" fluorescent probe for cysteine. <i>Chemical Science</i> , 2019, 10, 10065-10071.	7.4	62
45	Hydrogen sulfide primes diabetic wound to close through inhibition of NETosis. <i>Molecular and Cellular Endocrinology</i> , 2019, 480, 74-82.	3.2	60
46	Hydrogen Sulfide Regulates KrÄppel-Like Factor 5 Transcription Activity via Specificity Protein 1 S-Sulfhydration at Cys664 to Prevent Myocardial Hypertrophy. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	59
47	Reactive oxygen species-triggered off-on fluorescence donor for imaging hydrogen sulfide delivery in living cells. <i>Chemical Science</i> , 2019, 10, 7690-7694.	7.4	59
48	A selective and sensitive method for quantification of endogenous polysulfide production in biological samples. <i>Redox Biology</i> , 2018, 18, 295-304.	9.0	58
49	Recent Development of Hydrogen Sulfide Releasing/Stimulating Reagents and Their Potential Applications in Cancer and Glycometabolic Disorders. <i>Frontiers in Pharmacology</i> , 2017, 8, 664.	3.5	57
50	Reductive Ligation Mediated One-Step Disulfide Formation of S-Nitrosothiols. <i>Organic Letters</i> , 2010, 12, 4208-4211.	4.6	56
51	Biological thiols-triggered hydrogen sulfide releasing microfibers for tissue engineering applications. <i>Acta Biomaterialia</i> , 2015, 27, 205-213.	8.3	56
52	Synthesis and evaluation of phosphorodithioate-based hydrogen sulfide donors. <i>Molecular BioSystems</i> , 2013, 9, 2430.	2.9	55
53	Trapping Hydrogen Sulfide (H <sub>2</sub> S) with Diselenides: The Application in the Design of Fluorescent Probes. <i>Organic Letters</i> , 2015, 17, 1541-1544.	4.6	54
54	A selective phosphine-based fluorescent probe for nitroxyl in living cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 16-19.	2.2	54

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55	S-Persulfidation: Chemistry, Chemical Biology, and Significance in Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1092-1114.	5.4	54
56	An Unexpected Bis-ligation of <i>S</i> -Nitrosothiols. <i>Journal of the American Chemical Society</i> , 2009, 131, 3854-3855.	13.7	53
57	Chemical methods to detect S-nitrosation. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 32-37.	6.1	53
58	O <sup>+</sup> S Relay Deprotection: A General Approach to Controllable Donors of Reactive Sulfur Species. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5893-5897.	13.8	53
59	Facile Amide Formation via <i>S</i> -Nitrosothioacids. <i>Organic Letters</i> , 2011, 13, 1092-1094.	4.6	51
60	Benzothiazole Sulfinate: a Water-Soluble and Slow-Releasing Sulfur Dioxide Donor. <i>ACS Chemical Biology</i> , 2016, 11, 1647-1651.	3.4	50
61	In Site Bioimaging of Hydrogen Sulfide Uncovers Its Pivotal Role in Regulating Nitric Oxide-Induced Lateral Root Formation. <i>PLoS ONE</i> , 2014, 9, e90340.	2.5	49
62	Thiol-Activated <i>gem</i> -Dithiols: A New Class of Controllable Hydrogen Sulfide Donors. <i>Organic Letters</i> , 2014, 16, 4536-4539.	4.6	49
63	Cadmium Disrupts the Balance between Hydrogen Peroxide and Superoxide Radical by Regulating Endogenous Hydrogen Sulfide in the Root Tip of <i>Brassica rapa</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 232.	3.6	47
64	Facile Formation of Dehydroalanine From <i>S</i> -Nitrosocysteines. <i>Journal of the American Chemical Society</i> , 2009, 131, 13238-13239.	13.7	45
65	A reductive ligation based fluorescent probe for S-nitrosothiols. <i>Chemical Communications</i> , 2014, 50, 4806-4809.	4.1	45
66	Equilibrium and kinetics studies of transnitrosation between S-nitrosothiols and thiols. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 433-436.	2.2	44
67	Benzothiazole Sulfinate: A Sulfinic Acid Transfer Reagent under Oxidation-Free Conditions. <i>Organic Letters</i> , 2017, 19, 3819-3822.	4.6	44
68	Data-Driven Identification of Hydrogen Sulfide Scavengers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10898-10902.	13.8	43
69	Selenium Inhibits Root Elongation by Repressing the Generation of Endogenous Hydrogen Sulfide in <i>Brassica rapa</i> . <i>PLoS ONE</i> , 2014, 9, e110904.	2.5	41
70	Rational Design of a Dual-Responsiveness-Based Fluorescent Probe for Visualizing Intracellular HSNO. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16067-16070.	13.8	41
71	Bright-green-emissive nitrogen-doped carbon dots as a nanoprobe for bifunctional sensing, its logic gate operation and cellular imaging. <i>Talanta</i> , 2018, 179, 554-562.	5.5	40
72	Use of the $\alpha$ -Tag-Switch Method for the Detection of Protein S-Sulphydration. <i>Methods in Enzymology</i> , 2015, 555, 39-56.	1.0	39

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73	Exploration of the "Traceless" Reductive Ligation of <i>S</i> -Nitrosothiols. <i>Organic Letters</i> , 2009, 11, 477-480.	4.6	38
74	Fluorescent Probes for Hydrogen Sulfide Detection. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 914-924.	2.7	38
75	Discovery of Heteroaromatic Sulfones As a New Class of Biologically Compatible Thiol-Selective Reagents. <i>ACS Chemical Biology</i> , 2017, 12, 2201-2208.	3.4	38
76	Rapid synthesis of multifunctional carbon nanodots as effective antioxidants, antibacterial agents, and quercetin nanoprobcs. <i>Talanta</i> , 2020, 206, 120243.	5.5	38
77	Mechanisms of myeloperoxidase catalyzed oxidation of H <sub>2</sub> S by H <sub>2</sub> O <sub>2</sub> or O <sub>2</sub> to produce potent protein Cys-polysulfide-inducing species. <i>Free Radical Biology and Medicine</i> , 2017, 113, 551-563.	2.9	37
78	Strategies for the Design of Donors and Precursors of Reactive Sulfur Species. <i>Chemistry - A European Journal</i> , 2019, 25, 4005-4016.	3.3	37
79	Characterizations of Two Bacterial Persulfide Dioxygenases of the Metallo-Î <sup>2</sup> -lactamase Superfamily. <i>Journal of Biological Chemistry</i> , 2015, 290, 18914-18923.	3.4	34
80	Cyclic Acyl Disulfides and Acyl Selenylsulfides as the Precursors for Persulfides (RSSH), Selenylsulfides (RSeSH), and Hydrogen Sulfide (H <sub>2</sub> S). <i>Organic Letters</i> , 2018, 20, 852-855.	4.6	34
81	Ratiometric Fluorescent Probe for Monitoring Endogenous Methylglyoxal in Living Cells and Diabetic Blood Samples. <i>Analytical Chemistry</i> , 2019, 91, 5646-5653.	6.5	34
82	Stoichiometric quantification of the thiol redox proteome of macrophages reveals subcellular compartmentalization and susceptibility to oxidative perturbations. <i>Redox Biology</i> , 2020, 36, 101649.	9.0	34
83	Quantitative determination of polysulfide in albumins, plasma proteins and biological fluid samples using a novel combined assays approach. <i>Analytica Chimica Acta</i> , 2017, 969, 18-25.	5.4	33
84	Ammonium tetrathiomolybdate as a water-soluble and slow-release hydrogen sulfide donor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1585-1588.	2.2	32
85	Cytoprotective effects of hydrogen sulfide-releasing <i>N</i> -methyl-D-aspartate receptor antagonists mediated by intracellular sulfane sulfur. <i>MedChemComm</i> , 2014, 5, 1577-1583.	3.4	31
86	A lysozyme-stabilized silver nanocluster fluorescent probe for the detection of sulfide ions. <i>Analytical Methods</i> , 2016, 8, 4328-4333.	2.7	31
87	The Path to Controlled Delivery of Reactive Sulfur Species. <i>Accounts of Chemical Research</i> , 2021, 54, 3968-3978.	15.6	31
88	Mitochondrial H <sub>2</sub> S Regulates BCAA Catabolism in Heart Failure. <i>Circulation Research</i> , 2022, 131, 222-235.	4.5	31
89	Direct methods for detection of protein S-nitrosylation. <i>Methods</i> , 2013, 62, 171-176.	3.8	29
90	Use of metabolomics for the chemotaxonomy of legume-associated Ascochyta and allied genera. <i>Scientific Reports</i> , 2016, 6, 20192.	3.3	29

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91	Folate targeting and bovine serum albumin-gated mesoporous silica nanoparticles as a redox-responsive carrier for epirubicin release. <i>New Journal of Chemistry</i> , 2019, 43, 2694-2701.	2.8	29
92	Hydrogen Sulfide Attenuates Renin-Angiotensin and Aldosterone Pathological Signaling to Preserve Kidney Function and Improve Exercise Tolerance in Heart Failure. <i>JACC Basic To Translational Science</i> , 2018, 3, 796-809.	4.1	28
93	Thiol-Activated Hydrogen Sulfide Donors Antiviral and Anti-Inflammatory Activity in Respiratory Syncytial Virus Infection. <i>Viruses</i> , 2018, 10, 249.	3.3	28
94	pH and enzyme dual-responsive release of hydrogen sulfide for disc degeneration therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 611-618.	5.8	28
95	Cystathionine $\beta$ -lyase deficiency aggravates obesity-related insulin resistance via FoxO1-dependent hepatic gluconeogenesis. <i>FASEB Journal</i> , 2019, 33, 4212-4224.	0.5	28
96	Facile Preparation of 3-Substituted Benzisothiazoles from <i>o</i> -Mercaptoacylphenones. <i>Organic Letters</i> , 2010, 12, 752-754.	4.6	27
97	Using resonance synchronous spectroscopy to characterize the reactivity and electrophilicity of biologically relevant sulfane sulfur. <i>Redox Biology</i> , 2019, 24, 101179.	9.0	27
98	Visualization of endogenous hydrogen sulfide in living cells based on Au nanorods@silica enhanced fluorescence. <i>Analytica Chimica Acta</i> , 2019, 1053, 81-88.	5.4	27
99	Mass spectrometry-based direct detection of multiple types of protein thiol modifications in pancreatic beta cells under endoplasmic reticulum stress. <i>Redox Biology</i> , 2021, 46, 102111.	9.0	27
100	A Single Fluorescent Probe to Visualize Hydrogen Sulfide and Hydrogen Polysulfides with Different Fluorescence Signals. <i>Angewandte Chemie</i> , 2016, 128, 10147-10150.	2.0	26
101	Cadmium-mediated activation of the HSP90/HSF1 pathway regulated by reactive persulfides/polysulfides. <i>Toxicological Sciences</i> , 2017, 156, kfw268.	3.1	26
102	Hydrogen Sulfide Mediated Tandem Reaction of Selenenyl Sulfides and Its Application in Fluorescent Probe Development. <i>Organic Letters</i> , 2019, 21, 7573-7576.	4.6	26
103	A smartphone based device for the detection of sulfane sulfurs in biological systems. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 263-269.	7.8	26
104	A novel pH-controlled hydrogen sulfide donor protects gastric mucosa from aspirin-induced injury. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2441-2451.	3.6	24
105	A General Strategy for Development of Near-Infrared Fluorescent Probes for Bioimaging. <i>Angewandte Chemie</i> , 2017, 129, 16838-16842.	2.0	23
106	Phosphonothioate-Based Hydrogen Sulfide Releasing Reagents: Chemistry and Biological Applications. <i>Frontiers in Pharmacology</i> , 2017, 8, 457.	3.5	23
107	Is Hydrogen Sulfide a Concern During Treatment of Lung Adenocarcinoma With Ammonium Tetrathiomolybdate?. <i>Frontiers in Oncology</i> , 2020, 10, 234.	2.8	23
108	A Sweet H <sub>2</sub> S/H <sub>2</sub> O <sub>2</sub> Dual Release System and Specific Protein S-Persulfidation Mediated by Thioglucose/Glucose Oxidase. <i>Journal of the American Chemical Society</i> , 2021, 143, 13325-13332.	13.7	23

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109	A fluorogenic dye activated by S-nitrosothiols. <i>Molecular BioSystems</i> , 2009, 5, 918.	2.9	22
110	Use of Phosphorodithioate-Based Compounds as Hydrogen Sulfide Donors. <i>Methods in Enzymology</i> , 2015, 554, 127-142.	1.0	19
111	Diacyl disulfides as the precursors for hydrogen persulfide (H <sub>2</sub> S <sub>2</sub> ). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126903.	2.2	18
112	O <sup>+</sup> S Relay Deprotection: A General Approach to Controllable Donors of Reactive Sulfur Species. <i>Angewandte Chemie</i> , 2018, 130, 5995-5999.	2.0	17
113	Isotope dilution mass spectrometry for the quantification of sulfane sulfurs. <i>Free Radical Biology and Medicine</i> , 2014, 76, 200-207.	2.9	16
114	One-Pot Thioether Formation from S-Nitrosothiols. <i>Organic Letters</i> , 2010, 12, 5674-5676.	4.6	15
115	Highly selective fluorescence off-on probes for biothiols and imaging in live cells. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6837.	2.8	15
116	Breathing hydrogen sulfide prevents delayed paraplegia in mice. <i>Free Radical Biology and Medicine</i> , 2019, 131, 243-250.	2.9	15
117	Synthesis of Unsymmetric Trisulfides from 9-Fluorenylmethyl Disulfides. <i>Organic Letters</i> , 2018, 20, 465-468.	4.6	14
118	Analysis of MTHFR, CBS, Glutathione, Taurine, and Hydrogen Sulfide Levels in Retinas of Hyperhomocysteinemic Mice. , 2017, 58, 1954.		13
119	Acyl Selenyl Sulfides as the Precursors for Reactive Sulfur Species (Hydrogen Sulfide, Polysulfide,) Tj ETQq1 1 0.784314 rgBT /Overloc	4.6	13
120	A Proline-Based Phosphine Template for Staudinger Ligation. <i>Organic Letters</i> , 2012, 14, 4694-4697.	4.6	12
121	Slow generation of hydrogen sulfide from sulfane sulfurs and NADH models. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 542-545.	2.2	12
122	Are the beneficial effects of $\alpha$ -antioxidant <sup>TM</sup> lipoic acid mediated through metabolism of reactive sulfur species?. <i>Free Radical Biology and Medicine</i> , 2020, 146, 139-149.	2.9	12
123	Chemistry and Chemical Biology of Selenenyl Sulfides and Thioseleninic Acids. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 1143-1157.	5.4	11
124	Hydrogen Sulfide Detection Using Nucleophilic Substitution <sup>TM</sup> Cyclization-Based Fluorescent Probes. <i>Methods in Enzymology</i> , 2015, 554, 47-62.	1.0	10
125	Whole Transcriptome Sequencing Analysis of the Synergistic Antimicrobial Effect of Metal Oxide Nanoparticles and Ajoene on <i>Campylobacter jejuni</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 2074.	3.5	10
126	Rational Design of a Dual <sup>TM</sup> Reactivity <sup>TM</sup> Based Fluorescent Probe for Visualizing Intracellular HSNO. <i>Angewandte Chemie</i> , 2019, 131, 16213-16216.	2.0	10



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127	Specific Reactions of RSNO, HSNO, and HNO and Their Applications in the Design of Fluorescent Probes. <i>Chemistry - A European Journal</i> , 2020, 26, 11673-11683.	3.3	10
128	Methods for Suppressing Hydrogen Sulfide in Biological Systems. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 294-308.	5.4	10
129	Esterase-sensitive trithiane-based hydrogen sulfide donors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9999-10003.	2.8	9
130	A modular template for the design of thiol-triggered sensors and prodrugs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119072.	3.9	8
131	Phosphine mediated conjugation of S-nitrosothiols and aldehydes. <i>Tetrahedron Letters</i> , 2015, 56, 2741-2743.	1.4	7
132	A Sulfonyl Azide-Based Sulfide Scavenger Rescues Mice from Lethal Hydrogen Sulfide Intoxication. <i>Toxicological Sciences</i> , 2021, 183, 393-403.	3.1	7
133	Phosphite Esters: Reagents for Exploring S-Nitrosothiol Chemistry. <i>Organic Letters</i> , 2018, 20, 7860-7863.	4.6	6
134	Development of Xanthene-Based Fluorescent Dyes: Machine Learning-Assisted Prediction vs. TD-DFT Prediction and Experimental Validation. <i>Chemistry Methods</i> , 2021, 1, 389-396.	3.8	5
135	Data-Driven Identification of Hydrogen Sulfide Scavengers. <i>Angewandte Chemie</i> , 2019, 131, 11014-11018.	2.0	4
136	Oxygen-to-Oxygen Silyl Migration of $\beta$ -Siloxy Sulfoxides and Oxidation-Triggered Allicin Formation. <i>Organic Letters</i> , 2021, 23, 3741-3745.	4.6	4
137	Benzothiazole-Derived Sulfones and Sulfoxides as Reactive Templates for Biothiols and Sulfane Sulfurs. <i>Organic Letters</i> , 2022, 24, 2546-2550.	4.6	4
138	Photo-Responsive Hydrogel Mns with Interlocking Control for Easy Extraction in Sustained Ocular Drug Delivery. <i>Journal of Engineering and Science in Medical Diagnostics and Therapy</i> , 2021, , .	0.5	3
139	C-Nitrosothioformamide: A Donor Template for Dual Release of HNO and H <sub>2</sub> S. <i>ChemBioChem</i> , 2022, , .	2.6	3
140	Proline-based phosphoramidite reagents for the reductive ligation of S-nitrosothiols. <i>Journal of Antibiotics</i> , 2016, 69, 313-318.	2.0	1
141	Washington Red (WR) dyes and their imaging applications. <i>Methods in Enzymology</i> , 2020, 640, 149-163.	1.0	1
142	A8.8...Controllable hydrogen sulfide donors and their anti-inflammatory potential in the murine macrophage cell line RAW264.7. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, A79.1-A79.	0.9	0
143	Titelbild: Data-Driven Identification of Hydrogen Sulfide Scavengers ( <i>Angew. Chem.</i> 32/2019). <i>Angewandte Chemie</i> , 2019, 131, 10877-10877.	2.0	0
144	Frontispiece: Strategies for the Design of Donors and Precursors of Reactive Sulfur Species. <i>Chemistry - A European Journal</i> , 2019, 25, .	3.3	0

#	ARTICLE	IF	CITATIONS
145	Frontispiece: Specific Reactions of RSNO, HSNO, and HNO and Their Applications in the Design of Fluorescent Probes. Chemistry - A European Journal, 2020, 26, .	3.3	0
146	Delayed Therapy with A Hydrogen Sulfide Donor, JK1, Protects against Pressure Overload $\bullet$ -Induced Heart Failure. FASEB Journal, 2018, 32, 698.1.	0.5	0