

Jin Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9422608/publications.pdf>

Version: 2024-02-01

74
papers

2,797
citations

159585

30
h-index

182427

51
g-index

84
all docs

84
docs citations

84
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	Rhodium(III)-Catalyzed Indole Synthesis Using N=C Bond as an Internal Oxidant. <i>Journal of the American Chemical Society</i> , 2013, 135, 16625-16631.	13.7	327
2	Rhodium(III)-Catalyzed <i>N</i> -Nitroso-Directed C-H Olefination of Arenes. High-Yield, Versatile Coupling under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 468-473.	13.7	223
3	Ni-Catalyzed Reductive Relay Hydroalkylation: A Strategy for the Remote C(sp ³)-H Alkylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4058-4062.	13.8	159
4	Enaminones as Synthons for a Directed C-H Functionalization: Rh ^{III} -Catalyzed Synthesis of Naphthalenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9384-9388.	13.8	154
5	Quinazoline Synthesis via Rh(III)-Catalyzed Intermolecular C-H Functionalization of Benzimidates with Dioxazolones. <i>Organic Letters</i> , 2016, 18, 2062-2065.	4.6	124
6	C-H Activation-Based Traceless Synthesis via Electrophilic Removal of a Directing Group. Rhodium(III)-Catalyzed Entry into Indoles from <i>N</i> -Nitroso and α -Diazo- β -keto Compounds. <i>Organic Letters</i> , 2016, 18, 1178-1181.	4.6	110
7	Direct Access to Cobaltacycles via C-H Activation: <i>N</i> -Chloroamide-Enabled Room-Temperature Synthesis of Heterocycles. <i>Organic Letters</i> , 2017, 19, 5348-5351.	4.6	91
8	Co(III)-Catalyzed Enaminone-Directed C-H Amidation for Quinolone Synthesis. <i>Organic Letters</i> , 2017, 19, 2418-2421.	4.6	83
9	Co(III)-Catalyzed, Internal and Terminal Alkyne-Compatible Synthesis of Indoles. <i>Organic Letters</i> , 2016, 18, 3806-3809.	4.6	77
10	Oxadiazolone-Enabled Synthesis of Primary Azaaromatic Amines. <i>Organic Letters</i> , 2016, 18, 5412-5415.	4.6	69
11	Monolayer-Barcoded Nanoparticles for On-Chip DNA Hybridization Assay. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5009-5012.	13.8	64
12	A One-Pot Method to Prepare Gold Nanoparticle Chains with Chitosan. <i>Journal of Physical Chemistry C</i> , 2008, 112, 319-323.	3.1	63
13	A Versatile, Traceless C-H Activation-Based Approach for the Synthesis of Heterocycles. <i>Organic Letters</i> , 2016, 18, 2427-2430.	4.6	58
14	Bidentate Directing-Enabled, Traceless Heterocycle Synthesis: Cobalt-Catalyzed Access to Isoquinolines. <i>Organic Letters</i> , 2016, 18, 5632-5635.	4.6	58
15	Cobalt(III)-Catalyzed Oxadiazole-Directed C-H Activation for the Synthesis of 1-Aminoisoquinolines. <i>Organic Letters</i> , 2017, 19, 2885-2888.	4.6	56
16	Rhodium(III)-Catalyzed <i>N</i> -Nitroso-Directed C-H Addition to Ethyl 2-Oxoacetate for Cycloaddition/Fragmentation Synthesis of Indazoles. <i>Chemistry - A European Journal</i> , 2014, 20, 14245-14249.	3.3	50
17	Cp*Co(III)-catalyzed, N=C bond-based redox-neutral synthesis of isoquinolines. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1281-1285.	4.5	50
18	Ni-Catalyzed Reductive Relay Hydroalkylation: A Strategy for the Remote C(sp ³)-H Alkylation of Alkenes. <i>Angewandte Chemie</i> , 2018, 130, 4122-4126.	2.0	46

#	ARTICLE	IF	CITATIONS
19	Acyl Radicals from Benzothiazolines: Synthons for Alkylation, Alkenylation, and Alkynylation Reactions. <i>Organic Letters</i> , 2019, 21, 5462-5466.	4.6	46
20	Access to the Cinnoline Scaffold via Rhodium-Catalyzed Intermolecular Cyclization under Mild Conditions. <i>Organic Letters</i> , 2016, 18, 4510-4513.	4.6	43
21	Synthesis of isoquinolines via Rh-catalyzed C-H activation/C-N cyclization with diazodiester or diazoketoesters as a C ₂ source. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4848-4852.	2.8	42
22	Ultrasensitive detection of trace Hg ²⁺ by SERS aptasensor based on dual recycling amplification in water environment. <i>Journal of Hazardous Materials</i> , 2021, 416, 126251.	12.4	40
23	Nanoparticle-Based, Fluorous-Tag-Driven DNA Detection. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9503-9506.	13.8	39
24	Rh(III)-Catalyzed Enaminone-Directed Alkenyl C-H Activation for the Synthesis of Salicylaldehydes. <i>Organic Letters</i> , 2018, 20, 3996-3999.	4.6	38
25	Synthesis of 2,3-Benzodiazepines via Rh(III)-Catalyzed C-H Functionalization of <i>N</i> -Boc Hydrazones with Diazoketoesters. <i>Organic Letters</i> , 2017, 19, 3640-3643.	4.6	37
26	A C-H Activation-Based Strategy for <i>N</i> -Amino Azaheterocycle Synthesis. <i>Organic Letters</i> , 2017, 19, 4359-4362.	4.6	36
27	Biominaleralization-Assisted Ultrasensitive Detection of DNA. <i>Journal of the American Chemical Society</i> , 2010, 132, 6932-6934.	13.7	35
28	Associative Covalent Relay: An Oxadiazolone Strategy for Rhodium(III)-Catalyzed Synthesis of Primary Pyridinylamines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5222-5226.	13.8	35
29	Rhodium(III)-Catalyzed Directed <i>ortho</i> -C-H Bond Functionalization of Aromatic Ketazines via C-S and C-C Coupling. <i>Journal of Organic Chemistry</i> , 2015, 80, 10457-10463.	3.2	33
30	Expressed Peptide Assay for DNA Detection. <i>Journal of the American Chemical Society</i> , 2010, 132, 4161-4168.	13.7	32
31	Co(ⁱⁱⁱ)-Catalyzed <i>N</i> -chloroamide-directed C-H activation for 3,4-dihydroisoquinolone synthesis. <i>Organic Chemistry Frontiers</i> , 2018, 5, 994-997.	4.5	32
32	Visible-Light-Mediated Intermolecular Radical Conjugate Addition for the Construction of Vicinal Quaternary Carbon Centers. <i>Organic Letters</i> , 2020, 22, 5401-5406.	4.6	29
33	Simultaneous detection of trace Hg ²⁺ and Ag ⁺ by SERS aptasensor based on a novel cascade amplification in environmental water. <i>Chemical Engineering Journal</i> , 2022, 435, 133879.	12.7	29
34	Rh(III)-Catalyzed Enaminone-Directed C-H Coupling with $\hat{\pm}$ -Diazo- $\hat{\pm}$ -phosphonoacetate for Reactivity Discovery: Fluoride-Mediated Dephosphonation for C-C Coupling Reactions. <i>Organic Letters</i> , 2018, 20, 3819-3823.	4.6	28
35	Ruthenium(II)-Catalyzed Traceless C-H Functionalization Using an N-N Bond as an Internal Oxidant. <i>Chemistry - A European Journal</i> , 2016, 22, 14508-14512.	3.3	27
36	Ultra-Sensitive Fluorescent Sensor for Hg ²⁺ Based on a Donor-Acceptor-Donor Framework. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13370-13375.	2.5	26

#	ARTICLE	IF	CITATIONS
37	Metal Ion-Sensing Polymer in the Weak Binding Monomer Regime. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8214-8217.	2.6	22
38	Enaminones as Synthons for a Directed C-H Functionalization: Rh ^{III} -Catalyzed Synthesis of Naphthalenes. <i>Angewandte Chemie</i> , 2016, 128, 9530-9534.	2.0	20
39	Synthesis of 2,5-disubstituted oxazoles via cobalt(III)-catalyzed cross-coupling of N-pivaloyloxamides and alkynes. <i>Chemical Communications</i> , 2018, 54, 1197-1200.	4.1	20
40	Controlled Assembly of Au, Ag, and Pt Nanoparticles with Chitosan. <i>Chemistry - A European Journal</i> , 2009, 15, 5935-5941.	3.3	18
41	A Solvent-Driven Organogel Shrinkage. <i>Chemistry of Materials</i> , 2007, 19, 2392-2394.	6.7	16
42	Rh(III)-Catalyzed Coupling of N-Chloroimines with α -Dialkylphosphonoacetates for the Synthesis of 2-H-Isoindoles. <i>Organic Letters</i> , 2019, 21, 6860-6863.	4.6	16
43	Multiplexed DNA detection based on positional encoding/decoding with self-assembled DNA nanostructures. <i>Chemical Science</i> , 2015, 6, 930-934.	7.4	15
44	Low temperature depolymerization from a copper-based aqueous vinyl polymerization system. <i>Polymer</i> , 2012, 53, 5010-5015.	3.8	13
45	Large Chiral Nanotubes Self-Assembled by DNA Bricks. <i>Journal of the American Chemical Society</i> , 2019, 141, 19524-19528.	13.7	13
46	Water-Enabled Visual Detection of DNA. <i>Journal of the American Chemical Society</i> , 2013, 135, 16268-16271.	13.7	12
47	Rh(III)-catalyzed synthesis of isoquinolines using the N-Cl bond of N-chloroimines as an internal oxidant. <i>Tetrahedron Letters</i> , 2020, 61, 151771.	1.4	11
48	Research Progress in Application of Nanomaterials for Deoxyribonucleic Acid Detection. <i>Chinese Journal of Analytical Chemistry</i> , 2011, 39, 146-154.	1.7	10
49	Rhodium(III)-Catalyzed Oxadiazole-Directed Alkenyl C-H Activation for Synthetic Access to 2-Acyamino and 2-Amino Pyridines. <i>Journal of Organic Chemistry</i> , 2017, 82, 9978-9987.	3.2	10
50	DNA diagnostics with a bacterial reporter probe. <i>Chemical Communications</i> , 2011, 47, 7470.	4.1	8
51	DNA polygonal cavities with tunable shapes and sizes. <i>Chemical Communications</i> , 2015, 51, 16247-16250.	4.1	8
52	Ruthenium-catalyzed room-temperature coupling of α -keto sulfoxonium ylides and cyclopropanols for β -diketone synthesis. <i>Chemical Communications</i> , 2021, 57, 7386-7389.	4.1	8
53	Cobalt-Catalyzed, Directed Intermolecular C-H Bond Functionalization for Multiheteroatom Heterocycle Synthesis: The Case of Benzotriazine. <i>Organic Letters</i> , 2021, 23, 5652-5657.	4.6	8
54	Synthesis and structural characterization of copper(II), cadmium(II) and zinc(II) complexes with 4,5-diazaspirobifluorene and bis-9-biphenyl-4,5-diazafluorenyl peroxide. <i>Polyhedron</i> , 2009, 28, 445-452.	2.2	6

#	ARTICLE	IF	CITATIONS
55	Spiro[indene-1,4-oxa-zolidinones] Synthesis via Rh(III)-Catalyzed Coupling of 4-Phenyl-1,3-oxazol-2(3H)-ones with Alkynes: A Redox-Neutral Approach. <i>Journal of Organic Chemistry</i> , 2019, 84, 11945-11957.	3.2	6
56	Interfacial Assembly of Nanoparticles with Fluorous-Tagged Organic Molecules. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13546-13550.	3.1	5
57	Metal-Organic Hybrid Particles with Variable Sub-Stoichiometric Metal Contents. <i>Chemistry of Materials</i> , 2010, 22, 3310-3312.	6.7	5
58	DNA Detection Based on Fluorogenic Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11006-11009.	13.8	5
59	Room temperature polymerization of norbornene with a hydride-bridged dinuclear ruthenium complex system. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 198-204.	4.8	5
60	Rh(III)-catalyzed N-nitroso-directed C-H olefination polymerization. <i>Polymer</i> , 2019, 172, 152-159.	3.8	5
61	A Mild Route to the Whittling of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12950-12953.	3.1	4
62	A Coordination Complex System for Generic, Ultrafast, and Sensitive Multimode Fluorescent Staining of Biomolecules. <i>Inorganic Chemistry</i> , 2012, 51, 188-192.	4.0	4
63	An intermolecular C-H functionalization method for the synthesis of 3-hydroxy-2-oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8390-8393.	2.8	4
64	4,5-Diaza-9,9'-spirobifluorene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3304-o3304.	0.2	3
65	Polymerization of 4-vinylpyridine and N,N-dimethylacrylamide using a system without organic initiator. <i>Polymer Chemistry</i> , 2011, 2, 2356.	3.9	3
66	Ultrafast Kinetic DNA Hybridization Assay Based on the Visualization of Threshold Turbidity. <i>Analytical Chemistry</i> , 2012, 84, 3500-3506.	6.5	3
67	Rhodium-Catalyzed Redox-Neutral Cross-Dehydrogenative Alkenylation of Arylhydrazines for Polymer Synthesis. <i>Macromolecules</i> , 2021, 54, 9739-9749.	4.8	3
68	Associative Covalent Relay: An Oxadiazolone Strategy for Rhodium(III)-Catalyzed Synthesis of Primary Pyridinylamines. <i>Angewandte Chemie</i> , 2017, 129, 5306-5310.	2.0	2
69	Diversified Nanoparticle Assembly Pathways: Materials Architecture Control Beyond the Amphiphilicity Paradigm. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14416-14423.	2.6	1
70	DNA binding and reactivity assays based on in-frame protein expression. <i>Chemical Science</i> , 2013, 4, 633-641.	7.4	1
71	Salt-enabled visual detection of DNA. <i>Chemical Communications</i> , 2014, 50, 15744-15747.	4.1	0
72	Primer Extension Reaction Assays for Incorporation of Deoxynucleotide Analogue into DNA. <i>Chinese Journal of Chemistry</i> , 2015, 33, 192-198.	4.9	0

#	ARTICLE	IF	CITATIONS
73	A Decentralized Approach to the Formulation of Hypotheses: A Hierarchical Structural Model for a Prion Self-Assembled System. <i>Scientific Reports</i> , 2016, 6, 30633.	3.3	0
74	Research Progress in Application of Nanomaterial for Deoxyribonucleic Acid Detection. <i>Chinese Journal of Analytical Chemistry</i> , 2012, 39, 146-154.	1.7	0