

Guo-Yong Song

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

6,632

citations

37

h-index

81

g-index

89

ext. papers

7,435

ext. citations

8.3

avg, IF

6.52

L-index

#	Paper	IF	Citations
68	C-C, C-O and C-N bond formation via rhodium(III)-catalyzed oxidative C-H activation. <i>Chemical Society Reviews</i> , 2012 , 41, 3651-78	58.5	1969
67	Substrate activation strategies in rhodium(III)-catalyzed selective functionalization of arenes. <i>Accounts of Chemical Research</i> , 2015 , 48, 1007-20	24.3	819
66	Rh-catalyzed oxidative coupling between primary and secondary benzamides and alkynes: synthesis of polycyclic amides. <i>Journal of Organic Chemistry</i> , 2010 , 75, 7487-90	4.2	272
65	Rh(III)-catalyzed tandem oxidative olefination-Michael reactions between aryl carboxamides and alkenes. <i>Organic Letters</i> , 2010 , 12, 5430-3	6.2	252
64	Rh(III)-catalyzed oxidative coupling of N-aryl-2-aminopyridine with alkynes and alkenes. <i>Organic Letters</i> , 2010 , 12, 5426-9	6.2	211
63	Enantioselective C-H bond addition of pyridines to alkenes catalyzed by chiral half-sandwich rare-earth complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12209-12	16.4	195
62	Palladium-catalyzed oxidative cross-coupling between pyridine N-oxides and indoles. <i>Organic Letters</i> , 2011 , 13, 1766-9	6.2	180
61	Synthesis of 2-pyridones and iminoesters via Rh(III)-catalyzed oxidative coupling between acrylamides and alkynes. <i>Organic Letters</i> , 2010 , 12, 5462-5	6.2	157
60	Catalytic Hydrogenolysis of Lignins into Phenolic Compounds over Carbon Nanotube Supported Molybdenum Oxide. <i>ACS Catalysis</i> , 2017 , 7, 7535-7542	13.1	139
59	Synthesis of quinolines via Rh(III)-catalyzed oxidative annulation of pyridines. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7583-9	4.2	132
58	Rhodium and Iridium Complexes of Abnormal N-Heterocyclic Carbenes Derived from Imidazo[1,2-a]pyridine. <i>Organometallics</i> , 2008 , 27, 1936-1943	3.8	130
57	Oxidative coupling of NH isoquinolones with olefins catalyzed by Rh(III). <i>Journal of Organic Chemistry</i> , 2011 , 76, 2926-32	4.2	108
56	Fe ³⁺ -montmorillonite as a cost-effective and recyclable solid acidic catalyst for the synthesis of xanthenediones. <i>Catalysis Communications</i> , 2007 , 8, 673-676	3.2	104
55	Pd(0)-catalyzed diarylation of sp ³ C-H bond in (2-azaaryl)methanes. <i>Organic Letters</i> , 2011 , 13, 1968-71	6.2	92
54	Rh(III)-catalyzed oxidative olefination of N-(1-naphthyl)sulfonamides using activated and unactivated alkenes. <i>Organic Letters</i> , 2011 , 13, 5808-11	6.2	92
53	Diverse reactivity in a rhodium(III)-catalyzed oxidative coupling of N-allyl arenesulfonamides with alkynes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12348-52	16.4	90
52	From lignin subunits to aggregates: insights into lignin solubilization. <i>Green Chemistry</i> , 2017 , 19, 3272-3281		89

51	Heteroatom-assisted olefin polymerization by rare-earth metal catalysts. <i>Science Advances</i> , 2017 , 3, e170111	11	85
50	Enantioselective C _H Annulation of Indoles with Diazo Compounds through a Chiral Rh(III) Catalyst. <i>ACS Catalysis</i> , 2017 , 7, 2392-2396	13.1	74
49	-Selective C-H addition of <i>o</i> ,-dimethyl anilines to alkenes by a yttrium catalyst. <i>Chemical Science</i> , 2016 , 7, 5265-5270	9.4	66
48	Ru-Catalyzed Hydrogenolysis of Lignin: Base-Dependent Tunability of Monomeric Phenols and Mechanistic Study. <i>ACS Catalysis</i> , 2019 , 9, 4054-4064	13.1	64
47	Rhodium-Catalyzed Site-Selective Coupling of Indoles with Diazo Esters: C4-Alkylation versus C2-Annulation. <i>Organic Letters</i> , 2017 , 19, 6184-6187	6.2	62
46	Palladium-catalyzed cascade cyclization-oxidative olefination of tert-butyl 2-alkynylbenzoates. <i>Journal of Organic Chemistry</i> , 2012 , 77, 1579-84	4.2	60
45	Catalytic C-H bond addition of pyridines to allenes by a rare-Earth catalyst. <i>Chemistry - A European Journal</i> , 2015 , 21, 8394-8	4.8	54
44	Gold- and iodine-mediated internal oxygen transfer of nitron- and sulfoxide-functionalized alkynes. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8488-94	4.2	51
43	Isolation of azomethine ylides and their complexes: iridium(III)-mediated cyclization of nitron substrates containing alkynes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7791-6	16.4	50
42	Selective Fragmentation of Biorefinery Corncob Lignin into <i>p</i> -Hydroxycinnamic Esters with a Supported Zinc Molybdate Catalyst. <i>ChemSusChem</i> , 2018 , 11, 2114-2123	8.3	49
41	Montmorillonite K10 Clay: An Effective Solid Catalyst for One-Pot Synthesis of Polyhydroquinoline Derivatives. <i>Synthetic Communications</i> , 2005 , 35, 2875-2880	1.7	48
40	1,3-Dinitron Pincer Complexes of Palladium and Nickel: Synthesis, Structural Characterizations, and Catalysis. <i>Organometallics</i> , 2009 , 28, 3233-3238	3.8	47
39	Anion-exchange-triggered 1,3-shift of an NH proton to iridium in protic <i>n</i> -heterocyclic carbenes: hydrogen-bonding and ion-pairing effects. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 912-7	16.4	47
38	Synthesis, structures, and solution dynamics of palladium complexes of quinoline-functionalized <i>N</i> -heterocyclic carbenes. <i>Inorganic Chemistry</i> , 2008 , 47, 8031-43	5.1	47
37	Rhodium(III)-catalyzed oxidative mono- and di-olefination of isonicotinamides. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 5521-4	3.9	42
36	Iridium Abnormal <i>N</i> -Heterocyclic Carbene Hydrides via Highly Selective C _H Activation. <i>Organometallics</i> , 2008 , 27, 1187-1192	3.8	42
35	Sequential utilization of bamboo biomass through reductive catalytic fractionation of lignin. <i>Bioresource Technology</i> , 2019 , 285, 121335	11	40
34	Diverse Reactivity in a Rhodium(III)-Catalyzed Oxidative Coupling of <i>N</i> -Allyl Arenesulfonamides with Alkynes. <i>Angewandte Chemie</i> , 2012 , 124, 12514-12518	3.6	40

33	Acceptorless dehydrogenation and dehydrogenative coupling of alcohols catalysed by protic NHC ruthenium complexes. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 3466-3471	3.9	38
32	Chemodivergent hydrogenolysis of eucalyptus lignin with Ni@ZIF-8 catalyst. <i>Green Chemistry</i> , 2019 , 21, 1498-1504	10	38
31	Pyridine-Based N-Heterocyclic Carbene Hydride Complexes of Iridium via C≡N Activation. <i>Organometallics</i> , 2008 , 27, 6193-6201	3.8	37
30	Fe ³⁺ -Montmorillonite as Effective, Recyclable Catalyst for Paal-Knorr Pyrrole Synthesis Under Mild Conditions. <i>Synthetic Communications</i> , 2005 , 35, 1051-1057	1.7	37
29	Fragmentation of Woody Lignocellulose into Primary Monolignols and Their Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4666-4674	8.3	34
28	Hydrogen bonding-assisted tautomerization of pyridine moieties in the coordination sphere of an Ir(I) complex. <i>Chemical Communications</i> , 2008 , 3558-60	5.8	34
27	Methyleneimidazoline complexes of iridium, rhodium, and palladium from selective C(sp ³)-H bond activation. <i>Chemistry - A European Journal</i> , 2009 , 15, 5535-44	4.8	33
26	Catechyl Lignin Extracted from Castor Seed Coats Using Deep Eutectic Solvents: Characterization and Depolymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 7031-7038	8.3	31
25	Advanced and versatile lignin-derived biodegradable composite film materials toward a sustainable world. <i>Green Chemistry</i> , 2021 , 23, 3790-3817	10	30
24	Hydrogenolysis of biorefinery corncob lignin into aromatic phenols over activated carbon-supported nickel. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 401-408	5.8	29
23	Highly Efficient Hydrogenation of Levulinic Acid into γ -Valerolactone using an Iron Pincer Complex. <i>ChemSusChem</i> , 2018 , 11, 1474-1478	8.3	28
22	Selective hydrogenolysis of catechyl lignin into propenylcatechol over an atomically dispersed ruthenium catalyst. <i>Nature Communications</i> , 2021 , 12, 416	17.4	28
21	Downstream Processing Strategies for Lignin-First Biorefinery. <i>ChemSusChem</i> , 2020 , 13, 5199-5212	8.3	25
20	Unraveling the Structural Transformation of Wood Lignin During Deep Eutectic Solvent Treatment. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	21
19	Rhodium(III)-Catalyzed Synthesis of Cinnolinium Salts from Azobenzenes and Diazo Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 2836-2842	5.6	21
18	Catalytic Conversion of Carbohydrates into 5-Ethoxymethylfurfural by a Magnetic Solid Acid Using γ -Valerolactone as a Co-Solvent. <i>Energy Technology</i> , 2018 , 6, 1951-1958	3.5	19
17	Total utilization of lignin and carbohydrates in : an integrated biorefinery strategy towards phenolics, levulinic acid, and furfural. <i>Biotechnology for Biofuels</i> , 2020 , 13, 2	7.8	18
16	Isolation of Azomethine Ylides and Their Complexes: Iridium(III)-Mediated Cyclization of Nitrone Substrates Containing Alkynes. <i>Angewandte Chemie</i> , 2011 , 123, 7937-7942	3.6	18

15	Tunable, UV-shielding and biodegradable composites based on well-characterized lignins and poly(butylene adipate-co-terephthalate). <i>Green Chemistry</i> , 2020 , 22, 8623-8632	10	18
14	Paving the Way for the Lignin Hydrogenolysis Mechanism by Deuterium-Incorporated EO-4 Mimics. <i>ACS Catalysis</i> , 2020 , 10, 12229-12238	13.1	17
13	Serpentine Ni Ge O (OH) Nanosheets with Tailored Layers and Size for Efficient Oxygen Evolution Reactions. <i>Small</i> , 2018 , 14, e1803015	11	15
12	Theoretical studies of iridium-mediated tautomerization of substituted pyridines. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 1640-1646	2.3	11
11	Anion-Exchange-Triggered 1,3-Shift of an NH Proton to Iridium in Protic N-Heterocyclic Carbenes: Hydrogen-Bonding and Ion-Pairing Effects. <i>Angewandte Chemie</i> , 2010 , 122, 924-929	3.6	10
10	Chemosynthesis, characterization and application of lignin-based flocculants with tunable performance prepared by short-wavelength ultraviolet initiation. <i>Industrial Crops and Products</i> , 2020 , 157, 112897	5.9	8
9	Silver-Catalyzed Remote C5-H Selenylation of Indoles. <i>Journal of Organic Chemistry</i> , 2020 , 85, 11104-11115	4.5	7
8	Integration of Enzymatic and Heterogeneous Catalysis for One-Pot Production of Fructose from Glucose. <i>ChemSusChem</i> , 2018 , 11, 1157-1162	8.3	6
7	A review of hydrodeoxygenation of bio-oil: model compounds, catalysts, and equipment. <i>Green Chemistry</i> , 2021 , 23, 9348-9376	10	5
6	Disassembling catechyl and guaiacyl/syringyl lignins coexisting in Euphorbiaceae seed coats. <i>Green Chemistry</i> , 2021 , 23, 7235-7242	10	5
5	Catalytic hydrogenolysis of castor seeds C-lignin in deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021 , 169, 113666	5.9	4
4	Recent Advances in Lignin Modification and Its Application in Wastewater Treatment. <i>ACS Symposium Series</i> , 2021 , 143-173	0.4	3
3	Ethylene dimethacrylate used as an NH adsorbent with high adsorption capacity and selectivity.. <i>Chemosphere</i> , 2022 , 133539	8.4	1
2	Integration of Ru/C and base for reductive catalytic fractionation of triploid poplar. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 802-810	11.3	0
1	Non-stereoselective C(sp ²) ^π Activation Followed by Selective Functionalization of Metallacyclic Intermediate 2019 , 193-237		