

Richmond Lee

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,392
citations

101496

36
h-index

106281

65
g-index

82
all docs

82
docs citations

82
times ranked

4774
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-State Photoinduced Luminescence Switch for Advanced Anticounterfeiting and Super-Resolution Imaging Applications. <i>Journal of the American Chemical Society</i> , 2017, 139, 16036-16039.	6.6	323
2	An Airâ€Stable Copper Reagent for Nucleophilic Trifluoromethylthiolation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1548-1552.	7.2	281
3	Kinetically Blocked Stable Heptazethrene and Octazethrene: Closed-Shell or Open-Shell in the Ground State?. <i>Journal of the American Chemical Society</i> , 2012, 134, 14913-14922.	6.6	256
4	Copper-Mediated Câ€H Activation/Câ€S Cross-Coupling of Heterocycles with Thiols. <i>Journal of Organic Chemistry</i> , 2011, 76, 8999-9007.	1.7	230
5	Stable Tetrabenzo-Chichibabinâ€™s Hydrocarbons: Tunable Ground State and Unusual Transition between Their Closed-Shell and Open-Shell Resonance Forms. <i>Journal of the American Chemical Society</i> , 2012, 134, 14513-14525.	6.6	218
6	Capturing snapshots of post-synthetic metallation chemistry in metalâ€organic frameworks. <i>Nature Chemistry</i> , 2014, 6, 906-912.	6.6	178
7	Catalytic Enantioselective Addition of Prochiral Radicals to Vinylpyridines. <i>Journal of the American Chemical Society</i> , 2019, 141, 5437-5443.	6.6	167
8	Direct Asymmetric Vinylogous Aldol Reaction of Allyl Ketones with Isatins: Divergent Synthesis of 3â€Hydroxyâ€Oxindole Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6666-6670.	7.2	158
9	Visible Light Photocatalytic Aerobic Oxygenation of Indoles and pH as a Chemoselective Switch. <i>ACS Catalysis</i> , 2016, 6, 6853-6860.	5.5	143
10	Cooperative Effect of Silver in Copper-Catalyzed Trifluoromethylation of Aryl Iodides Using Me ₃ SiCF ₃ . <i>Organometallics</i> , 2011, 30, 3229-3232.	1.1	139
11	Synthesis of a Chiral Quaternary Carbon Center Bearing a Fluorine Atom: Enantioâ€and Diastereoselective Guanidineâ€Catalyzed Addition of Fluorocarbon Nucleophiles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3627-3631.	7.2	138
12	Formal enantioconvergent substitution of alkyl halides via catalytic asymmetric photoredox radical coupling. <i>Nature Communications</i> , 2018, 9, 2445.	5.8	130
13	Highly Enantioâ€and Diastereoselective Reactions of Î³-Substituted Butenolides Through Direct Vinylogous Conjugate Additions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10069-10073.	7.2	124
14	An enantioconvergent halogenophilic nucleophilic substitution (S _N 2X) reaction. <i>Science</i> , 2019, 363, 400-404.	6.0	100
15	A Photoexcitationâ€Induced Twisted Intramolecular Charge Shuttle. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7073-7077.	7.2	79
16	The evolution of multiple active site configurations in a designed enzyme. <i>Nature Communications</i> , 2018, 9, 3900.	5.8	75
17	Chiral acid-catalysed enantioselective Câ€H functionalization of toluene and its derivatives driven by visible light. <i>Nature Communications</i> , 2019, 10, 1774.	5.8	74
18	Chemoselective Switch in the Asymmetric Organocatalysis of 5-Hydroxyoxazolâ€ones and N-taconnimides: Additionâ€Protonation or [4+2] Cycloaddition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1299-1303.	7.2	72

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19	Visible light-induced selective aerobic oxidative transposition of vinyl halides using a tetrahalogenoferrate(<i>iii</i>) complex catalyst. <i>Organic Chemistry Frontiers</i> , 2018, 5, 380-385.	2.3	71
20	A concise, efficient synthesis of sugar-based benzothiazoles through chemoselective intramolecular C–S coupling. <i>Chemical Science</i> , 2012, 3, 2388.	3.7	67
21	Highly Enantio- and Diastereoselective Synthesis of <i>1,2</i> -Methyl- <i>1,3</i> -monofluoromethyl-Substituted Alcohols. <i>Chemistry - A European Journal</i> , 2011, 17, 8066-8070.	1.7	61
22	A Unified Push–Pull Model for Understanding the Ring-Opening Mechanism of Rhodamine Dyes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3793-3801.	1.5	58
23	Why are <i>sec</i> -alkylperoxyl bimolecular self-reactions orders of magnitude faster than the analogous reactions of <i>tert</i> -alkylperoxyls? The unanticipated role of CH hydrogen bond donation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23673-23679.	1.3	56
24	Sequential Photoredox Catalysis for Cascade Aerobic Decarboxylative Povarov and Oxidative Dehydrogenation Reactions of <i>N</i> -Aryl <i>1,2</i> -Amino Acids. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1754-1760.	2.1	56
25	Asymmetric NHC-Catalyzed Aza-Diels–Alder Reactions: Highly Enantioselective Route to <i>1,2</i> -Amino Acid Derivatives and DFT Calculations. <i>Organic Letters</i> , 2014, 16, 3872-3875.	2.4	54
26	(Guanidine)copper Complex-Catalyzed Enantioselective Dynamic Kinetic Allylic Alkynylation under Biphasic Condition. <i>Journal of the American Chemical Society</i> , 2018, 140, 8448-8455.	6.6	54
27	Complementary C–H Functionalization Mode of Benzoylacetoneitriles: Computer-Augmented Study of a Regio- and Stereoselective Synthesis of Functionalized Benzofulvenes. <i>Organic Letters</i> , 2020, 22, 46-51.	2.4	52
28	Asymmetric [4 + 2] annulation of 5H-thiazol-4-ones with a chiral dipeptide-based Brønsted base catalyst. <i>Chemical Science</i> , 2016, 7, 6060-6067.	3.7	44
29	Guanidine-catalyzed enantioselective desymmetrization of meso-aziridines. <i>Chemical Communications</i> , 2011, 47, 3897.	2.2	41
30	The origin of enantioselectivity in the <i>l</i> -threonine-derived phosphine–sulfonamide catalyzed aza-Morita–Baylis–Hillman reaction: effects of the intramolecular hydrogen bonding. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4818.	1.5	41
31	Highly Enantio- and Diastereoselective Allylic Alkylation of Morita–Baylis–Hillman Carbonates with Allyl Ketones. <i>Journal of Organic Chemistry</i> , 2013, 78, 5067-5072.	1.7	40
32	Termination Mechanism of the Radical Polymerization of Acrylates. <i>Macromolecular Rapid Communications</i> , 2016, 37, 506-513.	2.0	39
33	Enantioselective Vinylogous Amination of 5-Alkyl-4-nitroisoxazoles with a Dipeptide-Based Guanidinium Phase-Transfer Catalyst. <i>Organic Letters</i> , 2018, 20, 429-432.	2.4	36
34	Guanidine–Copper Complex Catalyzed Allylic Borylation for the Enantioconvergent Synthesis of Tertiary Cyclic Allylboronates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2382-2386.	7.2	36
35	Electronic effects of ruthenium-catalyzed [3+2]-cycloaddition of alkynes and azides. <i>Tetrahedron</i> , 2010, 66, 9415-9420.	1.0	34
36	Lewis Base Catalyzed Enantioselective Allylic Hydroxylation of Morita–Baylis–Hillman Carbonates with Water. <i>Journal of Organic Chemistry</i> , 2011, 76, 6894-6900.	1.7	33

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37	Kinetic Evidence of an Apparent Negative Activation Enthalpy in an Organocatalytic Process. <i>Scientific Reports</i> , 2013, 3, 2557.	1.6	33
38	Selective formation of bicyclic guanidinium chloride complexes: implication of the bifunctionality of guanidines. <i>Tetrahedron Letters</i> , 2009, 50, 1560-1562.	0.7	29
39	RAFT-based Polystyrene and Polyacrylate Melts under Thermal and Mechanical Stress. <i>Macromolecules</i> , 2013, 46, 8079-8091.	2.2	29
40	Half-Sandwich Ruthenium Phenolate-Oxazoline Complexes: Experimental and Theoretical Studies in Catalytic Transfer Hydrogenation of Nitroarene. <i>Organometallics</i> , 2018, 37, 40-47.	1.1	29
41	Enantioselective 1,2-Anionotropic Rearrangement of Acylsilane through a Bisguanidinium Silicate Ion Pair. <i>Journal of the American Chemical Society</i> , 2018, 140, 1952-1955.	6.6	26
42	Mechanistic insights into ozone-initiated oxidative degradation of saturated hydrocarbons and polymers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 24663-24671.	1.3	25
43	Kinetic and Dynamic Kinetic Resolution of Racemic Tertiary Bromides by Pentanidium-Catalyzed Phase-Transfer Azidation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9055-9058.	7.2	25
44	A Novel heteroleptic paddlewheel diruthenium bicyclic guanidinate complex: Synthesis, structure, and scope. <i>Dalton Transactions</i> , 2010, 39, 723-725.	1.6	22
45	Chemoselective Switch in the Asymmetric Organocatalysis of 5-Hydroxyoxazolones and N-taconnimides: Addition-Protonation or [4+2] Cycloaddition. <i>Angewandte Chemie</i> , 2016, 128, 1321-1325.	1.6	20
46	Highly Enantio- and Diastereoselective [4 + 2] Cycloaddition of 5-Hydroxy-oxazol-4-ones with N-Maleimides. <i>Journal of Organic Chemistry</i> , 2016, 81, 8061-8069.	1.7	18
47	A Photoexcitation-Induced Twisted Intramolecular Charge Shuttle. <i>Angewandte Chemie</i> , 2019, 131, 7147-7151.	1.6	17
48	Asymmetric tandem conjugate addition-protonation to forge chiral secondary C-O bonds for quaternary carbon stereocenters at the nonadjacent β^2 -position. <i>Chemical Communications</i> , 2017, 53, 7493-7496.	2.2	16
49	Bisguanidinium-Catalyzed Epoxidation of Allylic and Homoallylic Amines under Phase Transfer Conditions. <i>ACS Catalysis</i> , 2020, 10, 2684-2691.	5.5	15
50	Establishing the True Structure of the Sorbicillinoid-Derived Isolate Rezishanone C by Total Synthesis. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1480-1484.	1.7	13
51	New insights into 1,2,4-trioxolane stability and the crucial role of ozone in promoting polymer degradation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16428.	1.3	12
52	Enantioselective Addition-Alkylation of β,β -Unsaturated Carbonyls via Bisguanidinium Silicate Ion Pair Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 19065-19070.	6.6	11
53	Comparison of the One-Electron Oxidations of CO-Bridged vs Unbridged Bimetallic Complexes: Electron-Transfer Chemistry of $\text{Os}_2\text{Cp}_2(\text{CO})_4$ and $\text{Os}_2\text{Cp}^*(\mu\text{-CO})_2(\text{CO})_2$ ($\text{Cp} = \text{Tf}$). <i>Organometallics</i> , 2014, 33, 4716-4728.	1.0784314	97
54	A ruthenium bisoxazoline complex as a photoredox catalyst for nitro compound reduction under visible light. <i>Dalton Transactions</i> , 2019, 48, 9949-9953.	1.6	9

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55	Guanidine-Copper Complex Catalyzed Allylic Borylation for the Enantioconvergent Synthesis of Tertiary Cyclic Allylboronates. <i>Angewandte Chemie</i> , 2019, 131, 2404-2408.	1.6	8
56	Kinetic and Dynamic Kinetic Resolution of Racemic Tertiary Bromides by Pentanidium-Catalyzed Phase-Transfer Azidation. <i>Angewandte Chemie</i> , 2020, 132, 9140-9143.	1.6	8
57	Postsynthetic Modification of Half-Sandwich Ruthenium Complexes by Mechanochemical Synthesis. <i>Inorganic Chemistry</i> , 2021, 60, 4313-4321.	1.9	8
58	Pentanidium-Catalyzed Direct Assembly of Vicinal All-Carbon Quaternary Stereocenters through C(sp ³)-C(sp ³) Bond Formation. <i>Journal of the American Chemical Society</i> , 2021, 143, 10000-10007.	4.8	7
59	Catalytic Diastereoselective Tandem Conjugate Addition-Elimination Reaction of Morita-Baylis-Hillman Adducts by C-C Bond Cleavage. <i>Chemistry - an Asian Journal</i> , 2012, 7, 771-777.	1.7	6
60	Importance of thorough conformational analysis in modelling transition metal-mediated reactions: Case studies on pincer complexes containing phosphine groups. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 1206-1218.	2.4	6
61	DFT mechanistic study of the selective terminal C-H activation of n-pentane with a tungsten allyl nitrosyl complex. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 558-562.	2.4	3
62	Theoretical Investigation of Oxidative Cleavage of Cholesterol by Dual O ₂ Activation and Sulfide Reduction. <i>Australian Journal of Chemistry</i> , 2016, 69, 933.	0.5	2
63	Direct S _N 2 or S _N 2X Mechanistic Study of Ion-Pair-Catalyzed Carbon(sp ³)-Carbon(sp ³) Bond Formation. <i>Journal of Organic Chemistry</i> , 2022, 87, 4029-4039.	1.7	1
64	InnenrÄ¼cktitelbild: Direct Asymmetric Vinylogous Aldol Reaction of Allyl Ketones with Isatins: Divergent Synthesis of 3-Hydroxy-2-Oxindole Derivatives (<i>Angew. Chem.</i> 26/2013). <i>Angewandte Chemie</i> , 2013, 125, 6919-6919.	1.6	0