

Xuefeng Fu

List of Publications by Year in descending order

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papers

1,521
citations

257101

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51
all docs

51
docs citations

51
times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactivity and Mechanism Studies of Hydrogen Evolution Catalyzed by Copper Corroles. ACS Catalysis, 2015, 5, 5145-5153.	5.5	164
2	Degenerative Transfer and Reversible Termination Mechanisms for Living Radical Polymerizations Mediated by Cobalt Porphyrins. Macromolecules, 2006, 39, 8219-8222.	2.2	90
3	Visible Light Induced Living/Controlled Radical Polymerization of Acrylates Catalyzed by Cobalt Porphyrins. Macromolecules, 2014, 47, 6238-6245.	2.2	89
4	A well-defined, versatile photoinitiator (salen)Co ^{II} CO ₂ CH ₃ for visible light-initiated living/controlled radical polymerization. Chemical Science, 2015, 6, 2979-2988.	3.7	69
5	Photo-cleavage of the cobalt-carbon bond: visible light-induced living radical polymerization mediated by organo-cobalt porphyrins. Chemical Communications, 2013, 49, 5186.	2.2	62
6	Reversible deactivation radical polymerization mediated by cobalt complexes: recent progress and perspectives. Organic and Biomolecular Chemistry, 2014, 12, 8580-8587.	1.5	61
7	Equilibrium Thermodynamic Studies in Water: Reactions of Dihydrogen with Rhodium(III) Porphyrins Relevant to Rh ^{III} Rh, Rh ^{III} H, and Rh ^{III} OH Bond Energetics. Journal of the American Chemical Society, 2004, 126, 2623-2631.	6.6	57
8	Aerobic oxidative N-dealkylation of tertiary amines in aqueous solution catalyzed by rhodium porphyrins. Chemical Communications, 2013, 49, 4214-4216.	2.2	56
9	Thermodynamics of Rhodium Hydride Reactions with CO, Aldehydes, and Olefins in Water: Organo-Rhodium Porphyrin Bond Dissociation Free Energies. Journal of the American Chemical Society, 2005, 127, 16460-16467.	6.6	49
10	CHEMISTRY: Enhanced: Building Molecules with Carbon Monoxide Reductive Coupling. Science, 2006, 311, 790-791.	6.0	44
11	Germanium(III) corrole complex: reactivity and mechanistic studies of visible-light promoted N-H bond activations. Chemical Science, 2014, 5, 916-921.	3.7	43
12	Reactivity and Equilibrium Thermodynamic Studies of Rhodium Tetrakis(3,5-disulfonatomesityl)porphyrin Species with H ₂ , CO, and Olefins in Water. Inorganic Chemistry, 2006, 45, 9884-9889.	1.9	42
13	Visible-Light-Induced Living Radical Polymerization (LRP) Mediated by (salen)Co(II)/TPO at Ambient Temperature. Macromolecules, 2015, 48, 5132-5139.	2.2	39
14	Transition metal free oxidative esterification of alcohols with toluene. Tetrahedron Letters, 2013, 54, 5383-5386.	0.7	38
15	Visible-Light-Promoted Generation of Hydrogen from the Hydrolysis of Silanes Catalyzed by Rhodium(III) Porphyrins. Organometallics, 2015, 34, 5754-5758.	1.1	35
16	Beyond carbocations: Synthesis, structure and reactivity of heavier Group 14 element cations. Coordination Chemistry Reviews, 2017, 344, 214-237.	9.5	35
17	Visible light promoted hydration of alkynes catalyzed by rhodium(III) porphyrins. Chemical Communications, 2015, 51, 11896-11898.	2.2	33
18	Visible Light Promoted Hydroxylation of a Si-C(sp ³) Bond Catalyzed by Rhodium Porphyrins in Water. Journal of the American Chemical Society, 2011, 133, 15926-15929.	6.6	31

#	ARTICLE	IF	CITATIONS
19	Synthesis and Reactivity Studies of a Tin(II) Corrole Complex. <i>Inorganic Chemistry</i> , 2014, 53, 7047-7054.	1.9	31
20	Regioselectivity and Equilibrium Thermodynamics for Addition of Rh ⁺ OH to Olefins in Water. <i>Journal of the American Chemical Society</i> , 2006, 128, 8947-8954.	6.6	28
21	The Mechanism of E-H (E = N, O) Bond Activation by a Germanium Corrole Complex: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2015, 137, 7122-7127.	6.6	27
22	Synthesis, Electronic Structure, and Reactivity Studies of a 4-Coordinate Square Planar Germanium(IV) Cation. <i>Journal of the American Chemical Society</i> , 2016, 138, 7705-7710.	6.6	27
23	Metal-free aerobic oxidative coupling of amines in dimethyl sulfoxide via a radical pathway. <i>RSC Advances</i> , 2016, 6, 10861-10864.	1.7	27
24	Aqueous organometallic reactions of rhodium porphyrins: equilibrium thermodynamics Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b2/b212027e/ . <i>Chemical Communications</i> , 2003, , 520-521.	2.2	26
25	Reactivity studies of a corrole germanium hydride complex with aldehydes, olefins and alkyl halides. <i>Chemical Communications</i> , 2011, 47, 11677.	2.2	24
26	Living radical polymerization of acrylates and acrylamides mediated by a versatile cobalt porphyrin complex. <i>Chemical Communications</i> , 2012, 48, 3506.	2.2	24
27	Production of Formamides from CO and Amines Induced by Porphyrin Rhodium(II) Metalloradical. <i>Journal of the American Chemical Society</i> , 2018, 140, 6656-6660.	6.6	24
28	Reactivity and kinetic mechanistic studies of regioselective reactions of rhodium porphyrins with unactivated olefins in water that form \hat{I}^2 -hydroxyalkyl complexes and conversion to ketones and epoxides. <i>Dalton Transactions</i> , 2010, 39, 477-483.	1.6	23
29	Aerobic oxidation of alkenes mediated by porphyrin rhodium(iii) complexes in water. <i>Dalton Transactions</i> , 2009, , 3661.	1.6	22
30	Light induced catalytic hydrodefluorination of perfluoroarenes by porphyrin rhodium. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 861-865.	3.0	18
31	When CMRP met alkyl vinyl ketone: visible light induced living radical polymerization (LRP) of ethyl vinyl ketone (EVK). <i>Chemical Communications</i> , 2016, 52, 12092-12095.	2.2	18
32	Heterogeneous synergistic catalysis by Ru-RuO _x nanoparticles for Se-H bond activation. <i>Nano Research</i> , 2017, 10, 922-932.	5.8	18
33	Moderate oxidation levels of Ru nanoparticles enhance molecular oxygen activation for cross-dehydrogenative-coupling reactions via single electron transfer. <i>RSC Advances</i> , 2017, 7, 33078-33085.	1.7	14
34	Mechanistic comparison of \hat{I}^2 -H elimination, \hat{I}^2 -OH elimination, and nucleophilic displacement reactions of \hat{I}^2 -hydroxy alkyl rhodium porphyrin complexes. <i>Dalton Transactions</i> , 2011, 40, 2213-2217.	1.6	13
35	DFT study of cobalt porphyrin complex for living radical polymerization of olefins. <i>Computational and Theoretical Chemistry</i> , 2012, 1001, 51-59.	1.1	13
36	Visible-light-induced synthesis of polymers with versatile end groups mediated by organocobalt complexes. <i>Polymer Chemistry</i> , 2017, 8, 6033-6038.	1.9	13

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37	Tacticity control approached by visible-light induced organocobalt-mediated radical polymerization: the synthesis of crystalline poly(<i>N,N</i> -dimethylacrylamide) with high isotacticity. <i>Polymer Chemistry</i> , 2020, 11, 4387-4395.	1.9	13
38	C-H and C-N Bond Activation of Tertiary Amines by Cationic Germanium(IV) Corrole. <i>Organometallics</i> , 2019, 38, 2412-2416.	1.1	12
39	Aerobic oxidative N-dealkylation of secondary amines in aqueous solution catalyzed by rhodium porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 937-943.	0.4	11
40	Intramolecular oxidative cyclization of alkenes by rhodium/cobalt porphyrins in water. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 544-548.	3.0	10
41	Living Radical Polymerizations Mediated by Metallo-Radical and Organo-Transition Metal Complexes. <i>ACS Symposium Series</i> , 2006, , 358-371.	0.5	9
42	Visible-Light-Induced Living/Controlled Radical Copolymerization of 1-Octene and Acrylic Monomers Mediated by Organocobalt Complexes. <i>Macromolecules</i> , 2020, 53, 212-222.	2.2	9
43	Thermodynamic and reactivity studies of a tin corrole-cobalt porphyrin heterobimetallic complex. <i>Chemical Science</i> , 2018, 9, 4999-5007.	3.7	7
44	Carboxylic-containing copolymer as template to prepare CdS, ZnS and doped nanoparticles. <i>Science in China Series B: Chemistry</i> , 2001, 44, 23-30.	0.8	6
45	Light induced catalytic intramolecular hydrofunctionalization of allylphenols mediated by porphyrin rhodium complexes. <i>Dalton Transactions</i> , 2016, 45, 13308-13310.	1.6	6
46	Synthesis, Characterization, and Reactivity Studies of Subphthalocyanine Boron Triflate. <i>Organometallics</i> , 2017, 36, 285-290.	1.1	6
47	Polystyrene with Persistently Enhanced Fluorescence: Photo-Induced Atom Transfer Radical Polymerization Using a Pyrene-Based Initiator. <i>ChemPhotoChem</i> , 2019, 3, 1153-1161.	1.5	3
48	Preparation of CdS/ZnO Core/shell Structured Nanoparticles by Hydrothermal Method. <i>Materials Research Society Symposia Proceedings</i> , 2001, 692, 1.	0.1	1
49	Facile Rh-C Bond Cleavage of Rhodium(III) Benzyl Porphyrin Complex in DMSO with Strong Bases. <i>Israel Journal of Chemistry</i> , 2016, 56, 188-191.	1.0	1