

# Carsten Bolm

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

646  
papers

39,237  
citations

97  
h-index

164  
g-index

927  
ext. papers

42,840  
ext. citations

7.7  
avg, IF

7.95  
L-index

#	Paper	IF	Citations
646	Mechanochemical Palladium-Catalyzed Oxidative Esterification of Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 1361-1366	8.3	2
645	Visible Light-Promoted Synthesis of $\beta$ -Keto Sulfoximines from $\alpha$ -Tosyl-Protected Sulfoximidoyl Chlorides.. <i>Journal of Organic Chemistry</i> , <b>2022</b> ,	4.2	3
644	The Mechanochemical Synthesis and Activation of Carbon-Rich $\pi$ -Conjugated Materials.. <i>Advanced Science</i> , <b>2022</b> , e2105497	13.6	1
643	Mechanochemical Solvent-Free N-Sulfonylations of Sulfoximines and Sulfonylimidamides. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 2863-2867	8.3	6
642	Mechanochemical Grignard Reactions with Gaseous CO <sub>2</sub> and Sodium Methyl Carbonate.. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	3
641	Synthesis of trifluoromethyl-substituted 1,2,6-thiadiazine 1-oxides from sulfonylimidamides under mechanochemical conditions. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 9470-9475	3.9	1
640	Ball milling - a new concept for predicting degradation profiles in active pharmaceutical ingredients. <i>Chemical Communications</i> , <b>2021</b> , 57, 11956-11959	5.8	0
639	Three-Dimensional Heterocycles by 5-exo-dig Cyclizations of $\alpha$ -Methyl- $\gamma$ -nonylsulfoximines. <i>Organic Letters</i> , <b>2021</b> , 23, 8287-8290	6.2	3
638	Regio- and Stereoselective Chloro Sulfoximidations of Terminal Aryl Alkynes Enabled by Copper Catalysis and Visible Light. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 2552-2556	5.6	3
637	2-Sulfoximidoyl Acetic Acids from Multicomponent Petasis Reactions and Their Use as Building Blocks in Syntheses of Sulfoximine Benzodiazepine Analogues. <i>Organic Letters</i> , <b>2021</b> , 23, 3415-3420	6.2	7
636	Evaluation of 3- and 4-Phenoxybenzamides as Selective Inhibitors of the Mono-ADP-Ribosyltransferase PARP10. <i>ChemistryOpen</i> , <b>2021</b> , 10, 939-948	2.3	2
635	Photochemistry of N-Phenyl Dibenzothiophene Sulfoximine. <i>Photochemistry and Photobiology</i> , <b>2021</b> ,	3.6	2
634	NH-sulfoximine: A novel pharmacological inhibitor of the mitochondrial F <sub>1</sub> F <sub>0</sub> -ATPase, which suppresses viability of cancerous cells. <i>British Journal of Pharmacology</i> , <b>2021</b> , 178, 298-311	8.6	2
633	Sulfoximines with $\beta$ -Ketoester Functionalities at Nitrogen from Cyanoacetates and Air. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 747-750	5.6	6
632	Visible light-promoted NH-halogenation of sulfoximines with dichloromethane or dibromomethane. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 2919-2923	5.2	4
631	1,2-Benzothiazine Derivatives from Sulfonylimidamides by Metal-Catalyzed Annulation Reactions in Solution and under Solvent-Free Mechanochemical Conditions. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 1322-1329	5.6	10
630	Palladium-Catalyzed Carbonylation in the Synthesis of N- $\gamma$ -nonylsulfoximines. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 1330-1334	5.6	5

629	Selected applications of Meldrum's acid - a tutorial. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 5014-5027	5.2	8
628	Investigation of isomerization of dexibuprofen in a ball mill using chiral capillary electrophoresis. <i>Electrophoresis</i> , <b>2021</b> , 42, 1790-1799	3.6	1
627	Visible light-induced C-C bond cleavage in a multicomponent reaction cascade allowing acylations of sulfoximines with ketones. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 8096-8101	3.9	1
626	2,3-Dihydro-1,2,6-thiadiazine 1-Oxides by Biginelli-Type Reactions with Sulfonimidamides under Mechanochemical Conditions. <i>Organic Letters</i> , <b>2021</b> , 23, 2699-2703	6.2	7
625	Photocatalytic Synthesis of Difluoroacetoxy-containing Sulfoximines. <i>Organic Letters</i> , <b>2021</b> , 23, 6891-6894	3.4	3
624	Mechanochemical Syntheses of $\alpha$ -Containing Heterocycles with TosMIC. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 14213-14222	4.2	6
623	The Sulfilimine Analogue of Allicin, $\alpha$ -Allyl- $\beta$ -allyl- $\gamma$ -Cyanosulfilimine, Is Antimicrobial and Reacts with Glutathione. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	5
622	Novel Broccoli Sulforaphane-Based Analogues Inhibit the Progression of Pancreatic Cancer without Side Effects. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
621	Photocatalytic Fluoro Sulfoximidations of Styrenes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14238-14241	3.6	7
620	Photocatalytic Fluoro Sulfoximidations of Styrenes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14134-14137	16.4	25
619	Syntheses of Trifluoroethylated N-Heterocycles from Vinyl Azides and Togni's Reagent Involving 1,4-Hydrogen-Atom Transfer Reactions. <i>Organic Letters</i> , <b>2020</b> , 22, 4766-4770	6.2	4
618	Electro-Mechanochemical Atom Transfer Radical Cyclizations using Piezoelectric BaTiO <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16357-16360	16.4	23
617	Electro-Mechanochemical Atom Transfer Radical Cyclizations using Piezoelectric BaTiO <sub>3</sub> . <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16499	3.6	1
616	Direct Visualization of a Mechanochemically Induced Molecular Rearrangement. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13458-13462	16.4	18
615	[3+2]-Cycloadditions of N-Cyano Sulfoximines with 1,3-Dipoles. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 2761-2765	3.2	9
614	Direct Visualization of a Mechanochemically Induced Molecular Rearrangement. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13560-13564	3.6	5
613	1,2,6-Thiadiazine 1-Oxides: Unsaturated Three-Dimensional S,N-Heterocycles from Sulfonimidamides. <i>Organic Letters</i> , <b>2020</b> , 22, 2702-2706	6.2	7
612	The Use of Copper and Vanadium Mineral Ores in Catalyzed Mechanochemical Carbon-Carbon Bond Formations. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7262-7266	8.3	12

611	Chiral Analogues of PFI-1 as BET Inhibitors and Their Functional Role in Myeloid Malignancies. <i>ACS Medicinal Chemistry Letters</i> , <b>2020</b> , 11, 1928-1934	4.3	16
610	Mechanochemical Palladium-Catalyzed Carbonylative Reactions Using Mo(CO). <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 2576-2580	4.8	14
609	The mono-ADP-ribosyltransferase ARTD10 regulates the voltage-gated K channel Kv1.1 through protein kinase C delta. <i>BMC Biology</i> , <b>2020</b> , 18, 143	7.3	2
608	Mechanochemical Synthesis of 1,2,6-Thiadiazine 1-Oxides from Sulfonimidamides and the Fluorescence Properties of the Products. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 15760-15766	4.2	8
607	Synthesis of Benzothiadiazine-1-oxides by Rhodium-Catalyzed C-H Amidation/Cyclization. <i>Organic Letters</i> , <b>2020</b> , 22, 8842-8845	6.2	14
606	5-Carbonyl-1,3-oxazine-2,4-diones from -Cyanosulfoximines and Meldrum's Acid Derivatives. <i>Organic Letters</i> , <b>2020</b> , 22, 6667-6670	6.2	1
605	Use of Hypervalent Iodine Reagents in Visible Light-Promoted $\alpha$ -Ketoacylations of Sulfoximines with Aryl Alkynes. <i>Organic Letters</i> , <b>2020</b> , 22, 8937-8940	6.2	16
604	N-(2,3,5,6-Tetrafluoropyridyl)sulfoximines: synthesis, X-ray crystallography, and halogen bonding. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3896-3906	5.2	4
603	Conversion and degradation pathways of sulfoximines. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 5408-5423	58.5	50
602	Mechanochemie gasförmiger Reaktanten. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 3320-3335	3.6	37
601	From One-Pot NH-Sulfoximidations of Thiophene Derivatives to Dithienylethene-Type Photoswitches. <i>Organic Letters</i> , <b>2019</b> , 21, 4293-4297	6.2	16
600	Mechanochemical Copper-Catalyzed Asymmetric Michael-Type Friedel-Crafts Alkylation of Indoles with Arylidene Malonates. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9202-9205	4.8	19
599	Organocatalytic Synthesis of Sulfoximidoyl-Containing Carbamates from Sulfoximines and Morita-Baylis-Hillman Carbonates. <i>Organic Letters</i> , <b>2019</b> , 21, 3119-3122	6.2	5
598	3D Heterocycles from Sulfonimidamides by Sequential C-H Bond Alkenylation/Aza-Michael Cyclization. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5889-5892	4.8	15
597	Synthesis of acylglycerol derivatives by mechanochemistry. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 811-817	2.5	15
596	Regioselective Syntheses of 1,2-Benzothiazine 1-Imines by Rhodium-Catalyzed Annulation Reactions of Sulfondiimines. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 2000-2003	5.6	11
595	BN- and BO-Doped Inorganic-Organic Hybrid Polymers with Sulfoximine Core Units. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 12708-12711	4.8	13
594	Mechanosynthesis of Odd-Numbered Tetraaryl[ <i>n</i> ]cumulenes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12945-12949	16.4	26

593	Mechanosynthesis of Odd-Numbered Tetraaryl[n]cumulenes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13079-13088	16.4	30
592	Additions to N-Sulfinylamines as an Approach for the Metal-free Synthesis of Sulfonylimidamides: O-Benzotriazolyl Sulfonylimidates as Activated Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 19014-19020	3.6	9
591	Additions to N-Sulfinylamines as an Approach for the Metal-free Synthesis of Sulfonylimidamides: O-Benzotriazolyl Sulfonylimidates as Activated Intermediates. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19190-19196	2.9	7
590	Electrophilic Sulfoximinations of Thiols by Hypervalent Iodine Reagents. <i>Synthesis</i> , <b>2019</b> , 51, 271-275	16.4	133
589	Mechanochemistry of Gaseous Reactants. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 3285-3296	5.6	53
588	Mechanochemical Cobalt-Catalyzed C-H Bond Functionalizations by Ball Milling. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 1800-1804	16.4	47
587	Sulfoximinations of Benzylic C-H bonds by Photocatalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5863-5866	3.2	7
586	Synthesis of 3-Iodobenzofurans by Electrophilic Cyclization under Solventless Conditions in a Ball Mill. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 2458-2461	3.6	15
585	Sulfoximinations of Benzylic C-H bonds by Photocatalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5965-5968	8.3	59
584	Mechanochemical Oxidation and Cleavage of Lignin $\beta$ -O-4 Model Compounds and Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3242-3254	8.3	69
583	From Synthesis of Amino Acids and Peptides to Enzymatic Catalysis: A Bottom-Up Approach in Mechanochemistry. <i>ChemSusChem</i> , <b>2018</b> , 11, 1410-1420	5.6	10
582	N-Arylated Sulfoximines as Cross-Coupling Building Blocks. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 1088-1093	3.6	29
581	Mechanochemical Activation of Iron Cyano Complexes: A Prebiotic Impact Scenario for the Synthesis of $\alpha$ -Amino Acid Derivatives. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2447-2450	16.4	52
580	Mechanochemical Activation of Iron Cyano Complexes: A Prebiotic Impact Scenario for the Synthesis of $\alpha$ -Amino Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2423-2426	10	76
579	Papain-catalysed mechanochemical synthesis of oligopeptides by milling and twin-screw extrusion: application in the Julia-Colonna enantioselective epoxidation. <i>Green Chemistry</i> , <b>2018</b> , 20, 1262-1269	6.6	27
578	Sulforaphane Modifies Histone H3, Unpacks Chromatin, and Primes Defense. <i>Plant Physiology</i> , <b>2018</b> , 176, 2395-2405	16.4	133
577	Nondirected Copper-Catalyzed Sulfoxidations of Benzylic C-H Bonds. <i>Organic Letters</i> , <b>2018</b> , 20, 2076-2079	3.6	9
576	Three-Dimensional Heterocycles by Iron-Catalyzed Ring-Closing Sulfoxide Imidation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12229-12232		

575	Cobalt-Catalyzed Oxidation of the C-O-C Bond in Lignin and Lignin Model Compounds. <i>ACS Omega</i> , <b>2018</b> , 3, 8386-8392	3.9	19
574	Photocatalytic Additions of 1-Sulfoximidoyl-1,2-Benziodoxoles to Styrenes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14942-14945	4.8	20
573	Three-Dimensional Heterocycles by Iron-Catalyzed Ring-Closing Sulfoxide Imidation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 12053-12056	16.4	36
572	Mechanochemical Rhodium(III)- and Gold(I)-Catalyzed C-H Bond Alkynylations of Indoles under Solventless Conditions in Mixer Mills. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10723-10727	16.4	45
571	Altering Copper-Catalyzed A3 Couplings by Mechanochemistry: One-Pot Synthesis of 1,4-Diamino-2-butyne from Aldehydes, Amines, and Calcium Carbide. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10878-10882	3.6	18
570	Altering Copper-Catalyzed A Couplings by Mechanochemistry: One-Pot Synthesis of 1,4-Diamino-2-butyne from Aldehydes, Amines, and Calcium Carbide. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 10718-10722	16.4	55
569	Mechanistic studies of base-catalysed lignin depolymerisation in dimethyl carbonate. <i>Green Chemistry</i> , <b>2018</b> , 20, 170-182	10	53
568	Tetrahydrobenzo[c]thieno[2,1-e]isothiazole 4-Oxides: Three-Dimensional Heterocycles as Cross-Coupling Building Blocks. <i>Organic Letters</i> , <b>2018</b> , 20, 116-118	6.2	25
567	Iron(II)-Catalyzed Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 330-333	3.6	19
566	Iron(II)-Catalyzed Direct Synthesis of NH Sulfoximines from Sulfoxides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 324-327	16.4	46
565	Organocatalytic Asymmetric Allylic Alkylations of Sulfoximines. <i>Organic Letters</i> , <b>2018</b> , 20, 7367-7370	6.2	15
564	Copper-Catalyzed Transsulfonamidation of Sulfonamides as a Key Step in the Preparation of Sulfonamides and Sulfonimidamides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15602-15605	16.4	24
563	From beech wood to itaconic acid: case study on biorefinery process integration. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 279	7.8	38
562	Copper-Catalyzed Transsulfonamidation of Sulfonamides as a Key Step in the Preparation of Sulfonamides and Sulfonimidamides. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15828-15831	3.6	10
561	Transition-Metal-Free Arylations of In-Situ Generated Sulfenates with Diaryliodonium Salts. <i>Organic Letters</i> , <b>2018</b> , 20, 7104-7106	6.2	24
560	Photocatalytic difunctionalizations of alkenes with N-SCN sulfoximines. <i>Chemical Communications</i> , <b>2018</b> , 54, 5772-5775	5.8	36
559	Mechanochemical dehydrocoupling of dimethylamine borane and hydrogenation reactions using Wilkinson's catalyst. <i>Chemical Communications</i> , <b>2018</b> , 54, 8355-8358	5.8	22
558	Mechanochemical Rhodium(III)- and Gold(I)-Catalyzed C-H Bond Alkynylations of Indoles under Solventless Conditions in Mixer Mills. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10883-10887	3.6	22

557	Rhodium(III)-Catalyzed Ortho Halogenations of N-Acylsulfoximines and Synthetic Applications toward Functionalized Sulfoximine Derivatives. <i>Organic Letters</i> , <b>2017</b> , 19, 726-729	6.2	38
556	Rhodium(III)-Catalyzed Annulation of N-Methoxybenzamides with Heterobicyclic Alkenes by C-H Functionalization: Synthesis of Benzo[b]phenanthridinones. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1203-1206	3.2	27
555	Altering Product Selectivity by Mechanochemistry. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 4007-4019	4.2	319
554	Design, Synthesis, and Evaluation of N-(tert-Butyl)-Alanine-Derived Chiral Ligands [Aspects of Reactivity and Diastereoselectivity in the Reactions with $\alpha$ -Amino Acids. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 3211-3221	3.2	2
553	Synthesis of N-Propargylsulfoximines by Copper-Catalyzed A-Couplings. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 12100-12103	4.8	13
552	Sulfoximines as ATR inhibitors: Analogs of VE-821. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 2659-2662	2.9	16
551	Mechanoenzymatic peptide and amide bond formation. <i>Green Chemistry</i> , <b>2017</b> , 19, 2620-2625	10	69
550	Mechanochemical indole synthesis by rhodium-catalysed oxidative coupling of acetanilides and alkynes under solventless conditions in a ball mill. <i>Green Chemistry</i> , <b>2017</b> , 19, 2520-2523	10	62
549	Organocatalytic Chemoselective Primary Alcohol Oxidation and Subsequent Cleavage of Lignin Model Compounds and Lignin. <i>ChemSusChem</i> , <b>2017</b> , 10, 2707-2713	8.3	70
548	Dibenzothiophene Sulfoximine as an NH <sub>3</sub> Surrogate in the Synthesis of Primary Amines by Copper-Catalyzed C-X and C-H Bond Amination. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9660-9663	3.6	10
547	Dibenzothiophene Sulfoximine as an NH Surrogate in the Synthesis of Primary Amines by Copper-Catalyzed C-X and C-H Bond Amination. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9532-9535	16.4	43
546	1,2-Benzothiazines from Sulfoximines and Allyl Methyl Carbonate by Rhodium-Catalyzed Cross-Coupling and Oxidative Cyclization. <i>Organic Letters</i> , <b>2017</b> , 19, 1706-1709	6.2	55
545	Access to N-cyanosulfoximines by transition metal-free iminations of sulfoxides. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 1086-1090	3.9	22
544	An Iodine-Mediated Hofmann-Löffler-Freytag Reaction of Sulfoximines Leading to Dihydroisothiazole Oxides. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 4274-4277	5.6	34
543	Microwave-Assisted Synthesis of Heterocycles by Rhodium(III)-Catalyzed Annulation of N-Methoxyamides with $\beta$ -Chloroaldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15921-15925	16.4	25
542	Microwave-Assisted Synthesis of Heterocycles by Rhodium(III)-Catalyzed Annulation of N-Methoxyamides with $\beta$ -Chloroaldehydes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16137-16141	3.6	6
541	Copper-Catalyzed C(sp)-S Coupling Reactions for the Synthesis of Aryl Dithiocarbamates with Thiuram Disulfide Reagents. <i>Organic Letters</i> , <b>2017</b> , 19, 5916-5919	6.2	51
540	Rhodium-Catalyzed [4 + 3] Annulations of Sulfoximines with $\beta$ -Unsaturated Ketones Leading to 1,2-Benzothiazepine 1-Oxides. <i>Organic Letters</i> , <b>2017</b> , 19, 6020-6023	6.2	46

539	Selective enzymatic esterification of lignin model compounds in the ball mill. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 1788-1795	2.5	29
538	Organocatalytic Asymmetric Synthesis of trans- $\beta$ -Lactams. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 13884-13892	4.3	23
537	Anti-glioma Activity of Dapsone and Its Enhancement by Synthetic Chemical Modification. <i>Neurochemical Research</i> , <b>2017</b> , 42, 3382-3389	4.6	22
536	Mechanistic Investigation of the Catalyzed Cleavage for the Lignin $\beta$ O-4 Linkage: Implications for Vanillin and Vanillic Acid Formation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 9818-9825	8.3	50
535	Sulfoximidoyl-Containing Hypervalent Iodine(III) Reagents: 1-Sulfoximidoyl-1,2-benziodoxoles. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 11854-11858	4.2	24
534	Organic Dye-Catalyzed Atom Transfer Radical Addition-Elimination (ATRE) Reaction for the Synthesis of Perfluoroalkylated Alkenes. <i>Organic Letters</i> , <b>2017</b> , 19, 4295-4298	6.2	44
533	Mechanochemical Ruthenium-Catalyzed Hydroarylations of Alkynes under Ball-Milling Conditions. <i>Organic Letters</i> , <b>2017</b> , 19, 6284-6287	6.2	41
532	Rhodium-catalyzed Synthesis of 1-(Acylamino)isoquinolines through Direct Annulative Coupling of 3-Aryl-1,2,4-oxadiazoles with Alkynes. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1347-1349	1.7	6
531	Mechanochemical Rhodium(III)-Catalyzed C-H Bond Amidation of Arenes with Dioxazolones under Solventless Conditions in a Ball Mill. <i>ACS Catalysis</i> , <b>2017</b> , 7, 4592-4596	13.1	97
530	Sulfoximines from a Medicinal Chemists Perspective: Physicochemical and in vitro Parameters Relevant for Drug Discovery. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 126, 225-245	6.8	217
529	Mechanochemical Lignin-Mediated Strecker Reaction. <i>Molecules</i> , <b>2017</b> , 22,	4.8	19
528	Mechanistic Insights into the Iridium-Catalyzed Hydrogenations of $\alpha,\beta$ -Unsaturated Ketones. <i>ChemCatChem</i> , <b>2016</b> , 8, 3099-3106	5.2	11
527	Lithium Sulfoximidoyl Carbanions. <i>Synlett</i> , <b>2016</b> , 27, 2201-2204	2.2	1
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525	Synthesis of Sulfoximidoyl-Containing Hypervalent Iodine(III) Reagents and Their Use in Transition-Metal-Free Sulfoximidations of Alkynes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12845-12848	3.6	16
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521	Mechanochemical Iridium(III)-Catalyzed C-H Bond Amidation of Benzamides with Sulfonyl Azides under Solvent-Free Conditions in a Ball Mill. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3781-4	16.4	131
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514	Mechanochemical Enzymatic Kinetic Resolution of Secondary Alcohols under Ball-Milling Conditions. <i>ChemCatChem</i> , <b>2016</b> , 8, 1769-1772	5.2	61
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505	Sulfur Imidations by Light-Induced Ruthenium-Catalyzed Nitrene Transfer Reactions. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 2854-2860	3.2	49
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502	Cleavage and Diastereoselective Synthesis of Mono- and Dilignol $\beta$ O-4 Model Compounds. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2015</b> , 105-116	0.3	
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500	Sulfur imidations: access to sulfimides and sulfoximines. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 3378-90	58.5	189
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426	Base-Catalyzed Synthesis of Substituted Indazoles under Mild, Transition-Metal-Free Conditions. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 7657-7661	3.6	24
425	One-Pot Zinc-Promoted Asymmetric Alkynylation/Brook-Type Rearrangement/Ene-Allene Cyclization: Highly Selective Formation of Three New Bonds and Two Stereocenters in Acyclic Systems. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 13962-13966	3.6	22
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399	Enantioselective organocatalytic synthesis of quaternary amino acids bearing a CF <sub>3</sub> moiety. <i>Organic Letters</i> , <b>2011</b> , 13, 1044-7	6.2	110
398	Copper-catalyzed direct sulfoximation of azoles and polyfluoroarenes under ambient conditions. <i>Organic Letters</i> , <b>2011</b> , 13, 359-61	6.2	160
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386	Metal-Free Synthesis of N-Cyano-Substituted Sulfilimines and Sulfoximines. <i>Synthesis</i> , <b>2010</b> , 2010, 2922-2925	2.2	5
385	Copper-catalyzed one-pot synthesis of $\alpha$ -functionalized imidates. <i>Chemical Communications</i> , <b>2010</b> , 46, 5494-6	5.8	46
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383	Silylated pyrrolidines as catalysts for asymmetric Michael additions of aldehydes to nitroolefins. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 12549-52	4.8	39
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