

# Enzymatic Carbon–Sulfur Bond Formation in Natural

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Introduction: Unusual Enzymology in Natural Product Synthesis. <i>Chemical Reviews</i> , 2017, 117, 5223-5225.	23.0	10
2	Glitoxin Biosynthesis: Structure, Mechanism, and Metal Promiscuity of Carboxypeptidase Glij. <i>ACS Chemical Biology</i> , 2017, 12, 1874-1882.	1.6	24
3	Thioamide-Directed Cobalt(III)-Catalyzed Selective Amidation of C(sp <sup>3</sup> )-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16550-16554.	7.2	138
4	Elemental sulfur as a sulfuration agent in the copper-catalyzed C-H bond thiolation of electron-deficient arenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8276-8279.	1.5	17
5	Convergent Evolution of Ergothioneine Biosynthesis in Cyanobacteria. <i>ChemBioChem</i> , 2017, 18, 2115-2118.	1.3	40
6	Anaerobic Origin of Ergothioneine. <i>Angewandte Chemie</i> , 2017, 129, 12682-12685.	1.6	50
7	Anaerobic Origin of Ergothioneine. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12508-12511.	7.2	70
8	Asymmetric Fe <sup>II</sup> -Catalyzed Thia-Michael Addition Reaction to $\alpha,\beta$ -Unsaturated Oxazolidin-2-one Derivatives. <i>Organic Letters</i> , 2017, 19, 6324-6327.	2.4	27
9	Thioamide-Directed Cobalt(III)-Catalyzed Selective Amidation of C(sp <sup>3</sup> )-H Bonds. <i>Angewandte Chemie</i> , 2017, 129, 16777-16781.	1.6	38
10	Sequential Ytterbium(III) Triflate Catalyzed One-Pot Three-Component Thia-Michael Addition. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 955-963.	1.3	4
11	Enzymatic reconstitution of ribosomal peptide backbone thioamidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3030-3035.	3.3	73
12	Transition-Metal-Free Coupling Reaction of Dithiocarbamates with Indoles: C-S Bond Formation. <i>Journal of Organic Chemistry</i> , 2018, 83, 5778-5783.	1.7	31
13	Rh( <i>scpv</i> )/phosphine-cocatalyzed synthesis of dithioacetal derivatives from diazo compounds through simultaneous construction of two different C-S bonds. <i>Chemical Communications</i> , 2018, 54, 5964-5967.	2.2	31
14	Hydrochloric Acid-Promoted Intermolecular 1,2-Thiofunctionalization of Aromatic Alkenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 2818-2829.	1.7	26
15	KI-catalyzed C-S bond formation <i>via</i> an oxidation relay strategy: efficient access to various $\alpha$ -thio- $\beta$ -dicarbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1641-1645.	1.5	25
16	One-pot synthesis of thioesters with sodium thiosulfate as a sulfur surrogate under transition metal-free conditions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1871-1881.	1.5	14
17	Palladium-Catalyzed Oxidative Cross-Coupling of Arylhydrazines and Arenethiols with Molecular Oxygen as the Sole Oxidant. <i>Journal of Organic Chemistry</i> , 2018, 83, 2389-2394.	1.7	38
18	AIBN-Initiated Denitrative Cross-Coupling Reactions of $\beta$ -Nitrostyrenes with Sulfonyl Hydrazides/Disulfides: A Metal-free Approach towards Vinyl Sulfones. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 359-362.	1.3	20

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19	Nickel-Catalyzed C-S Bond Formation via Decarbonylative Thioetherification of Esters, Amides and Intramolecular Recombination Fragment Coupling of Thioesters. <i>Chemistry - A European Journal</i> , 2018, 24, 3608-3612.	1.7	79
20	Thia-Michael Addition: An Emerging Strategy in Organic Synthesis. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 634-661.	1.3	76
21	Mini-Review: Ergothioneine and Ovothiol Biosyntheses, an Unprecedented Trans-Sulfur Strategy in Natural Product Biosynthesis. <i>Biochemistry</i> , 2018, 57, 3309-3325.	1.2	56
22	Use of a Tyrosine Analogue To Modulate the Two Activities of a Nonheme Iron Enzyme OvoA in Ovothiol Biosynthesis, Cysteine Oxidation versus Oxidative C-S Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 4604-4612.	6.6	42
23	Selective S-Deacetylation of Functionalized Thioacetates Catalyzed by Dy(OTf) <sub>3</sub> . <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 179-188.	1.3	8
24	Dimerization of Phenylalanine: An Approach to Thiazoles and Oxazoles Involved S/O-Insertion. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 550-555.	2.1	23
25	Copper-Catalyzed Alkylation of Thiophenols with Benzyltrimethylammonium Triflates. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 141-144.	1.3	13
26	Recent Advances in Our Understanding of the Biosynthesis of Sulfur Modifications in tRNAs. <i>Frontiers in Microbiology</i> , 2018, 9, 2679.	1.5	35
27	Acid-catalyzed oxidative cleavage of S-S and Se-Se bonds with DEAD: efficient access to sulfides and selenides. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3557-3561.	2.3	30
28	A straightforward and convenient synthesis of functionalized allyl thiosulfonates and allyl disulfanes. <i>RSC Advances</i> , 2018, 8, 40446-40453.	1.7	15
29	Metal-Free Oxidative Thioesterification of Methyl Ketones with Thiols/Disulfides for the Synthesis of $\alpha$ -Ketothioesters. <i>Journal of Organic Chemistry</i> , 2018, 83, 14978-14986.	1.7	33
30	[3 + 4] Annulation of Bromoenals and 1,2-Benzenedithiol: Base-Promoted [2 + 4] Reaction and N-Heterocyclic Carbene-Catalyzed Ring-Expansion. <i>Journal of Organic Chemistry</i> , 2018, 83, 15178-15185.	1.7	18
31	Alkyl Sulfides as Promising Sulfur Sources: Metal-Free Synthesis of Aryl Alkyl Sulfides and Dialkyl Sulfides by Transalkylation of Simple Sulfides with Alkyl Halides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3833-3837.	1.7	6
32	Biosynthesis of Quinolidomicin, the Largest Known Macrolide of Terrestrial Origin: Identification and Heterologous Expression of a Biosynthetic Gene Cluster over 200 kb. <i>Organic Letters</i> , 2018, 20, 7996-7999.	2.4	33
33	Glutathione S-Transferases in the Biosynthesis of Sulfur-Containing Secondary Metabolites in Brassicaceae Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 1639.	1.7	48
34	Regio- and Stereoselective Hydrosulfonylation of Electron-Deficient Alkynes: Access to Both E- and Z- $\alpha$ -Sulfonyl- $\beta$ -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4562-4570.	2.1	18
35	Theionbrunonines A and B: Dimeric Vobasine Alkaloids Tethered by a Thioether Bridge from <i>Mostuea brunonis</i> . <i>Organic Letters</i> , 2018, 20, 6596-6600.	2.4	25
36	Bacteria Hunt Bacteria through an Intriguing Cyclic Peptide. <i>ChemMedChem</i> , 2018, 14, 24-51.	1.6	7

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37	Synthesis of aryl sulfides via radical-radical cross coupling of electron-rich arenes using visible light photoredox catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2520-2528.	1.3	6
38	Cascade reactions as efficient and universal tools for construction and modification of 6-, 5-, 4- and 3-membered sulfur heterocycles of biological relevance. <i>Tetrahedron</i> , 2018, 74, 6335-6365.	1.0	21
39	Genome Editing Reveals Novel Thiotemplated Assembly of Polythioamide Antibiotics in Anaerobic Bacteria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14080-14084.	7.2	30
40	Genome Editing Reveals Novel Thiotemplated Assembly of Polythioamide Antibiotics in Anaerobic Bacteria. <i>Angewandte Chemie</i> , 2018, 130, 14276-14280.	1.6	11
41	N-Heterocyclic Carbene-Catalyzed <i>in situ</i> Activation of Alkynyl Acids for C-S Bond Formation: Access to Imidazo[2,1-b][1,3]thiazinones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4515-4522.	2.1	24
42	NRPS Protein MarQ Catalyzes Flexible Adenylation and Specific S-Methylation. <i>ACS Chemical Biology</i> , 2018, 13, 2387-2391.	1.6	15
43	Discovery and biosynthesis of thioviridamide-like compounds. <i>Chinese Chemical Letters</i> , 2018, 29, 1022-1028.	4.8	30
44	Expanding the Rubterolone Family: Intrinsic Reactivity and Directed Diversification of PKS-derived Pyrans. <i>Chemistry - A European Journal</i> , 2018, 24, 11319-11324.	1.7	15
45	Catalytic Asymmetric Conjugate Addition of Tritylthiol to Azadienes with a Bifunctional Organocatalyst. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1561-1564.	1.3	34
46	Enzymatic Thioamide Formation in a Bacterial Antimetabolite Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11574-11578.	7.2	24
47	Synthesis of conjoined 1,5-dithiaspiro derivatives through catalyst free double reaction of carbon disulfide with dialkyl acetylenedicarboxylates and isocyanide derivatives. <i>Journal of Sulfur Chemistry</i> , 2018, 39, 579-587.	1.0	2
48	Fe(OTf) <sub>2</sub> -Catalyzed <i>in situ</i> Michael Addition Reaction: A Green Synthetic Approach to $\beta$ -Thioethers. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4536-4540.	1.2	15
49	Photocatalytic formation of carbon-sulfur bonds. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 54-83.	1.3	132
50	The energy-transfer-enabled biocompatible disulfide-ene reaction. <i>Nature Chemistry</i> , 2018, 10, 981-988.	6.6	143
51	A mild light-induced cleavage of the S-O bond of aryl sulfonate esters enables efficient sulfonylation of vinylarenes. <i>Chemical Science</i> , 2018, 9, 7193-7197.	3.7	31
52	Reconstitution of Enzymatic Carbon-Sulfur Bond Formation Reveals Detoxification-Like Strategy in Fungal Toxin Biosynthesis. <i>ACS Chemical Biology</i> , 2018, 13, 2508-2512.	1.6	12
53	Bioinformatic Expansion and Discovery of Thiopeptide Antibiotics. <i>Journal of the American Chemical Society</i> , 2018, 140, 9494-9501.	6.6	119
54	Site-Selective C-S Bond Formation at C-Br over C-OTf and C-Cl Enabled by an Air-Stable, Easily Recoverable, and Recyclable Palladium(I) Catalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12425-12429.	7.2	73

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55	Enzymatic Thioamide Formation in a Bacterial Antimetabolite Pathway. <i>Angewandte Chemie</i> , 2018, 130, 11748-11752.	1.6	5
56	Site-Selective C-S Bond Formation at C-Br over C-OTf and C-Cl Enabled by an Air-Stable, Easily Recoverable, and Recyclable Palladium(I) Catalyst. <i>Angewandte Chemie</i> , 2018, 130, 12605-12609.	1.6	26
57	P450-Catalyzed Tailoring Steps in Leinamycin Biosynthesis Featuring Regio- and Stereoselective Hydroxylations and Substrate Promiscuities. <i>Biochemistry</i> , 2018, 57, 5005-5013.	1.2	5
58	$\beta$ -Hydroxy sulfides and their syntheses. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1668-1692.	1.3	19
59	Metal-Ligand Cooperativity Promoting Sulfur Atom Transfer in Ferrous Complexes and Isolation of a Sulfurmethylenephosphorane Adduct. <i>Inorganic Chemistry</i> , 2018, 57, 11552-11559.	1.9	16
60	Catalytic Hydrothiolation: Regio- and Enantioselective Coupling of Thiols and Dienes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10443-10446.	6.6	132
61	Biosynthesis of thiocarboxylic acid-containing natural products. <i>Nature Communications</i> , 2018, 9, 2362.	5.8	26
62	C-C cross-coupling reaction using novel and green synthesized CuO nanoparticles assisted by <i>Euphorbia maculata</i> extract. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5144.	1.7	20
63	High-Atom Economic Approach To Prepare Chiral $\beta$ -Sulfonylated Ketones. <i>Journal of Organic Chemistry</i> , 2019, 84, 11219-11227.	1.7	9
64	Structural diversity, biosynthetic aspects, and LC-HRMS data compilation for the identification of bioactive compounds of <i>Lepidium meyenii</i> . <i>Food Research International</i> , 2019, 125, 108615.	2.9	22
65	Identification of Sulfonated and Hydroxy-Sulfonated Polychlorinated Biphenyl (PCB) Metabolites in Soil: New Classes of Intermediate Products of PCB Degradation?. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10601-10611.	4.6	15
66	Facile synthesis of 1,2-thiobenzonitriles via Cu-catalyzed denitrogenative radical coupling reaction. <i>Chemical Communications</i> , 2019, 55, 10265-10268.	2.2	17
67	Reconstitution of Iterative Thioamidation in Clostridioamide Biosynthesis Reveals Tailoring Strategy for Nonribosomal Peptide Backbones. <i>Angewandte Chemie</i> , 2019, 131, 13148-13152.	1.6	7
68	Lewis Base/Bronsted Acid Co-catalyzed Enantioselective Sulfonylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12491-12496.	7.2	54
69	Bronsted Base-Switched Selective Mono- and Dithiolation of Benzamides via Copper Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10490-10500.	1.7	10
70	3-Functional substituted 4-trifluoromethyl tetrahydrothiophenes via [3+2]-cycloaddition reactions. <i>Journal of Sulfur Chemistry</i> , 2019, 40, 629-640.	1.0	6
71	$\beta$ -Iodanes as Visible Light Photocatalyst in Thioacetalization of Aldehydes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4822-4826.	1.2	8
72	Crystal Structure of the Ergothioneine Sulfoxide Synthase from <i>Candidatus Chloracidobacterium thermophilum</i> and Structure-Guided Engineering To Modulate Its Substrate Selectivity. <i>ACS Catalysis</i> , 2019, 9, 6955-6961.	5.5	18

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73	Photocatalytic Oxidative C-H Thiolation: Synthesis of Benzothiazoles and Sulfenylated Indoles. <i>Synlett</i> , 2019, 30, 1648-1655.	1.0	14
74	Reconstitution of Iterative Thioamidation in Clostridioamide Biosynthesis Reveals Tailoring Strategy for Nonribosomal Peptide Backbones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13014-13018.	7.2	23
75	Implementation of High Order QAM Modulation on SDR. <i>Journal of Physics: Conference Series</i> , 2019, 1302, 022095.	0.3	1
76	An Efficient Sequential One-Pot Approach for the Synthesis of C3-Functionalized Imidazo[1,2-a]pyridines under Transition-Metal Free Conditions. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2269-2275.	1.3	21
77	Natural Sulfur-Containing Compounds: An Alternative Therapeutic Strategy against Liver Fibrosis. <i>Cells</i> , 2019, 8, 1356.	1.8	42
78	Visible Light Mediated Sulfenylation-Annulation Cascade of Alkyne Tethered Cyclohexadienones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4983-4988.	2.1	33
79	Lewis Base/Bronsted Acid Co-catalyzed Enantioselective Sulfenylation/Semipinacol Rearrangement of Di- and Trisubstituted Allylic Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 12621-12626.	1.6	11
80	Visible-Light-Induced Deaminative Thioesterification of Amino Acid Derived Katritzky Salts via Electron Donor-Acceptor Complex Formation. <i>Organic Letters</i> , 2019, 21, 8673-8678.	2.4	73
81	Michael additions in polyketide biosynthesis. <i>Natural Product Reports</i> , 2019, 36, 531-547.	5.2	23
82	Copper-Catalyzed Enantioselective Construction of Tertiary Propargylic Sulfones. <i>Angewandte Chemie</i> , 2019, 131, 3943-3947.	1.6	26
83	Copper-Catalyzed Enantioselective Construction of Tertiary Propargylic Sulfones. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3903-3907.	7.2	99
84	Biosynthesis and Chemical Applications of Thioamides. <i>ACS Chemical Biology</i> , 2019, 14, 142-163.	1.6	126
85	The solvent-controlled chemoselective construction of C-S/S-S bonds via the Michael reaction/thiol coupling of quinoline-2-thiones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2379-2383.	1.5	11
86	Cs <sub>2</sub> CO <sub>3</sub> -Mediated Vicinal Thiosulfonylation of 1,1-Dibromoalkenes with Thiosulfonates: An Expedient Synthesis of 1,2-Thiosulfonylethenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1587-1591.	2.1	39
87	Substrate-switched dual functionalization of alkenes: catalyst-free synthetic route for $\beta$ -hydroxy and $\beta$ -keto thioethers. <i>New Journal of Chemistry</i> , 2019, 43, 11045-11049.	1.4	10
88	Synthesis of Thiomorpholin-3-ones by a Gold-Catalysed Oxidative Cyclisation-Rearrangement Cascade from Ynamides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5201-5204.	1.2	15
89	Air-Tolerant Direct Thiol Esterification with Carboxylic Acids Using Hydrosilane via Simple Inorganic Base Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7694-7701.	1.7	18
90	Unprecedented Reactivity of $\beta$ -Iodovinyl Sulfones: An Efficient Synthesis of $\beta$ -Keto Sulfones and $\beta$ -Keto Thiosulfones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3771-3775.	1.2	35

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91	Thioamide-Containing Peptides and Proteins. , 2019, , 193-238.		3
92	Donghaesulfins A and B, Dimeric Benz[ <i>a</i> ]anthracene Thioethers from Volcanic Island Derived <i>Streptomyces</i> sp.. <i>Organic Letters</i> , 2019, 21, 3635-3639.	2.4	17
93	Nickel-catalysed selective migratory hydrothiolation of alkenes and alkynes with thiols. <i>Nature Communications</i> , 2019, 10, 1752.	5.8	113
94	Aromatic Halogenation Using <i>N</i> -Halosuccinimide and PhSSiMe <sub>3</sub> or PhSSPh. <i>Journal of Organic Chemistry</i> , 2019, 84, 7405-7410.	1.7	24
95	Responses of <i>Acidithiobacillus thiooxidans</i> A01 to Individual and Joint Nickel (Ni <sup>2+</sup> ) and Ferric (Fe <sup>3+</sup> ). <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 82.	0.8	4
96	Uncovering the unexplored diversity of thioamidated ribosomal peptides in Actinobacteria using the RiPPER genome mining tool. <i>Nucleic Acids Research</i> , 2019, 47, 4624-4637.	6.5	98
97	Scandium-catalyzed electrophilic alkene difunctionalization: regioselective synthesis of thiosulfone derivatives. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1663-1666.	2.3	47
98	Transition-metal-free C–N bond formation: synthesis of 5-amino-1,2,4-thiadiazoles from isothiocyanates and amidines. <i>New Journal of Chemistry</i> , 2019, 43, 6465-6468.	1.4	12
99	Structural and Mechanistic Basis for Anaerobic Ergothioneine Biosynthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 6906-6914.	6.6	22
100	Dithiolation of [70]Fullerene with Aliphatic Primary Thiols in the Presence of <i>n</i> -Butylamine via Aerobic Oxidation Reaction. <i>Journal of Organic Chemistry</i> , 2019, 84, 3045-3054.	1.7	7
101	Catalytic Hydrothiolation: Counterion-Controlled Regioselectivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 3006-3013.	6.6	108
102	The literature of heterocyclic chemistry, part XVII, 2017. <i>Advances in Heterocyclic Chemistry</i> , 2019, 129, 337-418.	0.9	5
103	Thioalbamide, A Thioamidated Peptide from <i>Amycolatopsis alba</i> , Affects Tumor Growth and Stemness by Inducing Metabolic Dysfunction and Oxidative Stress. <i>Cells</i> , 2019, 8, 1408.	1.8	31
104	Carbene-Catalyzed Enantioselective Addition of Thioamides to Bromoenals for Access to Thiazinone Heterocycles. <i>Organic Letters</i> , 2019, 21, 9493-9496.	2.4	29
105	Ribosomal Formation of Thioamide Bonds in Polypeptide Synthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 20004-20008.	6.6	33
106	[Zn(L-Pro) <sub>2</sub> ] as a Simple and Efficient Catalyst: A Convenient Route for the Synthesis of Thiazinone Derivatives via Green Chemical Approach. <i>ChemistrySelect</i> , 2019, 4, 13304-13306.	0.7	8
107	Electrochromic Properties of Electrospun Fibers Based on Bis-thiomethylcyclohexanone Derivatives. <i>ChemistrySelect</i> , 2019, 4, 13412-13419.	0.7	2
108	Iodine(III) Enabled Dehydrogenative Aryl C–S Coupling by <i>in situ</i> Generated Sulfenium Ion. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1092-1101.	2.1	31

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109	A robust 2D organic polysulfane nanosheet with grafted polycyclic sulfur for highly reversible and durable lithium-organosulfur batteries. <i>Nano Energy</i> , 2019, 57, 635-643.	8.2	69
110	Synthesis, characterization, crystal structure of novel bis-thiomethylcyclohexanone derivatives and their inhibitory properties against some metabolic enzymes. <i>Bioorganic Chemistry</i> , 2019, 82, 393-404.	2.0	110
111	<i>N</i> -iodosuccinimide as Bifunctional Reagent in <i>E</i> -selective C(sp <sup>2</sup> )-H Sulfenylation of Styrenes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 144-150.	1.3	28
112	Organocatalytic Asymmetric Michael Addition of Rhodanines to Azadienes for Assembling of Sulfur-containing Tetrasubstituted Carbon Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 476-480.	2.1	33
113	Switchable Ni-catalyzed bis-thiolation of acetylene with aryl disulfides as an access to functionalized alkenes and 1,3-dienes. <i>Applied Catalysis A: General</i> , 2019, 571, 170-179.	2.2	17
114	Thioesters as Acyl Donors in Biocatalytic Friedel-Crafts-type Acylation Catalyzed by Acyltransferase from <i>Pseudomonas Protegens</i> . <i>ChemCatChem</i> , 2019, 11, 1064-1068.	1.8	15
115	Direct Oxidative Disulfenylation/Cyclization of 2-Hydroxyacetophenones with Thiophenols for the Synthesis of 2,2-Dithio-Benzofuranones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 49-54.	2.1	16
116	Metal- and base-free regioselective thiolation of the methyl C(sp <sup>3</sup> )-H bond in 2-picoline <i>N</i> -oxides. <i>Green Chemistry</i> , 2019, 21, 157-163.	4.6	21
117	Mechanistic Studies of a Nonheme Iron Enzyme OvoA in Ovothiol Biosynthesis Using a Tyrosine Analogue, 2-Amino-3-(4-hydroxy-3-(methoxyl) phenyl) Propanoic Acid (MeOTyr). <i>ACS Catalysis</i> , 2019, 9, 253-258.	5.5	22
118	Dereplication and targeted isolation of bioactive sulphur compound from bacteria isolated from a hydrothermal field. <i>Natural Product Research</i> , 2019, 33, 494-499.	1.0	4
119	Recent advances in sulfenylation of C(sp <sup>3</sup> ) H bond under transition metal-free conditions. <i>Chinese Chemical Letters</i> , 2020, 31, 49-57.	4.8	57
120	Construction of sulfur-containing moieties in the total synthesis of natural products. <i>Natural Product Reports</i> , 2020, 37, 246-275.	5.2	395
121	One pot synthesis of novel pregnane-sulphur prodrugs, spectroscopic investigation, conformational analysis, chemical reactivity, Fukui function and their mathematical model. <i>Journal of Molecular Structure</i> , 2020, 1201, 127136.	1.8	4
122	Regio- and Enantioselective Synthesis of Sulfone-bearing Quaternary Carbon Stereocenters by Pd-catalyzed Allylic Substitution. <i>Angewandte Chemie</i> , 2020, 132, 1356-1361.	1.6	10
123	Regio- and Enantioselective Synthesis of Sulfone-bearing Quaternary Carbon Stereocenters by Pd-catalyzed Allylic Substitution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1340-1345.	7.2	69
124	C-S coupling with nitro group as leaving group via simple inorganic salt catalysis. <i>Chinese Chemical Letters</i> , 2020, 31, 84-90.	4.8	15
125	Recent Progress in Unusual Carbohydrate-Containing Natural Products Biosynthesis. , 2020, , 336-392.		3
126	Electrochemical Synthesis of $\alpha^2$ -Ketosulfones from Switchable Starting Materials. <i>Organic Letters</i> , 2020, 22, 464-467.	2.4	60



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127	Exploiting a C–N Bond Forming Cytochrome P450 Monooxygenase for C–S Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3988-3993.	7.2	27
128	State-of-the-art iron-based nanozymes for biocatalytic tumor therapy. <i>Nanoscale Horizons</i> , 2020, 5, 202-217.	4.1	78
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