

# Yunho Lee

## List of Publications by Year in descending order

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71  
papers

2,593  
citations

186265

28  
h-index

189892

50  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conformational Adaptation of $\beta$ -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
2	Conformational Adaptation of $\beta$ -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
3	Reductive Carbonylation of Nitroarenes Using a Heterogenized Phen-Pd Catalyst. <i>Inorganic Chemistry</i> , 2022, 61, 1552-1561.	4.0	5
4	Nickel-Catalyzed NO Group Transfer Coupled with NO <sub>2</sub> Conversion. <i>Journal of the American Chemical Society</i> , 2022, 144, 4585-4593.	13.7	6
5	Frontispiz: Conformational Adaptation of $\beta$ -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
6	Binding of carbon monoxide at a single nickel center and its oxidative reactivity toward CO <sub>2</sub> and O <sub>2</sub> . <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 222-226.	1.9	1
7	Frontispiece: Conformational Adaptation of $\beta$ -Peptide Foldamers for the Formation of Metal-Peptide Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	2
8	Chemoselective hydrogenation of $\alpha,\beta$ -unsaturated carbonyl compounds using a recyclable Ru catalyst embedded on a bisphosphine based POP. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 361-367.	5.8	7
9	Ni(0)-promoted activation of C <sub>sp2</sub> -H and C <sub>sp2</sub> -O bonds. <i>Chemical Science</i> , 2021, 12, 9983-9990.	7.4	3
10	Metal-ligand cooperative transformation of alkyl azide to isocyanate occurring at a Co-Si moiety. <i>Chemical Communications</i> , 2021, 57, 3219-3222.	4.1	8
11	Axial Redox Tuning at a Tetragonal Cobalt Center. <i>Inorganic Chemistry</i> , 2021, 60, 5647-5659.	4.0	2
12	Rapid ignition of green-bipropellants enlisting hypergolic copper (II) promoter-in-fuel. <i>Fuel</i> , 2021, 297, 120734.	6.4	16
13	Metal-ligand cooperativity of a Co-P moiety. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1172-1181.	6.0	6
14	Photophysical Tuning of Ir-SiH Copper-Carbazolid Complexes To Give Deep-Blue Emission. <i>Inorganic Chemistry</i> , 2020, 59, 315-324.	4.0	7
15	Metal-Ligand Cooperativity of Phosphorus-Containing Pincer Systems. <i>Topics in Organometallic Chemistry</i> , 2020, , 71.	0.7	0
16	Divergent Strategies for the C-Extension of Heteroaryl Halides Using Norbornadiene as an Acetylene Synth. <i>Organic Letters</i> , 2020, 22, 9670-9676.	4.6	12
17	Additive-promoted hypergolic ignition of ionic liquid with hydrogen peroxide. <i>Combustion and Flame</i> , 2020, 214, 426-436.	5.2	39
18	Catalytic hydrogenation of CO <sub>2</sub> at a structurally rigidified cobalt center. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1845-1850.	6.0	6

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19	A Silyl-Nickel Moiety as a Metal-Ligand Cooperative Site. <i>Inorganic Chemistry</i> , 2019, 58, 11534-11545.	4.0	17
20	A Low-Spin Three-Coordinate Cobalt(II) Complex and Its Reactivity toward H <sub>2</sub> and Silane. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6938-6942.	13.8	26
21	A Low-Spin Three-Coordinate Cobalt(II) Complex and Its Reactivity toward H <sub>2</sub> and Silane. <i>Angewandte Chemie</i> , 2019, 131, 7012-7016.	2.0	10
22	One metal is enough: a nickel complex reduces nitrate anions to nitrogen gas. <i>Chemical Science</i> , 2019, 10, 4767-4774.	7.4	33
23	Anionic Doping and Cationic Site Preference in CaYb <sub>4</sub> Al <sub>2</sub> Sb <sub>6</sub> Ge <sub>x</sub> (x = 0.2, 0.5). <i>Journal of Solid State Chemistry</i> , 2019, 58, 5827-5836.	4.0	9
24	Enhancing Trust of Supply Chain Using Blockchain Platform with Robust Data Model and Verification Mechanisms. , 2019, , .		7
25	Selective Transformation of CO <sub>2</sub> to CO at a Single Nickel Center. <i>Accounts of Chemical Research</i> , 2018, 51, 1144-1152.	15.6	43
26	Designing Redox-Stable Cobalt-Polypyridyl Complexes for Redox Flow Batteries: Spin-Crossover Delocalizes Excess Charge. <i>Advanced Energy Materials</i> , 2018, 8, 1702897.	19.5	38
27	Direct CO <sub>2</sub> Addition to a Ni(0)-CO Species Allows the Selective Generation of a Nickel(II) Carboxylate with Expulsion of CO. <i>Journal of the American Chemical Society</i> , 2018, 140, 2179-2185.	13.7	52
28	Enhanced Doubly Activated Dual Emission Fluorescent Probes for Selective Imaging of Glutathione or Cysteine in Living Systems. <i>Analytical Chemistry</i> , 2018, 90, 2648-2654.	6.5	137
29	HERMES: GS1-based Smart City Service Intercommunity. , 2018, , .		2
30	A P~P Bond as a Redox Reservoir and an Active Reaction Site. <i>Angewandte Chemie</i> , 2018, 130, 14355-14359.	2.0	3
31	Poly(amide-imide) materials for transparent and flexible displays. <i>Science Advances</i> , 2018, 4, eaau1956.	10.3	57
32	A P~P Bond as a Redox Reservoir and an Active Reaction Site. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14159-14163.	13.8	17
33	Bond Rotation in an Aromatic Carbaporphyrin: Allylporphyrin. <i>Chemistry - A European Journal</i> , 2018, 24, 10054-10058.	3.3	10
34	Well-Defined Cesium Benzotriazolide as an Active Catalyst for Generating Disubstituted Ureas from Carbon Dioxide and Amines. <i>ChemCatChem</i> , 2017, 9, 215-216.	3.7	0
35	Novel intramolecular I~I-interaction in a BODIPY system by oxidation of a single selenium center: geometrical stamping and spectroscopic and spectrometric distinctions. <i>Dalton Transactions</i> , 2017, 46, 4111-4117.	3.3	16
36	f-Complexation as a strategy for designing copper-based light emitters. <i>Chemical Communications</i> , 2017, 53, 2858-2861.	4.1	31

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37	A Tâ€šshaped Nickel(I) Metalloradical Species. <i>Angewandte Chemie</i> , 2017, 129, 9630-9634.	2.0	28
38	A Tâ€šshaped Nickel(I) Metalloradical Species. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9502-9506.	13.8	75
39	Computer-aided rational design of Fe( <i>iii</i> )-catalysts for the selective formation of cyclic carbonates from CO <sub>2</sub> and internal epoxides. <i>Catalysis Science and Technology</i> , 2017, 7, 4375-4387.	4.1	34
40	Single and double-doping effects on the thermoelectric properties of two Zintl compounds: Eu <sub>11</sub> Bi <sub>8.07(2)</sub> Sn <sub>1.93</sub> and Eu <sub>10.74(2)</sub> K <sub>0.26</sub> Bi <sub>9.14(2)</sub> Sn <sub>0.86</sub> . <i>Dalton Transactions</i> , 2017, 46, 11840-11850.	3.3	10
41	RÅ¼ctitelbild: A Tâ€šshaped Nickel(I) Metalloradical Species ( <i>Angew. Chem.</i> 32/2017). <i>Angewandte Chemie</i> , 2017, 129, 9754-9754.	2.0	0
42	Wellâ€šdefined Cesium Benzotriazolide as an Active Catalyst for Generating Disubstituted Ureas from Carbon Dioxide and Amines. <i>ChemCatChem</i> , 2017, 9, 247-252.	3.7	13
43	Carbon dioxide binding at a Ni/Fe center: synthesis and characterization of Ni( <i>I</i> )-CO <sub>2</sub> - <i>Î</i> C and Ni- <i>Î</i> /4-CO <sub>2</sub> - <i>Î</i> C: <i>Î</i> <sup>2</sup> O, Oâ€²-Fe. <i>Chemical Science</i> , 2017, 8, 600-605.	4.4	44
44	Synthesis and characterization of a four-coordinate nickel carbamate species (MeSiPr <sub>2</sub> ) <sub>2</sub> ETQqO <sub>0</sub> O <sub>0</sub> rgBT / Overlock 10 Tf 50 467 To <i>Chimica Acta</i> , 2017, 460, 55-62.	2.4	11
45	The unusual hydricity of a cobalt bound Siâ€“H moiety. <i>Chemical Communications</i> , 2016, 52, 9367-9370.	4.1	18
46	Alkoxide Migration at a Nickel(II) Center Induced by a <i>Î</i> -Acidic Ligand: Migratory Insertion versus Metalâ€“Ligand Cooperation. <i>Inorganic Chemistry</i> , 2016, 55, 12863-12871.	4.0	28
47	Formation of a tetranickel octacarbonyl cluster from the CO <sub>2</sub> reaction of a zero-valent nickel monocarbonyl species. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 849-855.	6.0	21
48	Reversible Intramolecular Pâ€“S Bond Formation Coupled with a Ni(0)/Ni(II) Redox Process. <i>Organometallics</i> , 2016, 35, 1586-1592.	2.3	20
49	Foldecture as a Core Material with Anisotropic Surface Characteristics. <i>Journal of the American Chemical Society</i> , 2015, 137, 2159-2162.	13.7	32
50	Crystal Structure, Chemical Bonding and Magnetism Studies for Three Quinary Polar Intermetallic Compounds in the (Eu <sub>1-x</sub> Cax) <sub>9</sub> In <sub>8</sub> (Ge <sub>1-y</sub> Sn <sub>y</sub> ) <sub>8</sub> (x = 0.66, y = 0.03) and the (Eu <sub>1-x</sub> Cax) <sub>3</sub> In <sub>3</sub> (Ge <sub>3-y</sub> Sn <sub>1+y</sub> ) (x = 0.1, y = 0.1). <i>Journal of Solid State Chemistry</i> , 2015, 277, 105-111.	1.1	0
51	Phosphinite-Ni(0) Mediated Formation of a Phosphide-Ni(II)-OCOOMe Species via Uncommon Metalâ€“Ligand Cooperation. <i>Journal of the American Chemical Society</i> , 2015, 137, 4280-4283.	13.7	58
52	Mechanistic Study on Câ€“C Bond Formation of a Nickel(I) Monocarbonyl Species with Alkyl Iodides: Experimental and Computational Investigations. <i>Organometallics</i> , 2015, 34, 4305-4311.	2.3	25
53	Vanadylâ€“catecholamine Hydrogels Inspired by Ascidians and Mussels. <i>Chemistry of Materials</i> , 2015, 27, 105-111.	6.7	61
54	Efficient Synthesis of Frutinoneâ€“A and Its Derivatives through Palladiumâ€“Catalyzed C=C-H Activation/Carbonylation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 878-881.	3.3	25

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55	Hydrogen-Bond-Assisted Controlled C-H Functionalization via Adaptive Recognition of a Purine Directing Group. <i>Journal of the American Chemical Society</i> , 2014, 136, 1132-1140.	13.7	146
56	Facile <i>meso</i> -BODIPY Annulation and Selective Sensing of Hypochlorite in Water. <i>Organic Letters</i> , 2014, 16, 520-523.	4.6	156
57	Transmethylation of a four-coordinate nickel( <i>sc</i> ) monocarbonyl species with methyl iodide. <i>Chemical Science</i> , 2014, 5, 3853-3858.	7.4	49
58	Single-Crystal Growth and Size Control of Three Novel Polar Intermetallics: Eu <sub>2.94(2)</sub> Ca <sub>6.06</sub> In <sub>8</sub> Ge <sub>8</sub> , Eu <sub>3.13(2)</sub> Ca <sub>5.87</sub> In <sub>8</sub> Ge <sub>8</sub> , and Sr <sub>3.23(3)</sub> Ca <sub>5.77</sub> In <sub>8</sub> Ge <sub>8</sub> with Crystal Structure, Chemical Bonding, and Magnetism Studies. <i>Inorganic Chemistry</i> , 2014, 53, 4669-4677.	4.0	8
59	Formation of a nickel carbon dioxide adduct and its transformation mediated by a Lewis acid. <i>Chemical Communications</i> , 2014, 50, 11458-11461.	4.1	74
60	Heterolytic H <sub>2</sub> Cleavage and Catalytic Hydrogenation by an Iron Metallaboratrane. <i>Organometallics</i> , 2013, 32, 3053-3062.	2.3	199
61	Synthesis and Reactivity of Nickel(II) Hydroxycarbonyl Species, NiCOOH- <i>C</i> . <i>Organometallics</i> , 2013, 32, 7195-7203.	2.3	61
62	Silylation of Iron-Bound Carbon Monoxide Affords a Terminal Fe Carbyne. <i>Journal of the American Chemical Society</i> , 2011, 133, 4438-4446.	13.7	76
63	A Nonclassical Dihydrogen Adduct of <i>S</i> = <sup>1</sup> / <sub>2</sub> Fe(I). <i>Journal of the American Chemical Society</i> , 2011, 133, 16366-16369.	13.7	59
64	Triggering N <sub>2</sub> uptake via redox-induced expulsion of coordinated NH <sub>3</sub> and N <sub>2</sub> silylation at trigonal bipyramidal iron. <i>Nature Chemistry</i> , 2010, 2, 558-565.	13.6	285
65	Sulfur Donor Atom Effects on Copper(I)/O <sub>2</sub> Chemistry with Thioanisole Containing Tetradentate N <sub>3</sub> S Ligand Leading to <sup>1</sup> / <sub>4</sub> -1,2-Peroxo-Dicopper(II) Species. <i>Inorganic Chemistry</i> , 2010, 49, 8873-8885.	4.0	37
66	Thioether S-ligation in a side-on <sup>1</sup> / <sub>2</sub> - <sup>1</sup> / <sub>2</sub> -peroxodicopper(ii) complex. <i>Chemical Communications</i> , 2010, 46, 91-93.	4.1	29
67	Copper(I)/O <sub>2</sub> Chemistry with Imidazole Containing Tripodal Tetradentate Ligands Leading to <sup>1</sup> / <sub>4</sub> -1,2-Peroxo-Dicopper(II) Species. <i>Inorganic Chemistry</i> , 2009, 48, 11297-11309.	4.0	47
68	Dinitrogen Complexes Supported by Tris(phosphino)silyl Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 2507-2517.	4.0	139
69	Thiol-copper(I) and disulfide-dicopper(I) complex O <sub>2</sub> -reactivity leading to sulfonate-copper(II) complex or the formation of a cross-linked thioether-phenol product with phenol addition. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1845-1858.	3.5	16
70	Thioether Sulfur Oxygenation from O <sub>2</sub> or H <sub>2</sub> O <sub>2</sub> Reactivity of Copper Complexes with Tridentate N <sub>2</sub> S-thioether Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 10098-10107.	4.0	36
71	A molecular pinwheel multicopper(i) cluster, [(LS <sup>+</sup> ) <sub>6</sub> Cu <sub>13</sub> (S <sup>2+</sup> ) <sub>2</sub> ] <sub>3+</sub> with <sup>1</sup> / <sub>4</sub> -sulfido, <sup>1</sup> / <sub>3</sub> -thiolato and nitrogenligands. <i>Chemical Communications</i> , 2006, , 621-623.	4.1	25