

Min Kim

List of Publications by Year in descending order

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122
all docs

122
docs citations

122
times ranked

6717
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosensors Based on Bivalent and Multivalent Recognition by Nucleic Acid Scaffolds. Applied Sciences (Switzerland), 2022, 12, 1717.	1.3	2
2	Post-synthetic ligand cyclization in metal-organic frameworks through functional group connection with regioisomerism. Chemical Communications, 2022, 58, 5948-5951.	2.2	5
3	Recent Advances in Catalytic [3,3]-Sigmatropic Rearrangements. Catalysts, 2022, 12, 227.	1.6	11
4	Uncoordinated tetrazole ligands in metal-organic frameworks for proton conductivity studies. Bulletin of the Korean Chemical Society, 2022, 43, 912-917.	1.0	11
5	Effect of N-Methylation on Dopamine Surface Chemistry. Langmuir, 2022, 38, 6404-6410.	1.6	5
6	Patchwork Metal-Organic Frameworks by Radical-Mediated Heterografting of Star Polymers for Surface Modification. Inorganic Chemistry, 2022, 61, 10365-10372.	1.9	4
7	Visible Light Photochemical Reactions for Nucleic Acid-Based Technologies. Molecules, 2021, 26, 556.	1.7	5
8	Strategies in Metal-Organic Framework-based Catalysts for the Aerobic Oxidation of Alcohols and Recent Progress. Bulletin of the Korean Chemical Society, 2021, 42, 359-368.	1.0	25
9	Pd-Catalyzed Regio- and Stereoselective $3\text{-C}^{\alpha}\text{H}$ Arylation of Primary Aliphatic Amines: Mechanistic Studies and Synthetic Applications. European Journal of Organic Chemistry, 2021, 1136-1145.	1.2	3
10	Amine-Tagged Fragmented Ligand Installation for Covalent Modification of MOF-74. Angewandte Chemie, 2021, 133, 9382-9386.	1.6	4
11	Amine-Tagged Fragmented Ligand Installation for Covalent Modification of MOF-74. Angewandte Chemie - International Edition, 2021, 60, 9296-9300.	7.2	26
12	p -Type Double Doping and the Diamond-like Morphology Shift of the Zintl Phase Thermoelectric Materials: The $\text{Ca}_{11}\text{As}_8\text{Sb}_{10}\text{Ge}_8$ ($A = \text{Tl, Pb, Bi, Sb, Sn, Ge}$) (A =) Tj. Chemistry, 2021, 60, 10124-10136.	1.7	0
13	Multiple functional groups in metal-organic frameworks and their positional regioisomerism. Coordination Chemistry Reviews, 2021, 438, 213892.	9.5	28
14	TEMPO-radical-bearing metal-organic frameworks and covalent organic frameworks for catalytic applications. Dalton Transactions, 2021, 50, 14081-14090.	1.6	8
15	Synthesis and Photophysical Properties of a Series of Dimeric Indium Quinolinates. Molecules, 2021, 26, 34.	1.7	2
16	Transformation of tert-Butyl Amide Directing Groups to Nitriles in Iridium-Catalyzed $\text{C}^{\alpha}\text{-H}$ Bond Functionalizations. Asian Journal of Organic Chemistry, 2021, 10, 3411.	1.3	1
17	N-Heterocyclic Carbene (NHC) Complexes of Rhodium and Iridium. , 2021, , .		0
18	Cobalt-Catalyzed Cyclization of 2-Bromobenzamides with Carbodiimides: A New Route for the Synthesis of 3-(Imino)isoindolin-1-ones. Molecules, 2021, 26, 7212.	1.7	1

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19	Effect of Head Structure on ATP Detection in Polydiacetylene Systems. <i>Macromolecular Research</i> , 2020, 28, 62-66.	1.0	6
20	Sequential Connection of Mutually Exclusive Catalytic Reactions by a Method Controlling the Presence of an MOF Catalyst: One-Pot Oxidation of Alcohols to Carboxylic Acids. <i>Inorganic Chemistry</i> , 2020, 59, 17573-17582.	1.9	19
21	Transition Metal-Catalyzed α -Position Carbon-Carbon Bond Formations of Carbonyl Derivatives. <i>Catalysts</i> , 2020, 10, 861.	1.6	21
22	Augmentation of the antitumor effects of PARP inhibitors in triple-negative breast cancer via degradation by hydrophobic tagging modulation. <i>European Journal of Medicinal Chemistry</i> , 2020, 204, 112635.	2.6	18
23	Pore Engineering of Covalently Connected Metal-Organic Framework Nanoparticle-Mixed-Matrix Membrane Composites for Molecular Separation. <i>ACS Applied Nano Materials</i> , 2020, 3, 9356-9362.	2.4	16
24	Dual-fixations of europium cations and TEMPO species on metal-organic frameworks for the aerobic oxidation of alcohols. <i>Dalton Transactions</i> , 2020, 49, 8060-8066.	1.6	12
25	Pore engineering of metal-organic frameworks with coordinating functionalities. <i>Coordination Chemistry Reviews</i> , 2020, 420, 213377.	9.5	75
26	Transient Directing Group-Assisted C-H Bond Functionalization of Aliphatic Amines: Strategies for Efficiency and Site-Selectivity. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 582-587.	1.0	11
27	Experimental, Structural, and Computational Investigation of Mixed Metal-Organic Frameworks from Regioisomeric Ligands for Porosity Control. <i>Crystal Growth and Design</i> , 2020, 20, 5338-5345.	1.4	3
28	Synthesis and Photophysical Properties of (Cl ₂ Ph) ₂ Salen-based Indium Complexes. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 748-752.	1.0	4
29	Surface-Deactivated Core-Shell Metal-Organic Framework by Simple Ligand Exchange for Enhanced Size Discrimination in Aerobic Oxidation of Alcohols. <i>Chemistry - A European Journal</i> , 2020, 26, 7568-7572.	1.7	34
30	Mussel-Inspired, One-Step Thiol Functionalization of Solid Surfaces. <i>Langmuir</i> , 2020, 36, 1608-1614.	1.6	10
31	Development of Heterogeneous Enantioselective Catalysts using Chiral Metal-Organic Frameworks (MOFs). <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
32	Ir-Catalyzed C-H Amidation Using Carbamoyl Azides for the Syntheses of Unsymmetrical Ureas. <i>Journal of Organic Chemistry</i> , 2020, 85, 6233-6241.	1.7	11
33	Positional Installation of Unsymmetrical Fluorine Functionalities onto Metal-Organic Frameworks for Efficient Carbon Dioxide Separation under Humid Conditions. <i>Inorganic Chemistry</i> , 2020, 59, 18048-18054.	1.9	14
34	Effect of the Metal within Regioisomeric Paddlewheel-Type Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 14414-14420.	1.7	7
35	Carbazole-Appended Salen-Indium Conjugate Systems: Synthesis and Enhanced Luminescence Efficiency. <i>Inorganic Chemistry</i> , 2019, 58, 12358-12364.	1.9	15
36	Synthesis of o-carborane-functionalized metal-organic frameworks through ligand exchanges for aggregation-induced emission in the solid state. <i>Chemical Communications</i> , 2019, 55, 11844-11847.	2.2	14

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37	Systematic Control of the Overlapping Energy Region for an Efficient Intramolecular Energy Transfer: Functionalized Salen ^{Al} /Triphenylamine Guest ^{Al} Host Assemblies. <i>Inorganic Chemistry</i> , 2019, 58, 2454-2462.	1.9	13
38	A Series of Quinolinol-Based Indium Luminophores: A Rational Design Approach for Manipulating Photophysical Properties. <i>Inorganic Chemistry</i> , 2019, 58, 8056-8063.	1.9	8
39	Photochemical Control of Polydopamine Coating in an Aprotic Organic Solvent. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1610-1612.	1.3	4
40	Halide-Free and Bifunctional One-Component Catalysts for the Coupling of Carbon Dioxide and Epoxides. <i>Inorganic Chemistry</i> , 2019, 58, 5922-5931.	1.9	12
41	4-(3-Aminopropyl)-benzene-1,2-diol: An Improved Material-Independent Surface-Coating Reagent Compared to Dopamine. <i>Langmuir</i> , 2019, 35, 6898-6904.	1.6	8
42	Identification of Reaction Sites on Metal ^{Al} -Organic Framework-Based Asymmetric Catalysts for Carbonyl ^{Al} -Ene Reactions. <i>ACS Catalysis</i> , 2019, 9, 3969-3977.	5.5	24
43	Recent Organic Transformations with Silver Carbonate as a Key External Base and Oxidant. <i>Catalysts</i> , 2019, 9, 1032.	1.6	11
44	New Aspects of Recently Developed Rhodium(N ^{Al} -Heterocyclic Carbene) ^{Al} -Catalyzed Organic Transformations. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1479-1499.	2.1	30
45	Europium ^{Al} -Catalyzed Aerobic Oxidation of Alcohols to Aldehydes/Ketones and Photoluminescence Tracking. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1259-1264.	2.1	18
46	Direct synthesis of anthracenes from o-tolualdehydes and aryl iodides through Pd(II)-Catalyzed sp ² C-H arylation and electrophilic aromatic cyclization. <i>Tetrahedron</i> , 2018, 74, 2048-2055.	1.0	28
47	Salen-indium/triarylborane triads: synthesis and ratiometric emission-colour changes by fluoride ion binding. <i>Dalton Transactions</i> , 2018, 47, 5310-5317.	1.6	13
48	Functional group effects on a metal-organic framework catalyst for CO ₂ cycloaddition. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 478-483.	2.9	62
49	A salen ^{Al} /carbazole dyad-based guest ^{Al} host assembly: enhancement of luminescence efficiency via intramolecular energy transfer. <i>Chemical Communications</i> , 2018, 54, 4712-4715.	2.2	13
50	Defect Engineering into Metal ^{Al} -Organic Frameworks for the Rapid and Sequential Installation of Functionalities. <i>Inorganic Chemistry</i> , 2018, 57, 1040-1047.	1.9	31
51	Stepwise blue-red-yellow color change of a polydiacetylene sensor through internal and external transitions. <i>Dyes and Pigments</i> , 2018, 149, 242-245.	2.0	13
52	Adsorptive separation of xenon/krypton mixtures using ligand controls in a zirconium-based metal-organic framework. <i>Chemical Engineering Journal</i> , 2018, 335, 345-351.	6.6	55
53	Three Component Controls in Pillared Metal-Organic Frameworks for Catalytic Carbon Dioxide Fixation. <i>Catalysts</i> , 2018, 8, 565.	1.6	5
54	Systematic design of indium-based luminophores with color-tunable emission via combined manipulation of HOMO and LUMO levels. <i>Dyes and Pigments</i> , 2018, 158, 285-294.	2.0	17

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55	Thiol-ene photopolymerization of vinyl-functionalized metal-organic frameworks towards mixed-matrix membranes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21961-21968.	5.2	44
56	Intriguing Indium-salen Complexes as Multicolor Luminophores. <i>Inorganic Chemistry</i> , 2017, 56, 2621-2626.	1.9	28
57	Systemized organic functional group controls in polydiacetylenes and their effects on color changes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45011.	1.3	15
58	Synthesis of functionalized titanium-carboxylate molecular clusters and their catalytic activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 171-176.	2.9	12
59	Highly Active Salen-Based Aluminum Catalyst for the Coupling of Carbon Dioxide with Epoxides at Ambient Temperature. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5372-5378.	1.0	27
60	Flexibility in metal-organic frameworks derived from positional and electronic effects of functional groups. <i>CrystEngComm</i> , 2017, 19, 5361-5368.	1.3	12
61	Synthesis, characterization, and cycloaddition reaction studies of zinc(II) acetate complexes containing 2,6-bis(pyrazol-1-yl)pyridine and 2,6-bis(3,5-dimethylpyrazol-1-yl)pyridine ligands. <i>Polyhedron</i> , 2017, 125, 101-106.	1.0	10
62	Visible Light-Mediated Installation of Halogen Functionalities into Multiple Bond Systems. <i>ChemistrySelect</i> , 2017, 2, 9136-9146.	0.7	7
63	A potential role of a substrate as a base for the deprotonation pathway in Rh-catalysed C-H amination of heteroarenes: DFT insights. <i>Dalton Transactions</i> , 2016, 45, 7980-7985.	1.6	14
64	Selective Synthesis of Homoleptic and Heteroleptic Triarylboranes and Their Novel Colour Tunable Properties. <i>ChemistrySelect</i> , 2016, 1, 1239-1242.	0.7	3
65	Tertiary amines: A new class of highly efficient organocatalysts for CO ₂ fixations. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 210-215.	2.9	48
66	Aromatic Substituent Effects on the Flexibility of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2016, 55, 7576-7581.	1.9	22
67	Trans-fused 5-[(tert-Butoxycarbonyl)amino]octahydroindenes as a protease activated receptor-1 (PAR1) antagonist. <i>Archives of Pharmacal Research</i> , 2016, 39, 1275-1295.	2.7	2
68	A Versatile Cobalt Catalyst for Secondary and Tertiary Amide Synthesis from Various Carboxylic Acid Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 222-231.	1.3	10
69	Temperature-controlled acyloxylation and hydroxylations of bromoarene by a silver salt. <i>Tetrahedron Letters</i> , 2016, 57, 781-783.	0.7	10
70	A Tuned Bicyclic Proazaphosphatrane for Catalytically Enhanced Arylation Reactions with Aryl Chlorides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1954-1960.	1.2	8
71	MIL-101(Fe) as a lithium-ion battery electrode material: a relaxation and intercalation mechanism during lithium insertion. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4738-4744.	5.2	168
72	Copper-Catalyzed Selective Arylations of Benzoxazoles with Aryl Iodides. <i>Journal of Organic Chemistry</i> , 2015, 80, 3670-3676.	1.7	29

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73	Synthesis of secondary and tertiary amine-containing MOFs: C–N bond cleavage during MOF synthesis. <i>CrystEngComm</i> , 2015, 17, 5644-5650.	1.3	10
74	Cobalt/nitrophenolate-catalyzed selective conversion of aldoximes into nitriles or amides. <i>Catalysis Communications</i> , 2015, 60, 120-123.	1.6	8
75	Charged functional group effects on a metal–organic framework for selective organic dye adsorptions. <i>CrystEngComm</i> , 2015, 17, 8418-8422.	1.3	40
76	Zirconocene Complexes as Catalysts for the Cycloaddition of CO ₂ to Propylene Oxide. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5107-5112.	1.0	12
77	Titanium complexes containing bidentate benzotriazole ligands as catalysts for the ring opening polymerization of lactide. <i>Polyhedron</i> , 2014, 67, 286-294.	1.0	23
78	Zirconium complexes with pendant aryloxy groups attached to the metallocene moiety by ethyl or hexyl spacers. <i>Polyhedron</i> , 2014, 67, 205-212.	1.0	4
79	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.	6.6	146
80	Synergistic Effect of a Bis(proazaphosphatrane) in Mild Palladium-Catalyzed Direct Arylations of Nitriles with Aryl Chlorides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6025-6029.	1.2	13
81	Dinuclear Aluminum Complexes as Catalysts for Cycloaddition of CO ₂ to Epoxides. <i>Organometallics</i> , 2014, 33, 2770-2775.	1.1	48
82	Synthetic Uses of Ammonia in Transition-Metal Catalysis. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3201-3213.	1.2	87
83	Site-selective cyclometalation of a metal–organic framework. <i>Chemical Science</i> , 2013, 4, 601-605.	3.7	49
84	Discovery, development, and functionalization of Zr-based metal–organic frameworks. <i>CrystEngComm</i> , 2012, 14, 4096-4104.	1.3	282
85	Tuning the Adsorption Properties of UiO-66 via Ligand Functionalization. <i>Langmuir</i> , 2012, 28, 15606-15613.	1.6	505
86	Postsynthetic Ligand and Cation Exchange in Robust Metal–Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 18082-18088.	6.6	702
87	Functional tolerance in an isoreticular series of highly porous metal–organic frameworks. <i>Dalton Transactions</i> , 2012, 41, 6277.	1.6	17
88	Single-Atom Ligand Changes Affect Breathing in an Extended Metal–Organic Framework. <i>Inorganic Chemistry</i> , 2012, 51, 5671-5676.	1.9	61
89	Postsynthetic ligand exchange as a route to functionalization of “inert” metal–organic frameworks. <i>Chemical Science</i> , 2012, 3, 126-130.	3.7	403
90	Intramolecular Oxidative Diamination and Aminohydroxylation of Olefins under Metal-Free Conditions. <i>Organic Letters</i> , 2012, 14, 1424-1427.	2.4	94

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91	Microwave-Assisted Cyanation of an Aryl Bromide Directly on a Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2011, 50, 729-731.	1.9	81
92	Rhodium(NHC)-Catalyzed <i>ortho</i> -Arylation of Aryl Bromides. <i>Organic Letters</i> , 2011, 13, 2368-2371.	2.4	52
93	Intermolecular Oxidative C-N Bond Formation under Metal-Free Conditions: Control of Chemoselectivity between Aryl sp^2 and Benzylic sp^3 C-H Bond Imidation. <i>Journal of the American Chemical Society</i> , 2011, 133, 16382-16385.	6.6	365
94	Postsynthetic modification at orthogonal reactive sites on mixed, bifunctional metal-organic frameworks. <i>Chemical Communications</i> , 2011, 47, 7629.	2.2	71
95	Rh(NHC)-Catalyzed Direct and Selective Arylation of Quinolines at the 8-Position. <i>Journal of the American Chemical Society</i> , 2011, 133, 3780-3783.	6.6	223
96	Metal-Organic Framework Regioisomers Based on Bifunctional Ligands. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12193-12196.	7.2	57
97	Rhodium(NHC)-Catalyzed Amination of Aryl Bromides. <i>Organic Letters</i> , 2010, 12, 1640-1643.	2.4	76
98	Significant Self-Acceleration Effects of Nitrile Additives in the Rhodium-Catalyzed Conversion of Aldoximes to Amides: A New Mechanistic Aspect. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1807-1812.	2.1	82
99	Rhodium/N-Heterocyclic Carbene Catalyzed Direct Intermolecular Arylation of sp^2 and sp^3 C-H Bonds with Chelation Assistance. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8935-8939.	7.2	145
100	Highly Efficient and Versatile Synthesis of Polyarylfuorenes via Pd-Catalyzed C-H Bond Activation. <i>Organic Letters</i> , 2009, 11, 4588-4591.	2.4	72
101	Anhydrous Hydration of Nitriles to Amides using Aldoximes as the Water Source. <i>Organic Letters</i> , 2009, 11, 5598-5601.	2.4	79
102	Trimanganese Complexes Bearing Bidentate Nitrogen Ligands as a Highly Efficient Catalyst Precursor in the Epoxidation of Alkenes. <i>Journal of Organic Chemistry</i> , 2006, 71, 6721-6727.	1.7	37
103	WO ₃ Nanoparticles on MCM-48 as a Highly Selective and Versatile Heterogeneous Catalyst for the Oxidation of Olefins, Sulfides, and Cyclic Ketones. <i>Organic Letters</i> , 2005, 7, 5015-5018.	2.4	97
104	Use of Ruthenium/Alumina as a Convenient Catalyst for Copper-Free Sonogashira Coupling Reactions. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1638-1640.	2.1	74
105	Differential ion dehydration energetics explains selectivity in the non-canonical lysosomal K ⁺ channel TMEM175. <i>ELife</i> , 0, 11, .	2.8	9