

Kai Chen

List of Publications by Year in descending order

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236612

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96
times ranked

1690
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Catalyzed Intramolecular Nucleophilic Addition of Carbonyl Groups to Alkynes. <i>CheM</i> , 2018, 4, 1208-1262.	5.8	197
2	Dual Catalysis: Proton/Metal-Catalyzed Tandem Benzofuran Annulation/Carbene Transfer Reaction. <i>Organic Letters</i> , 2016, 18, 1322-1325.	2.4	82
3	Structure and Chemistry of the Heteronuclear Oxo-Cluster [VPO ₄] ⁴⁺ : A Model System for the Gas-Phase Oxidation of Small Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2013, 135, 3711-3721.	6.6	66
4	Potassium Thioacids Mediated Selective Amide and Peptide Constructions Enabled by Visible Light Photoredox Catalysis. <i>ACS Catalysis</i> , 2016, 6, 1732-1736.	5.5	60
5	A Route to Polysubstituted Aziridines from Carbenes and Imines through a Nondiazo Approach. <i>Organic Letters</i> , 2016, 18, 5208-5211.	2.4	57
6	Selective C–F Bond Allylation of Trifluoromethylalkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20237-20242.	7.2	53
7	Computational Exploration of Zinc Binding Groups for HDAC Inhibition. <i>Journal of Organic Chemistry</i> , 2013, 78, 5051-5055.	1.7	51
8	Inhibition and Mechanism of HDAC8 Revisited. <i>Journal of the American Chemical Society</i> , 2014, 136, 11636-11643.	6.6	51
9	Theoretical studies on the antioxidant activity of viniferifuran. <i>New Journal of Chemistry</i> , 2019, 43, 15736-15742.	1.4	50
10	Synergistic Catalysis: Metal/Proton-Catalyzed Cyclization of Alkynones Toward Bicyclo[3.1.1]alkanones. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9414-9418.	7.2	46
11	Thermal Activation of Methane and Ethene by Bare MO ₂ (M=Ge, Sn, and Pb): A Combined Theoretical/Experimental Study. <i>Chemistry - A European Journal</i> , 2011, 17, 9619-9625.	1.7	45
12	Photocatalytic C–F Bond Borylation of Polyfluoroarenes with NHC-boranes. <i>Organic Letters</i> , 2020, 22, 1742-1747.	2.4	43
13	Rapid Access to α -Methylene Tetrahydrofurans and β -Lactones: A Tandem Four-Step Process. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2587-2591.	7.2	35
14	Rhodomentones A and B, novel meroterpenoids with unique NMR characteristics from <i>Rhodomyrtus tomentosa</i> . <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7354-7360.	1.5	35
15	Fixation of CO ₂ into Cyclic Carbonates by Halogen-Bonding Catalysis. <i>ChemSusChem</i> , 2021, 14, 738-744.	3.6	35
16	Enantioselective Rh(II)-Catalyzed Desymmetric Cycloisomerization of Diynes: Constructing Furan-Fused Dihydropiperidines with an Alkyne-Substituted Aza-Quaternary Stereocenter. <i>Journal of the American Chemical Society</i> , 2021, 143, 14916-14925.	6.6	35
17	Isolation and biomimetic total synthesis of tomentodiones A–B, terpenoid-conjugated phloroglucinols from the leaves of <i>Rhodomyrtus tomentosa</i> . <i>RSC Advances</i> , 2016, 6, 48231-48236.	1.7	34
18	Styrene as β -Component in Zn(II)-Catalyzed Intermolecular Diels–Alder/Ene Tandem Reaction. <i>Organic Letters</i> , 2016, 18, 3554-3557.	2.4	34

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19	Radical Scavenging Activity of Puerarin: A Theoretical Study. <i>Antioxidants</i> , 2019, 8, 590.	2.2	33
20	Asymmetric Total Synthesis of Dankasterones A and B and Periconiastone A Through Radical Cyclization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5512-5518.	7.2	33
21	Visible-Light-Driven Sulfonation of β -Trifluoromethylstyrenes: Access to Densely Functionalized CF ₃ -Substituted Tertiary Alcohol. <i>Organic Letters</i> , 2021, 23, 6558-6562.	2.4	30
22	Visible-Light-Induced, Palladium-Catalyzed 1,4-Difunctionalization of 1,3-Dienes with Bromodifluoroacetamides. <i>Organic Letters</i> , 2022, 24, 924-928.	2.4	29
23	Zinc-Catalyzed Tandem Diels-Alder Reactions of Enynals with Alkenes: Generation and Trapping of Cyclic α -Quinodimethanes (α -QDMs). <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2684-2691.	2.1	28
24	Selective C-F Bond Allylation of Trifluoromethylalkenes. <i>Angewandte Chemie</i> , 2021, 133, 20399-20404.	1.6	28
25	Rh ₂ (μ -O) ₂ -catalyzed enantioselective intramolecular B α chner reaction and aromatic substitution of donor-donor carbenes. <i>Chemical Science</i> , 2022, 13, 1992-2000.	3.7	28
26	Concise Construction of the Tricyclic Core of Bullataketals Enabled by a Biomimetic Intermolecular (3 + 3) Type Cycloaddition. <i>Organic Letters</i> , 2015, 17, 4050-4053.	2.4	27
27	One-Pot Synthesis of Indole Derivatives from the Reaction of Nitroalkynes and Alkynes via a Mercury-Carbene Intermediate. <i>Synthesis</i> , 2017, 49, 4173-4182.	1.2	27
28	Nickel-Catalyzed anti-Markovnikov Hydroalkylation of Trifluoromethylalkenes. <i>ACS Catalysis</i> , 2022, 12, 9410-9417.	5.5	26
29	Selagintriflavonoids with BACE1 inhibitory activity from the fern <i>Selaginella doederleinii</i> . <i>Phytochemistry</i> , 2017, 134, 114-121.	1.4	25
30	<i>o</i> -Perhalopyridin-4-yl Hydroxylamines: Amidyl-Radical Generation Scaffolds in Photoinduced Direct Amination of Heterocycles. <i>Organic Letters</i> , 2021, 23, 1643-1647.	2.4	25
31	Callviminols A-E, new terpenoid-conjugated phloroglucinols from the leaves of <i>Callistemon viminalis</i> . <i>F\ddot{A}-totetrap\ddot{A}</i> , 2016, 115, 142-147.	1.1	23
32	Photoredox-Catalyzed Cascade of <i>o</i> -Hydroxyarylenaminones to Access 3-Aminated Chromones. <i>Journal of Organic Chemistry</i> , 2022, 87, 1477-1484.	1.7	23
33	Electrochemical heterodifunctionalization of β -CF ₃ alkenes to access β -trifluoromethyl- γ -sulfonyl tertiary alcohols. <i>Chemical Communications</i> , 2021, 57, 8969-8972.	2.2	22
34	NHC-AuCl/Selectfluor: An Efficient Catalytic System for C-H Bond Activation. <i>Synlett</i> , 2017, 28, 640-653.	1.0	20
35	Photocatalytic intermolecular anti-Markovnikov hydroamination of unactivated alkenes with <i>N</i> -hydroxyphthalimide. <i>Organic Chemistry Frontiers</i> , 2021, 8, 273-277.	2.3	20
36	Photocatalytic Cyclization/Defluorination Domino Sequence to Access 3-Fluoro-1,5-dihydro- <i>H</i> -pyrrol-2-one Scaffold. <i>Organic Letters</i> , 2021, 23, 4754-4758.	2.4	20

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37	Synergy of activating substrate and introducing C-H...O interaction to achieve Rh2(II)-catalyzed asymmetric cycloisomerization of 1,n-enynes. <i>Science China Chemistry</i> , 2020, 63, 1230-1239.	4.2	19
38	Cerrenins A-C, cerapicane and isohirsutane sesquiterpenoids from the endophytic fungus <i>Cerrena</i> sp. <i>F&A-terap&A-ç</i> , 2018, 129, 173-178.	1.1	18
39	Photochemical Organocatalytic Aerobic Cleavage of C=C Bonds Enabled by Charge-Transfer Complex Formation. <i>Organic Letters</i> , 2022, 24, 3920-3925.	2.4	18
40	Cytosporins A-D, novel benzophenone derivatives from the endophytic fungus <i>Cytospora rhizophorae</i> A761. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2346-2350.	1.5	17
41	Protein dynamics and structural waters in bromodomains. <i>PLoS ONE</i> , 2017, 12, e0186570.	1.1	17
42	Iron/zinc-catalyzed benzannulation reactions of 2-(2-oxo-alkyl)benzketones leading to naphthalene and isoquinoline derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1028-1033.	2.3	16
43	Visible Light-Promoted Radical Relay Cyclization/C=C Bond Formation of <i>N</i> -Allylbromodifluoroacetamides with Quinoxalin-2(1 <i>H</i>)-ones. <i>Journal of Organic Chemistry</i> , 2021, 86, 17173-17183.	1.7	16
44	Visible-Light-Promoted Hydroxydifluoroalkylation of Alkenes Enabled by Electron Donor-Acceptor Complex. <i>Organic Letters</i> , 2021, 23, 9474-9479.	2.4	16
45	Rapid Access to α -Methylene Tetrahydrofurans and β -Lactones: A Tandem Four-Step Process. <i>Angewandte Chemie</i> , 2016, 128, 2633-2637.	1.6	14
46	Nudibaccatumone, a Trimer Comprising a Phenylpropanoid and Two Sesquiterpene Moieties from <i>Piper nudibaccatum</i> . <i>Journal of Natural Products</i> , 2013, 76, 732-736.	1.5	13
47	Selectivity-switchable oxidation of tetraarylethylenes to fused polycyclic compounds. <i>Chemical Communications</i> , 2016, 52, 13345-13348.	2.2	13
48	New neolignans from <i>Selaginella picta</i> and their protective effect on HT-22 cells. <i>F&A-terap&A-ç</i> , 2018, 127, 69-73.	1.1	13
49	Therapeutic potential of targeting MKK3-p38 axis with Capsaicin for Nasopharyngeal Carcinoma. <i>Theranostics</i> , 2020, 10, 7906-7920.	4.6	13
50	<i>N,N,N,N</i> -Tetramethylethylenediamine-Enabled Photoredox-Catalyzed C^H Methylation of <i>N</i> -Heteroarenes. <i>Journal of Organic Chemistry</i> , 2021, 86, 11905-11914.	1.7	13
51	Enantioselective formal [3+2]-cycloadditions to access spirooxindoles bearing four contiguous stereocenters through synergistic catalysis. <i>Chemical Communications</i> , 2021, 57, 4456-4459.	2.2	13
52	Visible-Light-Induced, Palladium-Catalyzed Annulation of 1,3-Dienes to Construct Vinyl <i>N</i> -Heterocycles. <i>Organic Letters</i> , 2022, 24, 5407-5411.	2.4	13
53	Rhizophols A and B, antioxidant and axially chiral benzophenones from the endophytic fungus <i>Cytospora rhizophorae</i> . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 10009-10012.	1.5	12
54	Antibacterial sesquiterpenes from the stems and roots of <i>Thuja sutchuenensis</i> . <i>Bioorganic Chemistry</i> , 2020, 96, 103645.	2.0	12

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55	Visible-light-promoted olefinic trifluoromethylation of enamides with $\text{CF}_3\text{SO}_2\text{Na}$. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7475-7479.	1.5	12
56	Visible-Light-Driven, Photocatalyst-Free Cascade to Access 3-Cyanoalkyl Coumarins from ortho-Hydroxycinnamic Esters. <i>Journal of Organic Chemistry</i> , 2021, 86, 4245-4253.	1.7	12
57	Theoretical study on the radical scavenging activity and mechanism of four kinds of Gnetin molecule. <i>Food Chemistry</i> , 2022, 378, 131975.	4.2	12
58	Revisiting the effect of σ -functions in predicting the right reaction mechanism for hypervalent iodine reagents. <i>Journal of Computational Chemistry</i> , 2021, 42, 470-474.	1.5	10
59	Enantioselectivity-Switchable Organocatalytic [4 + 2]-Annulation to Access the Spirooxindole "Norcamphor Scaffold. <i>Organic Letters</i> , 2021, 23, 963-968.	2.4	10
60	Visible-Light-Promoted Cross-Coupling of <i>O</i> -Aryl Oximes and Nitrostyrenes to Access Cyanoalkylated Alkenes. <i>Organic Letters</i> , 2022, 24, 4640-4644.	2.4	10
61	An efficient approach to generate aryl carbenes: gold-catalyzed sequential activation of 1,6-diynes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 450-454.	2.3	9
62	A phosphine-mediated domino sequence of salicylaldehyde with but-3-yn-2-one: rapid access to chromanone. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8916-8920.	1.5	9
63	Dezocine, An Opioid Analgesic, Exerts Antitumor Effects in Triple-Negative Breast Cancer by Targeting Nicotinamide Phosphoribosyltransferase. <i>Frontiers in Pharmacology</i> , 2021, 12, 600296.	1.6	9
64	Photocatalyzed Defluorinative Dichloromethylation of $\pm\text{-CF}_3$ Alkenes Using CHCl_3 as the Radical Source. <i>Journal of Organic Chemistry</i> , 2023, 88, 6354-6363.	1.7	9
65	$\text{Cu}(\text{scp})$ -Catalyzed stereoselective synthesis of trisubstituted <i>Z</i> -enol esters <i>via</i> interrupting the 1,3- <i>O</i> -transposition reaction. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2510-2514.	2.3	8
66	CuI -mediated benzannulation of (<i>ortho</i> -arylethynyl)phenylenaminones to assemble \pm -aminonaphthalene derivatives. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3250-3254.	2.3	8
67	Phosphonium Ylide-Mediated Programmable Fluorination to Access Mono- and Difluoromethylarenes. <i>Organic Letters</i> , 2021, 23, 2538-2542.	2.4	8
68	A phosphine-catalysed one-pot domino sequence to access cyclopentene-fused coumarins. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7074-7080.	1.5	7
69	Computational exploration of reactive fragment for mechanism-based inhibition of xanthine oxidase. <i>Journal of Organometallic Chemistry</i> , 2018, 864, 58-67.	0.8	6
70	Integrating amino acid oxidase with photoresponsive probe: A fast quantitative readout platform of amino acid enantiomers. <i>Talanta</i> , 2021, 224, 121894.	2.9	5
71	TBN-triggered, manipulable annulations of <i>o</i> -hydroxyarylenaminones for divergent syntheses of oximinochromanones and oximinocoumaranones. <i>Chemical Communications</i> , 2021, 57, 12285-12288.	2.2	5
72	Cycloaddition Reaction of Vinylphenylfurans and Dimethyl Acetylenedicarboxylate to [8 + 2] Isomers via Tandem [4 + 2]/Diradical Alkene "Alkene Coupling/[1,3]-H Shift Reactions: Experimental Exploration and DFT Understanding of Reaction Mechanisms. <i>Journal of Organic Chemistry</i> , 2016, 81, 8155-8168.	1.7	4

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73	Asymmetric Total Synthesis of Dankasteronesâ€¦A and B and Periconiastoneâ€¦A Through Radical Cyclization. <i>Angewandte Chemie</i> , 2021, 133, 5572-5578.	1.6	4
74	An organocatalytic enantioselective ring-reorganization domino sequence of methyleneindolinones with 2-aminomalonates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 778-783.	2.3	4
75	Predicting the right mechanism for hypervalent iodine reagents by applying two types of hypervalent twist models: apical twist and equatorial twist. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6758-6762.	1.3	4
76	Water-Mediated Attractive Interaction between Negatively Charged GO Nanosheets at the Airâ€“Water Interface. <i>Journal of Physical Chemistry C</i> , 2021, 125, 845-853.	1.5	4
77	Photoinduced Construction of a Benzothienopyridine- <i>S,S</i> -dioxide Framework Enabled by Polychloropyridyl Multifunctional Motifs. <i>Journal of Organic Chemistry</i> , 2022, 87, 4732-4741.	1.7	4
78	Mechanistic study on the radical scavenging activity of viniferins. <i>Journal of Molecular Structure</i> , 2022, 1260, 132830.	1.8	4
79	Synthesis, Fungicidal Activity, Structureâ€“Activity Relationship and Density Functional Theory Studies of Novel Oxime Ether Derivatives Containing 1-Aryl-3-Oxypyrazoles. <i>Journal of Chemical Research</i> , 2015, 39, 594-600.	0.6	3
80	Comparativeâ€“theoretical researches on the anti-oxidant activity of Î±-viniferin and Î¼-viniferin. <i>Journal of Molecular Structure</i> , 2021, 1245, 131062.	1.8	3
81	Facile synthesis of 5-hydroxy- <i>l</i> -lysine from <i>d</i> -galactose as a chiral-precursor. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7310.	1.5	2
82	Unveiling the abnormal effect of temperature on enantioselectivity in the palladium-mediated decarbonylative alkylation of MBH acetate. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5058-5063.	2.3	2
83	Phosphine-Mediated Moritaâ€“Baylisâ€“Hillman-Type/Wittig Cascade: Access to <i>E</i> -Configured 3-Styryl- and 3-(Benzopyrrole/furan-2-yl) Quinolinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 974-984.	1.7	2
84	Programmable iodization/deuterolysis sequences of phosphonium ylides to access deuterated benzyl iodides and aromatic aldehydes. <i>Chemical Communications</i> , 2022, 58, 4215-4218.	2.2	1
85	1,3â€“â€“Transposition or Trisubstituted <i>Z</i> -Enol Ester? A Comparative Study of Reactions of Yrones. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1941-1944.	1.7	0
86	Molecular simulation of adsorption thermodynamics and dynamics behavior of GOs at air-water interface. <i>Molecular Simulation</i> , 2021, 47, 1273-1281.	0.9	0
87	[3+2] vs [4+1] Annulation: Revisiting mechanism studies on phosphine-catalysed domino sequence of alkynoates and activated methylenes. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	1.5	0