

# Donghui Wei

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8531463/publications.pdf>

Version: 2024-02-01

257  
papers

9,679  
citations

46918

47  
h-index

53109

85  
g-index

260  
all docs

260  
docs citations

260  
times ranked

7232  
citing authors

#	ARTICLE	IF	CITATIONS
1	The mechanism and origin of selectivities for NHC-catalyzed synthesis of axially chiral benzothiophene/benzofuran-fused biaryls. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1662-1670.	1.5	11
2	Insight into fragmentation of a phosphirane to form phosphinidene complexes: an illustration with the 1-phenylselenylphosphirane $W(CO)_5$ complex. <i>Dalton Transactions</i> , 2022, 51, 3046-3050.	1.6	0
3	Organocatalytic insertion into C=C bonds by <i>in situ</i> generated carbene: mechanism, role of the catalyst, and origin of stereoselectivity. <i>Catalysis Science and Technology</i> , 2022, 12, 947-953.	2.1	18
4	Unraveling the mechanism and substituent effects on the N-heterocyclic carbene-catalyzed transformation reaction of enals and imines. <i>Molecular Catalysis</i> , 2022, 519, 112122.	1.0	8
5	Diradical Generation via Relayed Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2022, 144, 3137-3145.	6.6	29
6	Mechanism of a cobalt-catalyzed hydroarylation reaction and origin of stereoselectivity. <i>Catalysis Science and Technology</i> , 2022, 12, 4380-4387.	2.1	11
7	NHC-Catalyzed Transformation Reactions of Imines: Electrophilic versus Nucleophilic Attack. <i>Journal of Organic Chemistry</i> , 2022, 87, 7989-7994.	1.7	7
8	Cofactor-free ActVA-Orf6 monooxygenase catalysis <i>via</i> proton-coupled electron transfer: a QM/MM study. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5525-5534.	1.5	4
9	Dearomatization [4+2] Cycloaddition of Nonactivated Benzene Derivatives. <i>Organic Letters</i> , 2022, 24, 4404-4408.	2.4	5
10	Atroposelective isoquinolinone synthesis through cobalt-catalysed C-H activation and annulation. , 2022, 1, 709-718.		49
11	Desymmetrization of N-Cbz glutarimides through N-heterocyclic carbene organocatalysis. <i>Nature Communications</i> , 2022, 13, .	5.8	12
12	Insight into the organocatalytic arylation of azonaphthalenes with $\alpha$ -chloroaldehydes: the general mechanism and origin of selectivities. <i>Chemical Communications</i> , 2021, 57, 219-222.	2.2	29
13	Possible Mechanisms and Origin of Selectivities for Phosphine-Catalyzed [2+n] (n=3, 4) Annulations of Saturated Amines and $\alpha$ -Acetoxy Allenolates. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 619-625.	1.3	10
14	Predicting the origin of selectivity in NHC-catalyzed ring opening of formylcyclopropane: a theoretical investigation. <i>Catalysis Science and Technology</i> , 2021, 11, 332-337.	2.1	28
15	Is the reaction sequence in phosphine-catalyzed [8+2] cycloaddition controlled by electrophilicity?. <i>Chemical Communications</i> , 2021, 57, 761-764.	2.2	2
16	Theoretical study of the NHC-catalyzed C=S bond cleavage and reconstruction reaction: mechanism, stereoselectivity, and role of catalysts. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5352-5360.	2.3	16
17	Hetero-Diels-Alder reactions of 2H-phospholes with allenes: synthesis and functionalization of 6-methylene-1-phosphanorbornenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3740-3745.	2.3	10
18	Efficient carbon-based CsPbI <sub>2</sub> Br perovskite solar cells using bifunctional polymer modification. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3867-3875.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Theoretical model for N-heterocyclic carbene-catalyzed decarboxylation reactions. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3268-3273.	2.3	19
20	Insights into the chiral sulfide/selenide-catalyzed electrophilic carbethylation of alkynes: mechanism and origin of axial chirality. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1983-1990.	2.3	20
21	Asymmetric Carbene-Catalyzed Oxidation of Functionalized Aldimines as 1,4-Dipoles. <i>Angewandte Chemie</i> , 2021, 133, 7992-7998.	1.6	25
22	Sandwich structured aryl-diimine Pd (II)/Co (II) monolayer-Fabrication, catalytic performance, synergistic effect and mechanism investigation. <i>Molecular Catalysis</i> , 2021, 501, 111359.	1.0	6
23	Asymmetric Carbene-Catalyzed Oxidation of Functionalized Aldimines as 1,4-Dipoles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7913-7919.	7.2	39
24	Cu(OTf) <sub>2</sub> -Catalyzed Intramolecular Radical Cascade Reactions for the Diversity-Oriented Synthesis of Quinoline-Annulated Polyheterocyclic Frameworks. <i>Organic Letters</i> , 2021, 23, 1445-1450.	2.4	17
25	Multiple Functional Organocatalyst-Promoted Inert C=C Activation: Mechanism and Origin of Selectivities. <i>ACS Catalysis</i> , 2021, 11, 3443-3454.	5.5	38
26	Hydroboration Reaction and Mechanism of Carboxylic Acids using NaNH <sub>2</sub> (BH <sub>3</sub> ) <sub>2</sub> , a Hydroboration Reagent with Reducing Capability between NaBH <sub>4</sub> and LiAlH <sub>4</sub> . <i>Journal of Organic Chemistry</i> , 2021, 86, 5305-5316.	1.7	22
27	Over 14% Efficiency Single-Junction Organic Solar Cells Enabled by Reasonable Conformation Modulating in Naphtho[2,3-b:6,7-b']difuran Based Polymer. <i>Advanced Energy Materials</i> , 2021, 11, 2003954.	10.2	19
28	Theoretical Model for N-Heterocyclic Carbene-Catalyzed Desymmetrizing [4 + 1] and [4 + 2] Annulations of an Enal and Aryl aldehyde with 1,3-Cyclopentenedione. <i>Organic Letters</i> , 2021, 23, 2421-2425.	2.4	26
29	Exploring the fluorination effect on photophysical and photovoltaic properties of Benzo[1,2-c:4,5-c']dithiophene-4,8-dione copolymers. <i>Dyes and Pigments</i> , 2021, 187, 109109.	2.0	7
30	Non-fullerene acceptors with branched side chains and improved molecular packing to exceed 18% efficiency in organic solar cells. <i>Nature Energy</i> , 2021, 6, 605-613.	19.8	1,307
31	A mitochondrial-targeted ratiometric probe for detecting intracellular H <sub>2</sub> S with high photostability. <i>Chinese Chemical Letters</i> , 2021, 32, 1799-1802.	4.8	65
32	Atroposelective Synthesis of Axially Chiral 4-Aryl $\pm$ -Carbolines via <i>N</i> -Heterocyclic Carbene Catalysis. <i>Organic Letters</i> , 2021, 23, 4267-4272.	2.4	40
33	Synthesis, crystal structure and photophysical properties of deep-blue emitting cationic iridium(III) complexes with 2,6-di- <i>tert</i> -butyl-4-pyridyl-bipyridine cyclometalated ligand and pyrazole-type ancillary ligands. <i>Journal of Luminescence</i> , 2021, 233, 117880.	1.5	4
34	Coupling of Ru and Vacancy on 2D MoS <sub>2</sub> -Based Electrocatalyst Via a Solid-Phase Interface Reaction Strategy for Hydrogen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2100141.	10.2	71
35	Anderson-type polyoxometalate as excellent catalyst for green synthesis of adipic acid with hydrogen peroxide. <i>Molecular Catalysis</i> , 2021, 510, 111705.	1.0	6
36	On the mechanism of homogeneous Pt-catalysis: A theoretical view. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213863.	9.5	17

#	ARTICLE	IF	CITATIONS
37	Hydrogen Evolution Reaction: Coupling of Ru and Oâ€œVacancy on 2D Moâ€œBased Electrocatalyst Via a Solidâ€œPhase Interface Reaction Strategy for Hydrogen Evolution Reaction (Adv. Energy Mater. 26/2021). Advanced Energy Materials, 2021, 11, 2170102.	10.2	1
38	Nâ€œHeterocyclic Carbeneâ€œCatalyzed Asymmetric Câ€œO Bond Construction Between Benzoic Acid and Phthalaldehyde: Mechanism and Origin of Stereoselectivity. Chemistry - an Asian Journal, 2021, 16, 2346-2350.	1.7	5
39	Desymmetrization of Cyclic 1,3-Diketones under N-Heterocyclic Carbene Organocatalysis: Access to Organofluorines with Multiple Stereogenic Centers. Research, 2021, 2021, 9867915.	2.8	8
40	Transformation of 1,1â€œ-biphosphirane-M(CO) <sub>5</sub> (M=Mo, Cr, W) complexes: Possible mechanisms and reactivity of active intermediates. Computational and Theoretical Chemistry, 2021, 1204, 113420.	1.1	1
41	Manganese Catalyzed Direct Amidation of Esters with Amines. Journal of Organic Chemistry, 2021, 86, 2339-2358.	1.7	36
42	A safe and efficient synthetic method for alkali metal octahydrotriborates, unravelling a general mechanism for constructing the delta B3 unit of polyhedral boranes. Dalton Transactions, 2021, 50, 13676-13679.	1.6	13
43	Electrostatic effects in N-heterocyclic carbene catalysis: revealing the nature of catalysed decarboxylation. Physical Chemistry Chemical Physics, 2021, 23, 24627-24633.	1.3	8
44	Fascinating Supramolecular Assembly through Noncovalent Interactions Involving Anions in Organic Ionic Crystals. Journal of Physical Chemistry C, 2021, 125, 22346-22353.	1.5	0
45	Insights into Organoamine-Catalyzed Asymmetric Synthesis of Axially Chiral Allenolates Using Moritaâ€œBaylisâ€œHillman Carbonates and Trisubstituted Allenolates: Mechanism and Origin of Stereoselectivity. Journal of Organic Chemistry, 2021, 86, 15276-15283.	1.7	10
46	High-efficiency organic solar cells enabled by an alcohol-washable solid additive. Science China Chemistry, 2021, 64, 2161-2168.	4.2	32
47	A systematic investigation of structural transformation in a copper pyrazolato system: a case study. Dalton Transactions, 2020, 49, 1116-1123.	1.6	11
48	A combined experimental and computational study of NHC-promoted desulfonylation of tosylated aldimines. Organic Chemistry Frontiers, 2020, 7, 578-583.	2.3	16
49	Nonâ€œFullerene Organic Solar Cells Based on Benzo[1,2â€œ:4,5â€œ]difuranâ€œConjugated Polymer with 14% Efficiency. Advanced Functional Materials, 2020, 30, 1906809.	7.8	41
50	Origin of Regioâ€œand Stereoselectivity in the NHCâ€œcatalyzed Reaction of Alkyl Pyridinium with Aliphatic Enal. ChemCatChem, 2020, 12, 1068-1074.	1.8	27
51	Computational Study on N-Heterocyclic Carbene (NHC)-Catalyzed Intramolecular Hydroacylation-Stetter Reaction Cascade. Molecular Catalysis, 2020, 484, 110723.	1.0	5
52	Lead-Free Small-Bandgap Cs <sub>2</sub> CuSbCl <sub>6</sub> Double Perovskite Nanocrystals. Journal of Physical Chemistry Letters, 2020, 11, 6463-6467.	2.1	57
53	The chemistry of phosphirane-substituted phosphinidene complexes. Chemical Communications, 2020, 56, 9707-9710.	2.2	9
54	Doped Zeroâ€œDimensional Cesium Zinc Halides for Highâ€œEfficiency Blue Light Emission. Angewandte Chemie - International Edition, 2020, 59, 21414-21418.	7.2	97

#	ARTICLE	IF	CITATIONS
55	Doped Zero-Dimensional Cesium Zinc Halides for High-Efficiency Blue Light Emission. <i>Angewandte Chemie</i> , 2020, 132, 21598-21602.	1.6	19
56	Influence of 4-cyanopyridinium multicationic isomers on the structure-property relationships of two-dimensional hybrid as photocatalyst for the degradation of organic dyes. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108126.	1.8	2
57	Origin and stabilization of axial chirality in the construction of naphthyl-C2-indoles: a DFT study. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3166-3173.	2.3	8
58	Two Birds with One Stone: High Efficiency and Low Synthetic Cost for Benzotriazole-Based Polymer Solar Cells by a Simple Chemical Approach. <i>Advanced Energy Materials</i> , 2020, 10, 2002142.	10.2	26
59	Origin of stereoselectivity in an isothiourea catalyzed Michael addition reaction of aryl ester with vinyl disulfone. <i>New Journal of Chemistry</i> , 2020, 44, 17906-17911.	1.4	1
60	A theoretical review for novel Lewis base amine/imine-catalyzed reactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6781-6800.	1.5	16
61	Efficient Thermally Activated Delayed Fluorescence from All-Inorganic Cesium Zirconium Halide Perovskite Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21925-21929.	7.2	126
62	Efficient Thermally Activated Delayed Fluorescence from All-Inorganic Cesium Zirconium Halide Perovskite Nanocrystals. <i>Angewandte Chemie</i> , 2020, 132, 22109-22113.	1.6	24
63	Cleavage of the Inert C(sp <sup>2</sup> )-Ar $\sigma$ -Bond of Alkenes by a Spatial Constrained Interaction with Phosphinidene. <i>Journal of the American Chemical Society</i> , 2020, 142, 20973-20978.	6.6	17
64	Origin of diastereoselectivity and catalytic efficiency on Isothiourea-mediated cyclization of carboxylic acid with alkenyl ketone. <i>Computational and Theoretical Chemistry</i> , 2020, 1190, 113004.	1.1	1
65	Binuclear Tridentate Hemilabile Copper(I) Catalysts for Utilization of CO <sub>2</sub> into Oxazolidinones from Propargylic Amines. <i>Journal of Organic Chemistry</i> , 2020, 85, 15197-15212.	1.7	20
66	Thermal Stability of Ag <sub>13</sub> <sup>+</sup> Clusters Studied by Ab Initio Molecular Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4325-4332.	1.1	4
67	NHC-catalyzed $\hat{I}^2$ -specific addition of N-based nucleophiles to allenates. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1593-1599.	2.3	13
68	Insights into isothiourea-catalyzed asymmetric [3 + 3] annulation of $\hat{I}^{\pm}, \hat{I}^2$ -unsaturated aryl esters with 2-acylbenzazoles: mechanism, origin of stereoselectivity and switchable chemoselectivity. <i>Catalysis Science and Technology</i> , 2020, 10, 3664-3669.	2.1	8
69	Unveiling the Chemo- and Stereoselectivities of NHC-Catalyzed Reactions of an Aliphatic Ester with Aminochalcone. <i>Journal of Organic Chemistry</i> , 2020, 85, 8437-8446.	1.7	26
70	Recycling of silicon from silicon cutting waste by Al-Si alloying in cryolite media and its mechanism analysis. <i>Environmental Pollution</i> , 2020, 265, 114892.	3.7	30
71	Prediction of NHC-catalyzed chemoselective functionalizations of carbonyl compounds: a general mechanistic map. <i>Chemical Science</i> , 2020, 11, 7214-7225.	3.7	44
72	Insights into Lewis base-catalyzed chemoselective [3 + 2] and [3 + 4] annulation reactions of MBH carbonates. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1828-1836.	2.3	13

#	ARTICLE	IF	CITATIONS
73	Organic solar cells based on chlorine functionalized benzo[1,2-b:4,5-b <sup>â€²</sup> ]difuran-benzo[1,2-c:4,5-c <sup>â€²</sup> ]dithiophene-4,8-dione copolymer with efficiency exceeding 13%. <i>Science China Chemistry</i> , 2020, 63, 483-489.	4.2	8
74	With metal or not? a computationally predicted rule for a dirhodium catalyst in [3+3] cycloadditions of triazole with thiirane. <i>Chemical Communications</i> , 2020, 56, 4732-4735.	2.2	25
75	Insights into N-heterocyclic carbene and Lewis acid cooperatively catalyzed oxidative [3 + 3] annulation reactions of $\alpha,\beta$ -unsaturated aldehyde with 1,3-dicarbonyl compounds. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1113-1121.	2.3	25
76	Terpyridine-based Pd( <sup>ii</sup> )/Ni( <sup>ii</sup> ) organometallic framework nano-sheets supported on graphene oxideâ€”investigating the fabrication, tuning of catalytic properties and synergetic effects. <i>RSC Advances</i> , 2020, 10, 23080-23090.	1.7	7
77	Detection of Micro-Scale Li Dendrite via H <sub>2</sub> Gas Capture for Early Safety Warning. <i>Joule</i> , 2020, 4, 1714-1729.	11.7	105
78	Organocatalytic asymmetric N-sulfonyl amide C-N bond activation to access axially chiral biaryl amino acids. <i>Nature Communications</i> , 2020, 11, 946.	5.8	71
79	Highly Active and Robust Ruthenium Complexes Based on Hemilability of Hybrid Ligands for Câ€”H Oxidation. <i>Journal of Organic Chemistry</i> , 2020, 85, 4324-4334.	1.7	27
80	Synthesis of Benzodiazepines Through Ring Opening/Ring Closure of Benzimidazole Salts. <i>Chemistry - A European Journal</i> , 2020, 26, 3252-3258.	1.7	8
81	Mechanistic investigation of N-heterocyclic carbene and Na <sub>2</sub> CO <sub>3</sub> cooperatively catalyzed C(sp <sup>3</sup> )-F bond activation reaction of fluoroenal. <i>Molecular Catalysis</i> , 2020, 489, 110944.	1.0	11
82	Copper( <sup>i</sup> )/Ganphos catalysis: enantioselective synthesis of diverse spirooxindoles using iminoesters and alkyl substituted methyleneindolinones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3740-3746.	1.5	20
83	Rational Design of Cobalt Complexes Based on the <i>trans</i> Effect of Hybrid Ligands and Evaluation of their Catalytic Activity in the Cycloaddition of Carbon Dioxide with Epoxide. <i>Organometallics</i> , 2020, 39, 3546-3561.	1.1	18
84	Estimate Depth Information from Monocular Infrared Images Based on Deep Learning. , 2020, , .		2
85	Prediction on the Origin of Selectivities in Baseâ€”controlled Switchable NHCâ€”catalyzed Transformations. <i>Chemistry - an Asian Journal</i> , 2019, 14, 293-300.	1.7	42
86	Mechanism and Substituent Effects of Benzene Arylation via a Phenyl Cation Strategy: A Density Functional Theory Study. <i>ChemCatChem</i> , 2019, 11, 5068-5076.	1.8	5
87	A density functional theory study on mechanisms of [4 <sup>+</sup> â€” <sup>2</sup> ] annulation of enal with $\alpha$ -methylene cycloalkanone catalyzed by N-heterocyclic carbene. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e26039.	1.0	3
88	Regioselective Synthesis of Sulfonyl-Containing Benzyl Dithiocarbamates through Copper-Catalyzed Thiosulfonylation of Styrenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 11135-11149.	1.7	21
89	Substitution Dependent Ultrafast Ultraviolet Energy Dissipation Mechanisms of Plant Sunscreens. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5244-5249.	2.1	22
90	Hetero-bichromophore Dyad as a Highly Efficient Triplet Acceptor for Polarity Tuned Tripletâ€”Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4368-4373.	2.1	11

#	ARTICLE	IF	CITATIONS
91	Size effect of lead-free halide double perovskite on luminescence property. <i>Science China Chemistry</i> , 2019, 62, 1405-1413.	4.2	95
92	Controlled distribution of active centre to enhance catalytic activity of ordered Pd/Co catalytic nano-monolayer. <i>Journal of Catalysis</i> , 2019, 376, 228-237.	3.1	9
93	Highly Stereo-Controlled Synthesis of Fatty Acid-Derived Cyclic Carbonates by Using Iron(II) Complex and Nucleophilic Halide. <i>Journal of Organic Chemistry</i> , 2019, 84, 11407-11416.	1.7	24
94	Asymmetric A-type nonfullerene small molecule acceptors for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19348-19354.	5.2	33
95	Lead-Free Sodium-Indium Double Perovskite Nanocrystals through Doping Silver Cations for Bright Yellow Emission. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17231-17235.	7.2	166
96	Colloidal Synthesis and Optical Properties of All-Inorganic Low-Dimensional Cesium Copper Halide Nanocrystals. <i>Angewandte Chemie</i> , 2019, 131, 16233-16237.	1.6	78
97	Insight into Isothiourea-Catalyzed Enantioselective Addition of Saturated Esters to Iminium Ions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4322-4327.	1.7	6
98	Transition-Metal-Like Reversible Cycloadditions of [ $t$ -BuSPaW(CO) <sub>5</sub> ] with Alkenes and Alkynes. <i>Chemistry - A European Journal</i> , 2019, 25, 15036-15039.	1.7	9
99	Lead-Free Sodium-Indium Double Perovskite Nanocrystals through Doping Silver Cations for Bright Yellow Emission. <i>Angewandte Chemie</i> , 2019, 131, 17391-17395.	1.6	36
100	Colloidal Synthesis and Optical Properties of All-Inorganic Low-Dimensional Cesium Copper Halide Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16087-16091.	7.2	192
101	Unravelling a general mechanism of converting ionic B/N complexes into neutral B/N analogues of alkanes: H <sup>+</sup> -H <sup>+</sup> -di-hydrogen bonding assisted dehydrogenation. <i>Chemical Communications</i> , 2019, 55, 12239-12242.	2.2	20
102	Understanding the Z-selectivity of the metal-free intermolecular aminoarylation of alkynes: a DFT study. <i>Organic Chemistry Frontiers</i> , 2019, 6, 125-133.	2.3	9
103	Insights into highly selective ring expansion of oxaziridines under Lewis base catalysis: a DFT study. <i>Organic Chemistry Frontiers</i> , 2019, 6, 679-687.	2.3	38
104	Synthesis, photophysical and electroluminescent properties of iridium(III) complexes with 2-aryl-thiazole and oxadiazol-substituted amide derivative ligands. <i>New Journal of Chemistry</i> , 2019, 43, 4272-4281.	1.4	5
105	Air-Stable, Lead-Free Zero-Dimensional Mixed Bismuth-Antimony Perovskite Single Crystals with Ultra-Broadband Emission. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2725-2729.	7.2	199
106	Prediction on the origin of selectivities of NHC-catalyzed asymmetric dearomatization (CADA) reactions. <i>Catalysis Science and Technology</i> , 2019, 9, 465-476.	2.1	50
107	Prediction on the origin of chemoselectivity in Lewis base-mediated competition cyclizations between allenates and chalcones: a computational study. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2692-2700.	2.3	23
108	Insights into N-Heterocyclic Carbene-Catalyzed Oxidative $\hat{\text{I}}\text{-C}(\text{sp}^3)\text{-H}$ Activation of Aliphatic Aldehydes and Cascade [2 + 2] Cycloaddition with Ketimines. <i>Journal of Organic Chemistry</i> , 2019, 84, 6117-6125.	1.7	42

#	ARTICLE	IF	CITATIONS
109	Fluorination-triggered tandem cyclization of styrene-type carboxylic acids to access 3-aryl isocoumarin derivatives under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5038-5046.	1.5	17
110	Unravelling the Origins of Hydroboration Chemoselectivity Inversion Using an N,O-Chelated Ir(I) Complex: A Computational Study. <i>Journal of Organic Chemistry</i> , 2019, 84, 6709-6718.	1.7	10
111	Unravelling the Mechanism and Selectivity of the NHC-catalyzed Three-Membered Ring-Opening/Fluorination of Epoxy Enals: A DFT Study. <i>ChemCatChem</i> , 2019, 11, 2919-2925.	1.8	20
112	Hybrid Supramolecules for Azolium-Linked Cyclophane Immobilization and Conformation Study: Synthesis, Characterization, and Photocatalytic Degradation. <i>ACS Omega</i> , 2019, 4, 5137-5146.	1.6	12
113	Insights into NHC-catalyzed oxidative $\text{C}(\text{sp}^3)\text{-H}$ activation of aliphatic aldehydes and cascade [2 + 3] cycloaddition with azomethine imines. <i>Catalysis Science and Technology</i> , 2019, 9, 2514-2522.	2.1	48
114	Insights into N-Heterocyclic Carbene (NHC)-Catalyzed Asymmetric Addition of 2H-Azidine with Aldehyde. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2000-2007.	1.7	20
115	Schiff-based Pd(II)/Fe(III) bimetallic self-assembly monolayer—preparation, structure, catalytic dynamic and synergistic. <i>Molecular Catalysis</i> , 2019, 469, 75-86.	1.0	19
116	An approach to 7-aza-1-phosphanorbornane complexes: strain promoted rearrangement of 1-iminylphosphirane complexes and cycloaddition with olefins. <i>Dalton Transactions</i> , 2019, 48, 5523-5526.	1.6	12
117	NHC-Catalyzed Aldol-Like Reactions of Allenates with Isatins: Regiospecific Syntheses of $\beta$ -Functionalized Allenates. <i>Organic Letters</i> , 2019, 21, 1306-1310.	2.4	42
118	Hybrid supramolecule for azolium-linked cyclophane immobilization and conformation study: Synthesis, characterization and thermostability. <i>Main Group Chemistry</i> , 2019, 18, 459-466.	0.4	1
119	Access to polyfunctionalized carbazoles through $\text{C}-\text{C}$ -extension of 2-methyl-3-oxoacetate indoles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3741-3745.	2.3	9
120	A universal approach for optimizing charge extraction in electron transporting layer-free organic solar cells via Lewis base doping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25808-25817.	5.2	11
121	Controllable syntheses of B/N anionic aminoborane chain complexes by the reaction of $\text{NH}_3\text{BH}_3$ with NaH and the mechanistic study. <i>Dalton Transactions</i> , 2019, 48, 14984-14988.	1.6	17
122	Mechanisms of the Reactions of $\text{C}_6\text{H}_5\text{N}$ -Substituted Amine Boranes with $\text{THF}\cdot\text{BH}_3$ . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4994-4999.	1.0	0
123	Utilizing the aggregation-induced emission phenomenon to visualize spontaneous molecular directed motion in the solid state. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2746-2750.	3.2	10
124	A density functional theory study on mechanism and substituent effects of a base-free and catalyst-free synthesis of functionalized dihydrobenzoxazoles. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25836.	1.0	7
125	Insertion of chlorine atoms onto $\text{C}-\text{C}$ -bridges of conjugated polymer enables improved photovoltaic performance. <i>Nano Energy</i> , 2019, 58, 220-226.	8.2	67
126	Insights into the Oxidative Palladium-Catalyzed Regioselective Synthesis of $\beta$ -Arylindoles from $\text{N}^{\text{Ts}}$ -Anilines and Styrenes: A Computational Study. <i>ChemCatChem</i> , 2019, 11, 780-789.	1.8	35



#	ARTICLE	IF	CITATIONS
127	Steric Engineering of Alkylthiolation Side Chains to Finely Tune Miscibility in Nonfullerene Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1802686.	10.2	51
128	Direct Conversion of Benzothiadiazole to Benzimidazole: New Benzimidazole-Derived Metal-Organic Frameworks with Adjustable Honeycomb-Like Cavities. <i>Chemistry - A European Journal</i> , 2019, 25, 5246-5250.	1.7	6
129	Silver-catalyzed decarboxylative radical cascade cyclization toward benzimidazo[2,1- <i>a</i> ]isoquinolin-6(5 <i>H</i> )-ones. <i>Chemical Communications</i> , 2019, 55, 2861-2864.	2.2	114
130	Adducts of triangular silver( $\sigma$ -3,5-bis(trifluoromethyl)pyrazolate with thiophene derivatives: a weak interaction model of desulfurization. <i>Dalton Transactions</i> , 2019, 48, 16162-16166.	1.6	11
131	Insights into the isothioureia-catalyzed asymmetric [4 + 2] annulation of phenylacetic acid with alkylidene pyrazolone. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2301-2311.	1.5	31
132	Theoretical study on the mechanism and enantioselectivity of NHC-catalyzed intramolecular $S_N2$ nucleophilic substitution: what are the roles of NHC and DBU?. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1493-1501.	2.3	26
133	Insights into the Heterocyclic Carbene (NHC)-Catalyzed Intramolecular Cyclization of Aldimines: General Mechanism and Role of Catalyst. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1710-1718.	1.7	34
134	Benzothiadiazole Versus Thiophene: Influence of the Auxiliary Acceptor on the Photovoltaic Properties of Donor-Acceptor-Based Copolymers. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700547.	2.0	7
135	Recent Advances on Computational Investigations of N-Heterocyclic Carbene Catalyzed Cycloaddition/Annulation Reactions: Mechanism and Origin of Selectivities. <i>ChemCatChem</i> , 2018, 10, 338-360.	1.8	106
136	Theoretical study on DABCO-catalyzed ring expansion of cyclopropyl ketone: Mechanism, chemoselectivity, and role of catalyst. <i>Computational and Theoretical Chemistry</i> , 2018, 1123, 20-25.	1.1	12
137	The conformational behavior of multivalent tris(imidazolium)cyclophanes in the hybrids with metal (pseudo)halides or polyoxometalates. <i>CrystEngComm</i> , 2018, 20, 7184-7194.	1.3	16
138	Insights into Ag( $\sigma$ )-catalyzed addition reactions of amino alcohols to electron-deficient olefins: competing mechanisms, role of catalyst, and origin of chemoselectivity. <i>RSC Advances</i> , 2018, 8, 40338-40346.	1.7	8
139	A Computational Study on the 4-Dimethylaminopyridine (DMAP)-Catalyzed Regioselective [2+4] Cyclization of Allenic Ester with Cyclic Ketimine. <i>ChemistrySelect</i> , 2018, 3, 10553-10558.	0.7	7
140	Investigation on Electron Distribution and Synergetic to Enhance Catalytic Activity in Bimetallic Ni(II)/Pd(II) Molecular Monolayer. <i>ChemCatChem</i> , 2018, 10, 5141-5153.	1.8	16
141	Copper-Catalyzed Radical Cascade Cyclization To Access 3-Sulfonated Indenones with the AIE Phenomenon. <i>Journal of Organic Chemistry</i> , 2018, 83, 14419-14430.	1.7	74
142	Extension of indacenodithiophene backbone conjugation enables efficient asymmetric A <sup>+</sup> A type non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18847-18852.	5.2	80
143	Cooperative Multifunctional Organocatalysts for Ambient Conversion of Carbon Dioxide into Cyclic Carbonates. <i>ACS Catalysis</i> , 2018, 8, 9945-9957.	5.5	188
144	The coordination chemistry of phosphinidene sulfides. Synthesis and catalytic properties of Pd <sub>4</sub> and Pt <sub>4</sub> clusters. <i>Dalton Transactions</i> , 2018, 47, 13342-13344.	1.6	4

#	ARTICLE	IF	CITATIONS
145	Tandem Silver Cluster Isomerism and Mixed Linkers to Modulate the Photoluminescence of Cluster-Assembled Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8560-8566.	7.2	161
146	Insights into the NHC-catalyzed cascade Michael/aldol/lactamization reaction: mechanism and origin of stereoselectivity. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2065-2072.	2.3	35
147	Insights into the N-Heterocyclic Carbene (NHC)-Catalyzed Oxidative $\text{I}^3\text{-C}(\text{sp}^3)$ -H Deprotonation of Alkylaldehydes and Cascade [4 + 2] Cycloaddition with Alkenylisoxazoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 8543-8555.	1.7	61
148	Synergistic Effects of Fluorination and Alkylthiolation on the Photovoltaic Performance of the Poly(benzodithiophene-benzothiadiazole) Copolymers. <i>ACS Applied Energy Materials</i> , 2018, 1, 4686-4694.	2.5	9
149	High efficiency non-fullerene organic solar cells without electron transporting layers enabled by Lewis base anion doping. <i>Nano Energy</i> , 2018, 51, 736-744.	8.2	28
150	Competing mechanisms and origins of chemo- and stereo-selectivities of NHC-catalyzed reactions of enals with 2-aminoacrylates. <i>Catalysis Science and Technology</i> , 2018, 8, 4229-4240.	2.1	40
151	High-Valent Cobalt-Catalyzed C-H Activation/Annulation of 2-Benzamidopyridine Oxide with Terminal Alkyne: A Combined Theoretical and Experimental Study. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2668-2677.	2.1	61
152	Theoretical investigations of the Ir-catalyzed direct borylation of B(3,6)-H of <i>ortho</i> -carborane: the actual catalyst, mechanism, and origin of regioselectivity. <i>Catalysis Science and Technology</i> , 2018, 8, 5165-5177.	2.1	22
153	Insights into N-heterocyclic carbene-catalyzed [3 + 4] annulation reactions of 2-bromoaldehydes with N-Ts hydrazones. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2739-2748.	2.3	49
154	Theoretical investigation toward organophosphine-catalyzed [3+3] annulation of Morita-Baylis-Hillman carbonates with azomethine imines: Mechanism, origin of stereoselectivity, and role of catalyst. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25367.	1.0	18
155	Alkyl Side-Chain Engineering in Wide-Bandgap Copolymers Leading to Power Conversion Efficiencies over 10%. <i>Advanced Materials</i> , 2017, 29, 1604251.	11.1	213
156	Catalytic Mechanisms for Cofactor-Free Oxidase-Catalyzed Reactions: Reaction Pathways of Uricase-Catalyzed Oxidation and Hydration of Uric Acid. <i>ACS Catalysis</i> , 2017, 7, 4623-4636.	5.5	71
157	Mitochondria-dependent benzothiadiazole-based molecule probe for quantitatively intracellular pH imaging. <i>Dyes and Pigments</i> , 2017, 145, 576-583.	2.0	32
158	Efficient blue electroluminescence of iridium(III) complexes with oxadiazol-substituted amide ancillary ligands. <i>Dyes and Pigments</i> , 2017, 145, 116-125.	2.0	18
159	Unexpected Odd-Even Oscillation in the Enhanced Chemical Activities of the $\text{Ru}_{n-14}$ Nanoclusters for $\text{H}_2\text{O}$ Splitting. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7188-7198.	1.5	7
160	Influence of 2,2-bithiophene and thieno[3,2-b]thiophene units on the photovoltaic performance of benzodithiophene-based wide-bandgap polymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4471-4479.	2.7	12
161	A Multiheteroatom [3,3]-Sigmatropic Rearrangement: Disproportionative Entries into 2-( <i>ortho</i> -Heteroaryl)methyl Phosphates and $\text{I}^{\pm}$ -Keto Phosphates. <i>Organic Letters</i> , 2017, 19, 5864-5867.	2.4	34
162	A DFT Study of N-Heterocyclic Carbene Catalyzed [4+2] Annulation between Saturated Carboxylate with <i>ortho</i> -Quinone Methide: Possible Mechanisms and Origin of Enantioselectivity. <i>ChemistrySelect</i> , 2017, 2, 8856-8864.	0.7	12

#	ARTICLE	IF	CITATIONS
163	Theoretical Study on DBU-Catalyzed Insertion of Isatins into Aryl Difluoronitromethyl Ketones: A Case for Predicting Chemoselectivity Using Electrophilic Parr Function. <i>ACS Omega</i> , 2017, 2, 7029-7038.	1.6	16
164	Unique structural micro-adjustments in a new benzothiadiazole-derived Zn(II) metal organic framework via simple photochemical decarboxylation. <i>Chemical Communications</i> , 2017, 53, 10314-10317.	2.2	20
165	Hexameric Silver(I) Pyrazolate: Synthesis, Structure, and Isomerization. <i>Inorganic Chemistry</i> , 2017, 56, 11310-11316.	1.9	13
166	A DFT Study on Mechanisms and Origin of Selectivity of Phosphine-Catalyzed Vicinal Acylcyanation of Alkynoates. <i>ChemistrySelect</i> , 2017, 2, 5266-5273.	0.7	19
167	Insights into chemoselective fluorination reaction of alkynals via N-heterocyclic carbene and Brønsted base cooperative catalysis. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	0.5	11
168	Iridium(III) complexes bearing oxadiazol-substituted amide ligands: color tuning and application in highly efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9146-9156.	2.7	31
169	Computational Study on $\alpha$ -C-H Functionalization of $\alpha,\beta$ -Unsaturated Ester Catalyzed by N-Heterocyclic Carbene: Mechanisms, Origin of Stereoselectivity, and Role of Catalyst. <i>Journal of Organic Chemistry</i> , 2017, 82, 13043-13050.	1.7	55
170	Computational study on NHC-catalyzed enantioselective and chemoselective fluorination of aliphatic aldehydes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1987-1998.	2.3	47
171	High-performance wide-bandgap copolymers based on indacenodithiophene and indacenodithieno[3,2-b]thiophene units. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7777-7783.	2.7	22
172	Synthesis and properties of benzothiadiazole-pyridine system: The modulation of optical feature. <i>Dyes and Pigments</i> , 2017, 137, 135-142.	2.0	26
173	High-valent Cobalt-Catalyzed $\alpha$ -H Functionalization Based on Concerted Metalation-Deprotonation and Single-Electron Transfer Mechanisms. <i>ChemCatChem</i> , 2016, 8, 1242-1263.	1.8	270
174	A computational study on the N-heterocyclic carbene-catalyzed $C_{sp^2}-C_{sp^3}$ bond activation/[4+2] cycloaddition cascade reaction of cyclobutenones with imines: a new application of the conservation principle of molecular orbital symmetry. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19933-19943.	1.3	36
175	A Crystalline Copper(II) Coordination Polymer for the Efficient Visible-Light-Driven Generation of Hydrogen. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2073-2077.	7.2	140
176	Insights into the Competing Mechanisms and Origin of Enantioselectivity for N-Heterocyclic Carbene-Catalyzed Reaction of Aldehyde with Enamide. <i>Scientific Reports</i> , 2016, 6, 38200.	1.6	19
177	Influence of aromatic heterocycle of conjugated side chains on photovoltaic performance of benzodithiophene-based wide-bandgap polymers. <i>Polymer Chemistry</i> , 2016, 7, 4036-4045.	1.9	26
178	Insights into $\alpha$ -N-Heterocyclic Carbene-Catalyzed [4+2] Annulation Reaction of Enals with Nitroalkenes: Mechanisms, Origin of Chemo- and Stereoselectivity, and Role of Catalyst. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3046-3054.	1.7	32
179	Blocking Intramolecular Cycloadditions between $C\equiv C$ Triple Bonds and Electrophilic Phosphinidene Complexes: Generation of Intermediates Able To React with Arenes. <i>Organometallics</i> , 2016, 35, 3440-3443.	1.1	15
180	Solution-processed organic light-emitting diodes based on yellow-emitting cationic iridium(III) complexes bearing cyclometalated carbene ligands. <i>Dyes and Pigments</i> , 2016, 134, 465-471.	2.0	16

#	ARTICLE	IF	CITATIONS
181	Solution-processed organic light-emitting diodes based on a blue-emitting cationic iridium(III) complex using 2-(1H-pyrazol-1-yl)pyridine as ancillary ligand. <i>Inorganica Chimica Acta</i> , 2016, 453, 115-121.	1.2	9
182	Theoretical investigations towards the [4+2] cycloaddition of ketenes with 1-azadienes catalyzed by N-heterocyclic carbenes: mechanism and stereoselectivity. <i>Tetrahedron</i> , 2016, 72, 5295-5300.	1.0	16
183	Synthesis, characterization, photo- and electro-luminescent properties of blue cationic iridium complexes with nonconjugated bis(pyrazole-1-yl)methane as the ancillary ligand. <i>Dyes and Pigments</i> , 2016, 134, 19-26.	2.0	13
184	Theoretical investigations toward TMEDA-catalyzed [2 + 4] annulation of allenolate with 1-aza-1,3-diene: mechanism, regioselectivity, and role of the catalyst. <i>RSC Advances</i> , 2016, 6, 70723-70731.	1.7	20
185	Effects of Intercalated Molecules in Graphene Oxide on the Interlayer Channels for Anhydrous Proton Conduction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11931-11942.	1.8	22
186	Insights into Stereoselective Aminomethylation Reaction of $\alpha,\beta$ -Unsaturated Aldehyde with N,O-Acetal via N-Heterocyclic Carbene and Brønsted Acid/Base Cooperative Organocatalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 5370-5380.	1.7	59
187	Synthesis, photophysical and electroluminescent properties of blue-emitting dual core imidazole-anthracene/pyrene derivatives. <i>RSC Advances</i> , 2016, 6, 60264-60270.	1.7	10
188	A DFT study on NHC-catalyzed intramolecular aldehyde-ketone crossed-benzoin reaction: mechanism, regioselectivity, stereoselectivity, and role of NHC. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6577-6590.	1.5	38
189	DFT Study on the Mechanism and Stereoselectivity of NHC-Catalyzed Synthesis of Substituted Trifluoromethyl Dihydropyranones with Contiguous Stereocenters. <i>Journal of Organic Chemistry</i> , 2016, 81, 868-877.	1.7	28
190	DFT perspective toward [3 + 2] annulation reaction of enals with $\alpha$ -ketoamides through NHC and Brønsted acid cooperative catalysis: mechanism, stereoselectivity, and role of NHC. <i>Organic Chemistry Frontiers</i> , 2016, 3, 190-203.	2.3	74
191	N-Heterocyclic Carbene (NHC)-Catalyzed $\alpha$ -C-H Activation of Saturated Carbonyl Compounds: Mechanism, Role of NHC, and Origin of Stereoselectivity. <i>ACS Catalysis</i> , 2016, 6, 279-289.	5.5	99
192	A DFT study on PBu <sub>3</sub> -catalyzed intramolecular cyclizations of N-allylic substituted $\alpha$ -amino nitriles for the formation of functionalized pyrrolidines: mechanisms, selectivities, and the role of catalysts. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3130-3141.	1.5	32
193	Cobalt(II)-Catalyzed C-H Amination of Arenes with Simple Alkylamines. <i>Organic Letters</i> , 2016, 18, 1318-1321.	2.4	108
194	Theoretical study of binding affinity for diamidine with DNA. <i>Structural Chemistry</i> , 2016, 27, 681-696.	1.0	3
195	Organic Solar Cells Based on a 2D Benzo[1,2-c:4,5-c']difuran-Conjugated Polymer with High Power Conversion Efficiency. <i>Advanced Materials</i> , 2015, 27, 6969-6975.	11.1	151
196	Fundamental reaction pathway and free energy profile of proteasome inhibition by syringolin A (SylA). <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6857-6865.	1.5	28
197	Mechanisms and stereoselectivities of the Rh-catalyzed carbenoid carbon insertion reaction of benzocyclobutenol with diazoester. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6587-6597.	1.5	36
198	Theoretical study on binding models of copper nucleases containing pyridyl groups to DNA. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	0.5	3

#	ARTICLE	IF	CITATIONS
199	Direct diphosphonylation of quinolines with H-phosphonates under metal-free conditions. <i>Tetrahedron</i> , 2015, 71, 6087-6093.	1.0	19
200	Theoretical Investigations toward the Asymmetric Insertion Reaction of Diazoester with Aldehyde Catalyzed by N-Protonated Chiral Oxazaborolidine: Mechanisms and Stereoselectivity. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8422-8431.	1.1	25
201	A quantum mechanical study of the mechanism and stereoselectivity of the N-heterocyclic carbene catalyzed [4 + 2] annulation reaction of enals with azodicarboxylates. <i>Organic Chemistry Frontiers</i> , 2015, 2, 874-884.	2.3	48
202	High Performance Organic Solar Cells Based on a Twisted Bay-Substituted Tetraphenyl Functionalized Perylenediimide Electron Acceptor. <i>Advanced Energy Materials</i> , 2015, 5, 1500032.	10.2	93
203	A DFT study on the competing mechanisms of PPh <sub>3</sub> -catalyzed [3+3] and [3+2] annulations between 5-acetoxypenta-2,3-dienoate and 1C,3O-bisnucleophiles. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 137-146.	4.8	18
204	A DFT study on the reaction mechanisms of phosphonation of heteroaryl N-oxides with H-phosphonates. <i>Computational and Theoretical Chemistry</i> , 2015, 1071, 33-38.	1.1	10
205	Insights into the Unexpected Chemoselectivity for the N-Heterocyclic Carbene-Catalyzed Annulation Reaction of Allenals with Chalcones. <i>Journal of Organic Chemistry</i> , 2015, 80, 8619-8630.	1.7	37
206	Mechanistic insights into cobalt(II)-catalyzed C-H oxidation: a combined theoretical and experimental study. <i>Chemical Science</i> , 2015, 6, 7059-7071.	3.7	164
207	Mechanistic and stereoselectivity study for the reaction of trifluoropyruvates with arylpropenes catalyzed by a cationic Lewis acid rhodium complex. <i>RSC Advances</i> , 2015, 5, 100147-100158.	1.7	15
208	A density functional theory study on lewis acid-catalyzed transesterification of $\beta$ -oxodithioesters. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 862-868.	1.0	2
209	Copper-Catalyzed Direct Amination of Quinoline N-Oxides via C-H Bond Activation under Mild Conditions. <i>Organic Letters</i> , 2014, 16, 1840-1843.	2.4	167
210	DFT study on the reaction mechanisms and stereoselectivities of NHC-catalyzed [2 + 2] cycloaddition between arylalkylketenes and electron-deficient benzaldehydes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6374.	1.5	36
211	Synthesis and photophysical properties of novel phthalocyanine-perylenediimide-phthalocyanine triad and phthalocyanine-perylenediimide dyads. <i>RSC Advances</i> , 2014, 4, 25616-25624.	1.7	1
212	A DFT study on the reaction mechanism of dimerization of methyl methacrylate catalyzed by N-heterocyclic carbene. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20001-20008.	1.3	21
213	Peroxides as "Switches" of Dialkyl H-Phosphonate: Two Mild and Metal-Free Methods for Preparation of 2-Acylbenzothiazoles and Dialkyl Benzothiazol-2-ylphosphonates. <i>Journal of Organic Chemistry</i> , 2014, 79, 8407-8416.	1.7	68
214	Highly Enantioselective Catalytic System for Asymmetric Copolymerization of Carbon Dioxide and Cyclohexene Oxide. <i>Chemistry - A European Journal</i> , 2014, 20, 12394-12398.	1.7	51
215	Direct regioselective phosphonation of heteroaryl N-oxides with H-phosphonates under metal and external oxidant free conditions. <i>Chemical Communications</i> , 2014, 50, 14409-14411.	2.2	84
216	Mechanistic insights into the stereoselective C2-functionalization of 1-substituted imidazoles with cyanophenylacetylene and aldehydes. <i>Computational and Theoretical Chemistry</i> , 2014, 1049, 35-41.	1.1	5

#	ARTICLE	IF	CITATIONS
217	Neutral and Cationic NCN Pincer Platinum(II) Complexes with 1,3-Bis(benzimidazol-2-yl)benzene Ligands: Synthesis, Structures, and Their Photophysical Properties. <i>Organometallics</i> , 2014, 33, 1563-1573.	1.1	22
218	DFT Study on the Mechanisms and Stereoselectivities of the [4 + 2] Cycloadditions of Enals and Chalcones Catalyzed by N-Heterocyclic Carbene. <i>Journal of Organic Chemistry</i> , 2014, 79, 3069-3078.	1.7	52
219	Molecular dynamics simulations on inclusion complexes for chiral enantiomers with heterocyclic cyclodecapeptide. <i>Computational and Theoretical Chemistry</i> , 2014, 1027, 46-52.	1.1	7
220	DFT studies on inclusion complexes of 1-phenyl-1-propanol enantiomers with modified cyclic decapeptides. <i>Structural Chemistry</i> , 2014, 25, 699-705.	1.0	5
221	A theoretical study on the mechanisms of the reactions between 1,3-dialkynes and ammonia derivatives for the formation of five-membered N-heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7503-7514.	1.5	27
222	DFT Study on the Mechanisms and Diastereoselectivities of Lewis Acid-Promoted Ketene-Alkene [2 + 2] Cycloadditions: What is the Role of Lewis Acid in the Ketene and C = X (X = O, CH <sub>2</sub> , and NH) [2 + 2] Cycloaddition Reactions?. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4288-4300.	1.1	46
223	A DFT study on the reaction mechanisms of isocyanide-based multicomponent synthesis of polysubstituted cyclopentenes. <i>Computational and Theoretical Chemistry</i> , 2013, 1018, 85-90.	1.1	3
224	DFT Investigation on Mechanisms and Stereoselectivities of [2 + 2 + 2] Multimolecular Cycloaddition of Ketenes and Carbon Disulfide Catalyzed by N-Heterocyclic Carbenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 11849-11859.	1.7	38
225	Fundamental Reaction Pathway for Peptide Metabolism by Proteasome: Insights from First-Principles Quantum Mechanical/Molecular Mechanical Free Energy Calculations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13418-13434.	1.2	36
226	A DFT study on the mechanisms of three-component reaction between imidazoles, isocyanates and cyanophenylacetylene. <i>Computational and Theoretical Chemistry</i> , 2013, 1017, 168-173.	1.1	6
227	Reaction Pathway and Free Energy Profile for Papain-Catalyzed Hydrolysis of N-Acetyl-Phe-Gly 4-Nitroanilide. <i>Biochemistry</i> , 2013, 52, 5145-5154.	1.2	59
228	Arithmetic Computation Using Self-Assembly of DNA Tiles: Subtraction in the Method of Complements. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 306-312.	0.4	0
229	Theoretical Investigations toward the [4 + 2] Cycloaddition of Ketenes with N-Benzoyldiazenes Catalyzed by N-Heterocyclic Carbenes: Mechanism and Enantioselectivity. <i>Journal of Organic Chemistry</i> , 2012, 77, 10729-10737.	1.7	57
230	A DFT study of the enantioselective reduction of oxime ethers promoted by chiral spiroborate esters. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 1449-1459.	1.0	2
231	Syntheses, structures of N-(substituted)-[3]ferrocenophanes and their application as redox sensor for Cu <sup>2+</sup> ion. <i>Applied Organometallic Chemistry</i> , 2012, 26, 449-454.	1.7	15
232	Fundamental Reaction Pathway and Free Energy Profile for Inhibition of Proteasome by Epoxomicin. <i>Journal of the American Chemical Society</i> , 2012, 134, 10436-10450.	6.6	100
233	Mechanisms of the cascade synthesis of substituted 4-amino-1,2,4-triazol-3-one from huisgen zwitterion and aldehyde hydrazone: A DFT study. <i>Journal of Computational Chemistry</i> , 2012, 33, 715-722.	1.5	22
234	DNA Self-Assembly for Maximum Weighted Independent Set Problem. <i>Advanced Science Letters</i> , 2012, 17, 21-26.	0.2	0

#	ARTICLE	IF	CITATIONS
235	A DFT study on the thermal reaction mechanisms of fluorobutanesulfonyl azide with pyrazine under solvent free condition. <i>Computational and Theoretical Chemistry</i> , 2011, 968, 39-43.	1.1	5
236	Influence of reaction conditions on product distribution in the green oxidation of cyclohexene to adipic acid with hydrogen peroxide. <i>Catalysis Today</i> , 2011, 175, 619-624.	2.2	58
237	Direct esterification of p-nitrobenzoic acid with n-butanol using diethyl chlorophosphate in pyridine: A DFT study. <i>Computational and Theoretical Chemistry</i> , 2011, 963, 13-17.	1.1	11
238	A DFT study on the mechanisms of tungsten-catalyzed Baeyer-Villiger reaction using hydrogen peroxide as oxidant. <i>Computational and Theoretical Chemistry</i> , 2011, 966, 207-212.	1.1	15
239	A DFT study on enantioselective synthesis of aza- $\beta$ -lactams via NHC-catalyzed [2+2] cycloaddition of ketenes with diazenedicarboxylates. <i>Journal of Molecular Catalysis A</i> , 2011, 334, 108-115.	4.8	46
240	A combined experimental and DFT study of active structures and self-cycle mechanisms of mononuclear tungsten peroxo complexes in oxidation reactions. <i>Journal of Molecular Structure</i> , 2011, 992, 19-26.	1.8	19
241	Insight into the multicomponent reaction mechanisms of prop-2-en-1-amine and ethyl propiolate with alloxan derivative: A density functional theory study. <i>Chemical Physics Letters</i> , 2010, 495, 33-39.	1.2	10
242	A DFT study on the reaction mechanisms of ketene-ketone [2+2+2] cycloaddition to form 3-arylgutaric anhydrides under a Lewis acid catalysis: What is the role of BF <sub>3</sub> ?. <i>Journal of Molecular Catalysis A</i> , 2010, 326, 41-47.	4.8	21
243	Fragmentation pathways of eight nitrogen-containing bisphosphonates (BPs) investigated by ESI-MS <sup>n</sup> in negative ion mode. <i>International Journal of Mass Spectrometry</i> , 2010, 295, 85-93.	0.7	11
244	A computational study on the reaction mechanisms of N-formylation of amines under a Lewis acid catalysis. <i>Computational and Theoretical Chemistry</i> , 2010, 951, 89-92.	1.5	11
245	Theoretical Study on the Reaction Mechanism between 6-Benzyl-6-azabicyclo[2.2.1]hept-2-ene and Benzoyl Isocyanate to Urea and Isourea. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2913-2919.	1.1	20
246	Self-Assembly, Crystal Structure and Thermal Property of a Coordination Polymer [(DDTD)(Cu <sub>3</sub> I <sub>5</sub> )] <sub>n</sub> . <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009, 39, 441-444.	0.6	6
247	Fragmentation of deprotonated cyclic dipeptides by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1188-1194.	0.7	15
248	A DFT study of the enantioselective reduction of prochiral ketones promoted by pinene-derived amino alcohols. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 1020-1026.	1.8	26
249	Gas-phase pyrolysis mechanisms of 3-aminino-1-propanol: Density functional theory study. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1036-1044.	1.0	8
250	A theoretical and mass spectrometry study of the novel mechanism of N-glycosidic bond cleavage in nucleoside. <i>International Journal of Mass Spectrometry</i> , 2009, 282, 1-5.	0.7	13
251	Electrospray ionization multistage tandem mass spectrometry of penta- and hexa-substituted aryloxycyclotriphosphazenes. <i>International Journal of Mass Spectrometry</i> , 2009, 288, 51-57.	0.7	4
252	DFT Study on the Mechanisms of Stereoselective C(2)-Vinylolation of 1-Substituted Imidazoles with 3-Phenyl-2-propynenitrile. <i>Journal of Physical Chemistry A</i> , 2009, 113, 11035-11041.	1.1	25

#	ARTICLE	IF	CITATIONS
253	A theoretical investigation of the enantioselective reduction of prochiral ketones promoted by chiral diamines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 779-787.	1.8	18
254	A 1,8-Naphthyridine-Based Fluorescent Chemodosimeter for the Rapid Detection of Zn <sup>2+</sup> and Cu <sup>2+</sup> . <i>Organic Letters</i> , 2008, 10, 5115-5118.	2.4	125
255	Direct intramolecular C(sp <sup>3</sup> )-H bond sulfonamidation to synthesize benzosultam derivatives under metal-free conditions. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	3
256	A combined experimental and computational study of NHC-catalyzed allylation of allenolate with MBH esters: new regiospecific and stereoselective access to 1,5-enyne. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	8
257	The chiral pyridoxal-catalyzed biomimetic Mannich reaction: the mechanism and origin of stereoselectivity. <i>Organic Chemistry Frontiers</i> , 0, , .	2.3	6