

Seunghoon Shin

List of Publications by Year in descending order

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78
papers

3,504
citations

136740

32
h-index

143772

57
g-index

112
all docs

112
docs citations

112
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Access to \pm -Oxo Gold Carbenes by N=O Bond Oxidants. <i>Accounts of Chemical Research</i> , 2014, 47, 966-977.	7.6	313
2	Gold-Catalyzed Waste-Free Generation and Reaction of Azomethine Ylides: Internal Redox/Dipolar Cycloaddition Cascade. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7040-7043.	7.2	228
3	Stereoselective One-Pot Synthesis of 1-Aminoindanes and 5,6-Fused Azacycles Using a Gold-Catalyzed Redox-Pinacol-Mannich-Michael Cascade. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1611-1614.	7.2	147
4	Gold(I)-Catalyzed Intramolecular Hydroamination of Alkyne with Trichloroacetimidates. <i>Organic Letters</i> , 2006, 8, 3537-3540.	2.4	129
5	Dinuclear Asymmetric Zn Aldol Additions: A Formal Asymmetric Synthesis of Fostriecin. <i>Journal of the American Chemical Society</i> , 2005, 127, 3666-3667.	6.6	124
6	Direct Asymmetric Zn Aldol Reaction of Methyl Vinyl Ketone and Its Synthetic Applications. <i>Journal of the American Chemical Society</i> , 2005, 127, 8602-8603.	6.6	114
7	Geometry-dependent divergence in the gold-catalyzed redox cascade cyclization of o-alkynylaryl ketoximes and nitrones leading to isoindoles. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4744.	1.5	112
8	A Practical Gold-Catalyzed Route to 4-Substituted Oxazolidin-2-ones from N-Boc Propargylamines. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3503-3507.	1.2	107
9	Gold-Catalyzed Synthesis of 3-Pyrrolidinones and Nitrones from <i>Sulfonyl Hydroxylamines</i> via Oxygen-Transfer Redox and 1,3-Sulfonyl Migration. <i>Chemistry - A European Journal</i> , 2011, 17, 1764-1767.	1.7	95
10	Cross-Coupling of Meyer-Schuster Intermediates under Dual Gold-Photoredox Catalysis. <i>Organic Letters</i> , 2016, 18, 484-487.	2.4	94
11	Rhodium-catalyzed tandem cyclization-cycloaddition reactions of enynebenzaldehydes: construction of polycyclic ring systems. <i>Chemical Communications</i> , 2005, , 4429.	2.2	88
12	Gold-Catalyzed Intermolecular Reactions of Propiolic Acids with Alkenes: [4 + 2] Annulation and Enyne Cross Metathesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 208-211.	6.6	88
13	Catalytic Cross-Coupling of Vinyl Golds with Diazonium Salts under Photoredox and Thermal Conditions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2622-2628.	2.1	88
14	Brønsted Acid Catalyzed Oxygenative Bimolecular Friedel-Crafts Type Coupling of Ynamides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3670-3674.	7.2	86
15	Highly selective ratiometric fluorescent probe for Au ³⁺ and its application to bioimaging. <i>Biosensors and Bioelectronics</i> , 2013, 49, 438-441.	5.3	85
16	Gold-catalyzed cyclization of tert-butyl allenoate: general synthesis of 2,4-functionalized butenolides. <i>Tetrahedron Letters</i> , 2005, 46, 7431-7433.	0.7	80
17	Regio- and Stereochemical Control in Bis-functionalization Cyclization: Use of Allenyne Precursors for Carbocyclic and Heterocyclic Synthesis. <i>Journal of the American Chemical Society</i> , 2001, 123, 8416-8417.	6.6	70
18	Stereoselective Palladium-Catalyzed \pm -Arylation of 3-Aryl-1-Indanones: An Asymmetric Synthesis of (+)-Pauciflorol F. <i>Journal of Organic Chemistry</i> , 2011, 76, 6611-6618.	1.7	66

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19	Synthesis, Characterization, and Applicability of Neutral Polyhydroxy Phospholane Derivatives and Their Rhodium(I) Complexes for Reactions in Organic and Aqueous Media. <i>Journal of the American Chemical Society</i> , 2001, 123, 10207-10213.	6.6	64
20	Gold-Catalyzed Tandem C ^α -C and C ^α -O Bond Formation: A Highly Diastereoselective Formation of Cyclohex-4-ene-1,2-diol Derivatives. <i>Organic Letters</i> , 2007, 9, 3539-3542.	2.4	64
21	Water-Soluble Organometallic Catalysts from Carbohydrates. 1. Diphosphinite ^α Rh Complexes. <i>Organic Letters</i> , 1999, 1, 1229-1232.	2.4	54
22	Au(I)-catalyzed tandem [3,3]-sigmatropic rearrangement ^α cycloisomerization cascade as a route to spirocyclic furans. <i>Tetrahedron Letters</i> , 2007, 48, 4817-4820.	0.7	47
23	AgOTf and TfOH co-catalyzed isoquinoline synthesis via redox reactions of O-alkyl oximes. <i>Tetrahedron Letters</i> , 2009, 50, 2305-2308.	0.7	46
24	Silylstannylation of Allenes and Silylstannylation ^α Cyclization of Allenynes. Synthesis of Highly Functionalized Allylstannanes and Carbocyclic and Heterocyclic Compounds. <i>Journal of Organic Chemistry</i> , 2004, 69, 7157-7170.	1.7	44
25	Pd nanoparticle-silica nanotubes (Pd@SNTs) as an efficient catalyst for Suzuki ^α Miyaura coupling and sp ² C ^α -H arylation in water. <i>Green Chemistry</i> , 2013, 15, 3468.	4.6	42
26	Au(I)-catalyzed intramolecular oxidative cyclopropanation of 1,6-enynes derived from propiolamides with diphenyl sulfoxide. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1089.	1.5	40
27	Br ^α sted acid-catalyzed ^α -halogenation of ynamides from halogenated solvents and pyridine-N-oxides. <i>Chemical Communications</i> , 2017, 53, 2733-2736.	2.2	39
28	Metal-Free Iodine-Catalyzed Oxidation of Ynamides and Diaryl Acetylenes into 1,2-Diketo Compounds. <i>Journal of Organic Chemistry</i> , 2018, 83, 4703-4711.	1.7	39
29	Ir-Catalyzed Allylic Amination/Ring-Closing Metathesis: A New Route to Enantioselective Synthesis of Cyclic ^α -Amino Alcohol Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 7443-7446.	1.7	36
30	Manipulating interfaces in a hybrid solar cell by in situ photosensitizer polymerization and sequential hydrophilicity/hydrophobicity control for enhanced conversion efficiency. <i>Applied Physics Letters</i> , 2008, 92, 193307.	1.5	35
31	Silylstannylation of Highly Functionalized Acetylenes. Synthesis of Precursors for Annulations via Radical or Heck Reactions. <i>Organic Letters</i> , 2004, 6, 4053-4056.	2.4	31
32	Gold-catalyzed cyclization of enyne-1,6-diols to substituted furans. <i>Tetrahedron Letters</i> , 2010, 51, 1899-1901.	0.7	29
33	Br ^α sted Acid Catalyzed Oxygenative Bimolecular Friedel-Crafts-type Coupling of Ynamides. <i>Angewandte Chemie</i> , 2017, 129, 3724-3728.	1.6	29
34	Entry to ^α -Alkoxyacrylates via Gold-Catalyzed Intermolecular Coupling of Alkynoates and Allylic Ethers. <i>Organic Letters</i> , 2013, 15, 1166-1169.	2.4	26
35	IMDA cycloadditions of 3-alkynyl tethered 2-pyrones for the synthesis of medium-sized macrocycles. <i>Tetrahedron Letters</i> , 2004, 45, 5857-5860.	0.7	25
36	Asymmetric Synthesis of Dihydropyranones via Gold(I) ^α Catalyzed Intermolecular [4+2] Annulation of Propiolates and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13130-13134.	7.2	25

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37	Gold-Catalyzed Asymmetric Thioallylation of Propiolates via Charge-Induced Thio-Claisen Rearrangement. <i>Journal of the American Chemical Society</i> , 2020, 142, 20788-20795.	6.6	24
38	Organocatalytic Oxidative Functionalizations of Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 63-73.	1.3	23
39	Auxiliary-Controlled Asymmetric [3+2] Dipolar Cycloaddition of Azomethine Ylides Generated from Au-Catalyzed Intramolecular Redox Reaction of Nitronyl Alkynes. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1977-1981.	1.7	21
40	Aerobic oxygenative cleavage of electron deficient C≡C triple bonds in the gold-catalyzed cyclization of 1,6-enynes. <i>Chemical Communications</i> , 2014, 50, 12722-12725.	2.2	20
41	Highly Diastereoselective Type-I IMDA Reaction Forming Medium-Sized Macrolactones. <i>Organic Letters</i> , 2006, 8, 3339-3341.	2.4	19
42	Synthesis of β -substituted carbonyl compounds from DMSO-mediated oxidation of enynamides: mechanistic insights and carbon- and hetero-functionalizations. <i>Chemical Science</i> , 2019, 10, 8799-8805.	3.7	19
43	Silver(I)-Catalyzed Direct Route to Isoquinoline-N-Oxides. <i>Synlett</i> , 2008, 2008, 924-928.	1.0	18
44	Selectivity control by silver catalysts in the cycloisomerization of 1,6-enynes derived from propiolamides. <i>Tetrahedron Letters</i> , 2013, 54, 834-839.	0.7	18
45	Gold-catalyzed ring expansions of 1-alkynylcyclobutanol derivatives via tandem hydration and β -ketol rearrangement. <i>Tetrahedron</i> , 2012, 68, 5241-5247.	1.0	16
46	Gold-Catalyzed Regioselective Meyer-Schuster Rearrangement and Ring Expansion Cascade Leading to β -Hydroxyvinylcyclopentanones. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3749-3754.	2.1	16
47	Gold-Catalyzed Carbene Transfer Reactions. <i>Topics in Current Chemistry</i> , 2014, 357, 25-62.	4.0	15
48	Aminooxygenation of Ynamides with β -Hydroxybenzotriazoles: Synthesis of β -Benzotriazolyl Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2020, 85, 6935-6950.	1.7	15
49	Asymmetric Catalysis in Water: Prospects and Problems of Using Hydroxyphosphines and Hydroxyphosphinites as Ligands. <i>Current Organic Chemistry</i> , 2003, 7, 1759-1770.	0.9	15
50	Enantioselective Dearomative Cyclization of Homotryptamines with Allenamides into Indolo[2,3-b]quinolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1841-1845.	2.1	14
51	Enantioselective Synthesis of Tertiary β -Diaryl Carbonyl Compounds Using Chiral N,N -Dioxides under Umpolung Conditions. <i>Organic Letters</i> , 2020, 22, 1985-1990.	2.4	13
52	In situ preparation of CdS nanoparticles imbedded in a polyelectrolyte multilayer for photocurrent generation. <i>Applied Physics Letters</i> , 2008, 92, 023507.	1.5	12
53	Energy Transfer Photocatalytic Radical Rearrangement in N -Indolyl Carbonates. <i>Organic Letters</i> , 2022, 24, 1774-1779.	2.4	12
54	Coordinatively Polymerized Bilayer Membranes Prepared in Formamide. <i>Langmuir</i> , 1996, 12, 2323-2324.	1.6	11

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55	Thieme Chemistry Journal Awardees - Where Are They Now? Diastereoselective Tandem Iodocarbonate Cyclization of 1,5-Enynes. <i>Synlett</i> , 2010, 2010, 368-373.	1.0	11
56	Total Synthesis of (±)-Clivonine via Diels-Alder Reactions of 3,5-Dibromo-2-pyrone. <i>Journal of Organic Chemistry</i> , 2020, 85, 10035-10049.	1.7	11
57	Synthesis of Cyclohexene Derivatives from 1,5-Enynes via Gold-Catalysis and Iodocyclization: A Comparative Study and Applications in the Synthesis of 7/5- or 8/5-Fused Rings and Biaryls. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 670-677.	1.0	11
58	Energy Transfer Photolysis of <i>N</i> -Enoxybenzotriazoles into Benzotriazolyl and ±-Carbonyl Radicals. <i>ACS Catalysis</i> , 2022, 12, 8833-8840.	5.5	11
59	Gold-catalyzed intermolecular coupling of sulfonylacetylene with allyl ethers: [3,3]- and [1,3]-rearrangements. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1724-1729.	1.3	10
60	Metal-Free Synthesis of Indolopyrans and 2,3-Dihydrofurans Based on Tandem Oxidative Cycloaddition. <i>Organic Letters</i> , 2020, 22, 5528-5534.	2.4	10
61	Recent Progress in Enolonium Chemistry under Metal-Free Conditions. <i>Chemical Record</i> , 2022, 22, .	2.9	10
62	The effect of acceptor-substituted alkynes in gold-catalyzed intermolecular reactions. <i>Pure and Applied Chemistry</i> , 2014, 86, 373-379.	0.9	9
63	Î ² -Oxidation of Ynamides into <i>N,O</i> -Acetals by mCPBA: Application in Enantioselective Intermolecular Transacetalization. <i>Organic Letters</i> , 2019, 21, 9009-9013.	2.4	9
64	Gold(I)-Catalyzed Hydroaminative Cyclization Leading to 2,5-Dihydroisoxazole. <i>Synlett</i> , 2007, 2007, 2292-2294.	1.0	8
65	<i>ortho</i> -selective C-H arylation of phenols with <i>N</i> -carboxyindoles under Brønsted acid- or Cu-catalysis. <i>Chemical Science</i> , 2022, 13, 1169-1176.	3.7	8
66	<i>N</i> -Arylation of Sterically Hindered NH-Nucleophiles: Copper-Mediated Syntheses of Diverse <i>N</i> -Arylindole-2-carboxylates. <i>Synthesis</i> , 2015, 47, 3301-3308.	1.2	5
67	Asymmetric Synthesis of Dihydropyranones via Gold(I)-Catalyzed Intermolecular [4+2] Annulation of Propiolates and Alkenes. <i>Angewandte Chemie</i> , 2018, 130, 13314-13318.	1.6	4
68	Catalyzed Reductions in Aqueous Media. , 0, , 185-214.		4
69	Synthesis of <i>N</i> -Hydroxyindole Derivatives via Pd-Catalyzed Electrophilic Cyclization. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 925-928.	1.0	3
70	Au(I)-Catalyzed Cyclization of <i>tert</i> -Butyl Carbonates Derived from Homopropargyl Alcohols: A Catalytic Alternative to Cyclic Enol Carbonates. <i>Synlett</i> , 2006, 2006, 0717-0720.	1.0	2
71	Zinc-Catalyzed Transacetalization of <i>N,O</i> -Acetals into <i>N,N</i> -Acetals with Benzotriazoles, Indazoles, and Azides. <i>Synlett</i> , 0, 32, .	1.0	1
72	Asymmetric Catalysis in Water: Prospects and Problems of Using Hydroxyphosphines and Hydroxyphosphinites as Ligands. <i>ChemInform</i> , 2004, 35, no.	0.1	0

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73	IMDA Cycloadditions of 3-Alkynyl Tethered 2-Pyrones for the Synthesis of Medium-Sized Macrocycles.. ChemInform, 2004, 35, no.	0.1	0
74	Silylstannylation of Highly Functionalized Acetylenes. Synthesis of Precursors for Annulations via Radical or Heck Reactions.. ChemInform, 2005, 36, no.	0.1	0
75	Silylstannylation of Allenes and Silylstannylation?Cyclization of Allenynes. Synthesis of Highly Functionalized Allylstannanes and Carbocyclic and Heterocyclic Compounds.. ChemInform, 2005, 36, no.	0.1	0
76	Direct Asymmetric Zn ^{II} -Aldol Reaction of Methyl Vinyl Ketone and Its Synthetic Applications.. ChemInform, 2005, 36, no.	0.1	0
77	Rhodium-Catalyzed Tandem Cyclization ^{II} Cycloaddition Reactions of Enynebenzaldehydes: Construction of Polycyclic Ring Systems.. ChemInform, 2006, 37, no.	0.1	0
78	Gold-Catalyzed Cyclization of tert-Butyl Allenoate: General Synthesis of 2,4-Functionalized Butenolides.. ChemInform, 2006, 37, no.	0.1	0