

Sukwon Hong

List of Publications by Year in descending order

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58
papers

3,754
citations

236925

25
h-index

161849

54
g-index

73
all docs

73
docs citations

73
times ranked

3372
citing authors

#	ARTICLE	IF	CITATIONS
1	Organolanthanide-Catalyzed Hydroamination. <i>Accounts of Chemical Research</i> , 2004, 37, 673-686.	15.6	1,002
2	Cooperative bimetallic catalysis in asymmetric transformations. <i>Chemical Society Reviews</i> , 2012, 41, 6931.	38.1	335
3	C2-Symmetric Bis(oxazolinato)lanthanide Catalysts for Enantioselective Intramolecular Hydroamination/Cyclization. <i>Journal of the American Chemical Society</i> , 2003, 125, 14768-14783.	13.7	295
4	Self-Assembled Dinuclear Cobalt(II)-Salen Catalyst Through Hydrogen-Bonding and Its Application to Enantioselective Nitro-Aldol (Henry) Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 16484-16485.	13.7	175
5	Intramolecular Hydroamination/Cyclization of Conjugated Aminodienes Catalyzed by Organolanthanide Complexes. Scope, Diastereo- and Enantioselectivity, and Reaction Mechanism. <i>Journal of the American Chemical Society</i> , 2003, 125, 15878-15892.	13.7	171
6	Widening the Roof: Synthesis and Characterization of New Chiral C1-Symmetric Octahydrofluorenyl Organolanthanide Catalysts and Their Implementation in the Stereoselective Cyclizations of Aminoalkenes and Phosphinoalkenes. <i>Organometallics</i> , 2002, 21, 283-292.	2.3	157
7	Highly Stereoselective Intramolecular Hydroamination/Cyclization of Conjugated Aminodienes Catalyzed by Organolanthanides. <i>Journal of the American Chemical Society</i> , 2002, 124, 7886-7887.	13.7	156
8	Design, Synthesis, and Evaluation of an α -Helix Mimetic Library Targeting Protein-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2009, 131, 5564-5572.	13.7	139
9	An in vitro and in vivo disconnect uncovered through high-throughput identification of botulinum neurotoxin A antagonists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2602-2607.	7.1	119
10	Urea/Transition-Metal Cooperative Catalyst for <i>anti</i> -Selective Asymmetric Nitroaldol Reactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1620-1624.	13.8	108
11	Isoquinoline-based chiral monodentate N-heterocyclic carbenes. <i>Chemical Communications</i> , 2010, 46, 7525.	4.1	88
12	Development of Bifunctional Aza-Bis(oxazoline) Copper Catalysts for Enantioselective Henry Reaction. <i>Journal of Organic Chemistry</i> , 2010, 75, 6424-6435.	3.2	77
13	Development of Bisquinoline-Based Chiral Diaminocarbene Ligands: Enantioselective S_N2 Allylic Alkylation Catalyzed by Copper Carbene Complexes. <i>Journal of Organic Chemistry</i> , 2008, 73, 1983-1986.	3.2	70
14	Novel Acyclic Diaminocarbene Ligands with Increased Steric Demand and Their Application in Gold Catalysis. <i>Organic Letters</i> , 2010, 12, 4860-4863.	4.6	70
15	Recent Developments of Chiral Diaminocarbene-Metal Complexes for Asymmetric Catalysis. <i>Current Organic Chemistry</i> , 2008, 12, 1370-1387.	1.6	63
16	Polypyrrole multilayer-laminated cellulose for large-scale repeatable mercury ion removal. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12425-12433.	10.3	50
17	Self-Assembly Approach toward Chiral Bimetallic Catalysts: Bis-Urea-Functionalized (Salen)Cobalt Complexes for the Hydrolytic Kinetic Resolution of Epoxides. <i>Chemistry - A European Journal</i> , 2011, 17, 2236-2245.	3.3	49
18	BODIPY-Based Conjugated Polymers for Use as Dopant-Free Hole Transporting Materials for Durable Perovskite Solar Cells: Selective Tuning of HOMO/LUMO Levels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23254-23262.	8.0	49

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19	Bis(2-alkylpyrrolidin-1-yl)methylidenes as Chiral Acyclic Diaminocarbene Ligands. <i>Organometallics</i> , 2010, 29, 1729-1739.	2.3	46
20	A New Route to Acyclic Diaminocarbenes via Lithium-Halogen Exchange. <i>Organic Letters</i> , 2009, 11, 3274-3277.	4.6	37
21	Radical Cyclization of β -Aminoacrylates: Synthesis of α -Indolizidine 223AB. <i>Organic Letters</i> , 2000, 2, 2169-2171.	4.6	33
22	Bifunctional N-heterocyclic carbene ligands for Cu-catalyzed direct C-H carboxylation with CO ₂ . <i>RSC Advances</i> , 2017, 7, 52496-52502.	3.6	33
23	In situ generation of novel acyclic diaminocarbene-copper complex. <i>Chemical Communications</i> , 2009, , 2475.	4.1	29
24	Catalytic enantioselective synthesis of tetrasubstituted chromanones via palladium-catalyzed asymmetric conjugate arylation using chiral pyridine-dihydroisoquinoline ligands. <i>Chemical Science</i> , 2020, 11, 4602-4607.	7.4	29
25	Bulky Acyclic Aminooxycarbene Ligands. <i>Organometallics</i> , 2011, 30, 5725-5730.	2.3	26
26	Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cation-Binding Salen Nickel Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 775-779.	13.8	26
27	Helicity Modulation Improves the Selectivity of Antimicrobial Peptoids. <i>ACS Infectious Diseases</i> , 2020, 6, 2732-2744.	3.8	25
28	Abnormal N-Heterocyclic Carbene-Palladium Complexes for the Copolymerization of Ethylene and Polar Monomers. <i>ACS Catalysis</i> , 2020, 10, 5443-5453.	11.2	22
29	Organic cathode interfacial materials for non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13506-13514.	10.3	21
30	Feasibility of unsaturated fatty acid feedstocks as green alternatives in bio-oil refinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 690-722.	3.7	20
31	Reversibly Photoswitchable Catalysts for Olefin Metathesis Reactions. <i>ACS Catalysis</i> , 2021, 11, 13860-13865.	11.2	20
32	Identification of broad-based HIV-1 protease inhibitors from combinatorial libraries. <i>Biochemical Journal</i> , 2010, 429, 527-532.	3.7	18
33	Fluoro-imidazopyridinylidene Ruthenium Catalysts for Cross Metathesis with Ethylene. <i>Organometallics</i> , 2019, 38, 4121-4132.	2.3	17
34	D-type narrow-bandgap small-molecule photovoltaic donors: pre-synthesis virtual screening using density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15054-15059.	2.8	15
35	Enantioselective C(sp ²)-H borylation of diarylmethylsilanes catalyzed by chiral pyridine-dihydroisoquinoline iridium complexes. <i>Tetrahedron</i> , 2021, 79, 131811.	1.9	15
36	An [Mn ₂ (bpmp)] ³⁺ complex as an artificial peroxidase and its applications in colorimetric pyrophosphate sensing and cascade-type pyrophosphatase assay. <i>Analyst</i> , 2018, 143, 1780-1785.	3.5	14

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37	Isoquinoline-based diimine ligands for Cu(II)-catalyzed enantioselective nitroaldol (Henry) reactions. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1097-1102.	1.8	13
38	A colorimetric and fluorescent chemosensor for detection of Hg ²⁺ using counterion exchange of cationic polydiacetylene. <i>Tetrahedron Letters</i> , 2017, 58, 4340-4343.	1.4	13
39	Solution-based Sulfur-Polymer Coating on Nanofibrillar Films for Immobilization of Aqueous Mercury Ions. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 84-89.	1.9	10
40	Highly Efficient Ethenolysis and Propenolysis of Methyl Oleate Catalyzed by Abnormal N-Heterocyclic Carbene Ruthenium Complexes in Combination with a Phosphine-Copper Cocatalyst. <i>ACS Catalysis</i> , 2020, 10, 10592-10601.	11.2	9
41	Photoredox-Catalyzed β -Aminoalkylcarboxylation of Allenes with CO ₂ . <i>Organic Letters</i> , 2021, 23, 3879-3884.	4.6	9
42	Photocatalytic carbocarboxylation of styrenes with CO ₂ for the synthesis of β -aminobutyric esters. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6301-6312.	2.8	8
43	Synthesis of Conjugated Copolymer Containing Spirobifluorene Skeleton by Acyclic Diene Metathesis Polymerization for Polymer Light-Emitting Diode Applications. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 929-933.	1.9	8
44	Palladium Catalysis Featuring Attractive Noncovalent Interactions Enabled Highly Enantioselective Access to β -Quaternary β -Lactams. <i>ACS Catalysis</i> , 2022, 12, 5559-5564.	11.2	6
45	Anti-tumor activity of novel bisoquinoline derivatives against breast cancers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4850-4853.	2.2	5
46	Hydrogen production based on a photoactivated nanowire-forest. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14988-14995.	10.3	5
47	Pyridine-Chelated Imidazo[1,5-a]Pyridine N-Heterocyclic Carbene Nickel(II) Complexes for Acrylate Synthesis from Ethylene and CO ₂ . <i>Catalysts</i> , 2020, 10, 758.	3.5	5
48	Self-Assembled Bimetallic Aluminum-Salen Catalyst for the Cyclic Carbonates Synthesis. <i>Molecules</i> , 2021, 26, 4097.	3.8	4
49	Highly selective ethenolysis with acyclic-aminooxycarbene ruthenium catalysts. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	3
50	Syntheses and Applications of Indol-2-ylidene-Ligated Ruthenium-Based Olefin Metathesis Catalysts. <i>Organometallics</i> , 2022, 41, 1905-1910.	2.3	3
51	The Comparative Study on Vapor-Polymerization and Pressure-dependent Conductance Behavior in Polypyrrole-hybridized Membranes. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 179-183.	1.9	2
52	Small molecule semiconductors for organic photovoltaics: a truncation approach. <i>Synthetic Metals</i> , 2018, 245, 10-17.	3.9	1
53	Enantioselective Alkynylation of Trifluoromethyl Ketones Catalyzed by Cation-Binding Salen Nickel Complexes. <i>Angewandte Chemie</i> , 2020, 132, 785-789.	2.0	1
54	Intramolecular Hydroamination/Cyclization of Conjugated Aminodienes Catalyzed by Organolanthanoid Complexes. Scope, Diastereo- and Enantioselectivity, and Reaction Mechanism.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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55	Organolanthanoid-Catalyzed Hydroamination. ChemInform, 2004, 35, no.	0.0	0
56	Highly Stereoselective Intramolecular Hydroamination/Cyclization of Conjugated Aminodienes Catalyzed by Organolanthanoids.. ChemInform, 2002, 33, 51-51.	0.0	0
57	Cover Image, Volume 13, Issue 3. Biofuels, Bioproducts and Biorefining, 2019, 13, i-i.	3.7	0
58	Abstract 2721: Novel bisoquinoimidazolium-derivatives for breast cancer therapy. , 2014, , .		0