Mi Hee Lim

List of Publications by Year
in descending order

156 papers	10,714 citations	36203 51 h-index	33814 99 g-index
179 all docs	179 docs citations	179 times ranked	10148 citing authors

#	Article	IF	Citations
1	Crystallographic and Spectroscopic Characterization of a Nonheme Fe(IV)&cjs0811;O Complex. Science, 2003, 299, 1037-1039.	6.0	870
2	Towards an understanding of amyloid-Î² oligomers: characterization, toxicity mechanisms, and inhibitors. Chemical Society Reviews, 2017, 46, 310-323.	18.7	405
3	Development of Multifunctional Molecules as Potential Therapeutic Candidates for Alzheimerâ€™s Disease, Parkinsonâ€™s Disease, and Amyotrophic Lateral Sclerosis in the Last Decade. Chemical Reviews, 2019, 119, 1221-1322.	23.0	360
4	Misfolded proteins in Alzheimer's disease and type II diabetes. Chemical Society Reviews, 2012, 41, 608-621.	18.7	335
5	Visualization of nitric oxide in living cells by a copper-based fluorescent probe. Nature Chemical Biology, 2006, 2, 375-380.	3.9	334
6	Endoplasmic Reticulum-Localized Iridium(III) Complexes as Efficient Photodynamic Therapy Agents via Protein Modifications. Journal of the American Chemical Society, 2016, 138, 10968-10977.	6.6	330
7	Untangling Amyloid-Î², Tau, and Metals in Alzheimerâ€™s Disease. ACS Chemical Biology, 2013, 8, 856-865.	1.6	329
8	An FeIVO complex of a tetradentate tripodal nonheme ligand. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3665-3670.	3.3	322
9	Structure and reactivity of a mononuclear non-haem iron(III)â€“peroxo complex. Nature, 2011, 478, 502-505.	13.7	292
10	Direct Nitric Oxide Detection in Aqueous Solution by Copper(II) Fluorescein Complexes. Journal of the American Chemical Society, 2006, 128, 14364-14373.	6.6	257
11	Design of small molecules that target metal-AÎ² species and regulate metal-induced AÎ² aggregation and neurotoxicity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21990-21995.	3.3	253
12	Metal-Based Turn-On Fluorescent Probes for Sensing Nitric Oxide. Accounts of Chemical Research, 2007, 40, 41-51.	7.6	239
13	Metal-associated amyloid-Î² species in Alzheimer's disease. Current Opinion in Chemical Biology, 2012, 16, 67-73.	2.8	230
14	Insights into antiamyloidogenic properties of the green tea extract (â^’)-epigallocatechin-3-gallate toward metal-associated amyloid-Î² species. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3743-3748.	3.3	221
15	Small Molecule Modulators of Copper-Induced AÎ² Aggregation. Journal of the American Chemical Society, 2009, 131, 16663-16665.	6.6	189
16	Rational Design of a Structural Framework with Potential Use to Develop Chemical Reagents That Target and Modulate Multiple Facets of Alzheimerâ€™s Disease. Journal of the American Chemical Society, 2014, 136, 299-310.	6.6	166
17	Evidence for the Participation of Two Distinct Reactive Intermediates in Iron(III) Porphyrin Complex-Catalyzed Epoxidation Reactions. Journal of the American Chemical Society, 2000, 122, 6641-6647.	6.6	150
18	Structural Insights into Nonheme Alkylperoxoiron(III) and Oxoiron(IV) Intermediates by X-ray Absorption Spectroscopy. Journal of the American Chemical Society, 2004, 126, 16750-16761.	6.6	149

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19	The Ongoing Search for Small Molecules to Study Metal-Associated Amyloid-Î² Species in Alzheimerâ€™s Disease. Accounts of Chemical Research, 2014, 47, 2475-2482.	7.6	149
20	First Direct Evidence for Stereospecific Olefin Epoxidation and Alkane Hydroxylation by an Oxoiron(IV) Porphyrin Complex. Journal of the American Chemical Society, 2003, 125, 14674-14675.	6.6	146
21	Reduced Lipid Bilayer Thickness Regulates the Aggregation and Cytotoxicity of Amyloid-Î². Journal of Biological Chemistry, 2017, 292, 4638-4650.	1.6	145
22	Isolation of an Oxomanganese(V) Porphyrin Intermediate in the Reaction of a Manganese(III) Porphyrin Complex and H2O2 in Aqueous Solution. Chemistry - A European Journal, 2002, 8, 2067-2071.	1.7	135
23	Dirhodium Tetracarboxylate Scaffolds as Reversible Fluorescence-Based Nitric Oxide Sensors. Journal of the American Chemical Society, 2004, 126, 4972-4978.	6.6	135
24	Copper Complexes for Fluorescence-Based NO Detection in Aqueous Solution. Journal of the American Chemical Society, 2005, 127, 12170-12171.	6.6	125
25	Anionic Ligand Effect on the Nature of Epoxidizing Intermediates in Iron Porphyrin Complex-Catalyzed Epoxidation Reactions. Inorganic Chemistry, 2002, 41, 3647-3652.	1.9	124
26	Sensitivity of Ru(bpy)₂dppz²⁺Luminescence to DNA Defects. Inorganic Chemistry, 2009, 48, 5392-5397.	1.9	118
27	Conjugated Polymer-Based Fluorescence Turn-On Sensor for Nitric Oxide. Organic Letters, 2005, 7, 3573-3575.	2.4	106
28	Participation of Two Distinct Hydroxylating Intermediates in Iron(III) Porphyrin Complex-Catalyzed Hydroxylation of Alkanes. Journal of the American Chemical Society, 2000, 122, 10805-10809.	6.6	104
29	Remarkable Anionic Axial Ligand Effects of Iron(III) Porphyrin Complexes on the Catalytic Oxygenations of Hydrocarbons by H2O2 and the Formation of Oxoiron(IV) Porphyrin Intermediates bym-Chloroperoxybenzoic Acid. Angewandte Chemie - International Edition, 2000, 39, 3646-3649.	7.2	101
30	Colorimetric detection of Fe3+ and Fe2+ and sequential fluorescent detection of Al3+ and pyrophosphate by an imidazole-based chemosensor in a near-perfect aqueous solution. Dyes and Pigments, 2017, 139, 136-147.	2.0	99
31	Effects of Clioquinol on Metal-Triggered Amyloid-Î² Aggregation Revisited. Inorganic Chemistry, 2009, 48, 9596-9598.	1.9	93
32	Reversible Formation of Iodosylbenzeneâ€“Iron Porphyrin Intermediates in the Reaction of Oxoiron(IV) PorphyrinÏ€-Cation Radicals and Iodobenzene. Angewandte Chemie - International Edition, 2003, 42, 109-111.	7.2	91
33	Cholesterol and metal ions in Alzheimer's disease. Chemical Society Reviews, 2014, 43, 6672-6682.	18.7	82
34	Myricetin: A Naturally Occurring Regulator of Metalâ€Induced Amyloidâ€Î² Aggregation and Neurotoxicity. ChemBioChem, 2011, 12, 1198-1201.	1.3	81
35	Structure-mechanism-based engineering of chemical regulators targeting distinct pathological factors in Alzheimerâ€™s disease. Nature Communications, 2016, 7, 13115.	5.8	80
36	Effect of Anionic Axial Ligands on the Formation of Oxoiron(IV) Porphyrin Intermediates. Inorganic Chemistry, 2000, 39, 5572-5575.	1.9	79

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37	Fluorescence-Based Nitric Oxide Detection by Ruthenium Porphyrin Fluorophore Complexes. Inorganic Chemistry, 2004, 43, 6366-6370.	1.9	79
38	Multi-target-directed phenolâ€"triazole ligands as therapeutic agents for Alzheimer's disease. Chemical Science, 2017, 8, 5636-5643.	3.7	79
39	Luminescent Properties of Ruthenium(II) Complexes with Sterically Expansive Ligands Bound to DNA Defects. Inorganic Chemistry, 2012, 51, 12511-12520.	1.9	78
40	Biomimetic Alkane Hydroxylations by an Iron(III) Porphyrin Complex with H2O2and by a High-Valent Iron(IV) Oxo Porphyrin Cation Radical Complex. Inorganic Chemistry, 1999, 38, 3238-3240.	1.9	76
41	Development of Bifunctional Stilbene Derivatives for Targeting and Modulating Metal-Amyloid-Î² Species. Inorganic Chemistry, 2011, 50, 10724-10734.	1.9	75
42	Amyloid-Î² adopts a conserved, partially folded structure upon binding to zwitterionic lipid bilayers prior to amyloid formation. Chemical Communications, 2016, 52, 882-885.	2.2	66
43	A Redox-Active, Compact Molecule for Cross-Linking Amyloidogenic Peptides into Nontoxic, Off-Pathway Aggregates: In Vitro and In Vivo Efficacy and Molecular Mechanisms. Journal of the American Chemical Society, 2015, 137, 14785-14797.	6.6	65
44	Fluorescent Nitric Oxide Detection by Copper Complexes Bearing Anthracenyl and Dansyl Fluorophore Ligands. Inorganic Chemistry, 2006, 45, 8980-8989.	1.9	62
45	Regulatory Activities of Dopamine and Its Derivatives toward Metal-Free and Metal-Induced Amyloid-Î² Aggregation, Oxidative Stress, and Inflammation in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 2655-2666.	1.7	62
46	Molecular Insights into Human Serum Albumin as a Receptor of Amyloid-Î² in the Extracellular Region. Journal of the American Chemical Society, 2017, 139, 15437-15445.	6.6	61
47	A rationally designed small molecule for identifying an in vivo link between metalâ€"amyloid-Î² complexes and the pathogenesis of Alzheimer's disease. Chemical Science, 2015, 6, 1879-1886.	3.7	60
48	Self-hydroxylation of perbenzoic acids at a nonheme iron(ii) center. Chemical Communications, 2005, , 5644.	2.2	59
49	A novel â€œoff-onâ€•type fluorescent chemosensor for detection of Zn2+ and its zinc complex for â€œon-offâ€•fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. Sensors and Actuators B: Chemical, 2018, 267, 58-69.	4.0	59
50	Dual-function triazoleâ€"pyridine derivatives as inhibitors of metal-induced amyloid-Î² aggregation. Metallomics, 2012, 4, 910.	1.0	58
51	Mechanistic Insights into Tunable Metal-Mediated Hydrolysis of Amyloid-Î² Peptides. Journal of the American Chemical Society, 2017, 139, 2234-2244.	6.6	55
52	A water-soluble fluorescence chemosensor for the sequential detection of Zn2+ and pyrophosphate in living cells and zebrafish. Dyes and Pigments, 2018, 152, 131-138.	2.0	55
53	Link of impaired metal ion homeostasis to mitochondrial dysfunction in neurons. Current Opinion in Chemical Biology, 2018, 43, 8-14.	2.8	55
54	Interaction and reactivity of synthetic aminoisoflavones with metal-free and metal-associated amyloid-Î². Chemical Science, 2014, 5, 4851-4862.	3.7	50

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55	Synthesis of isomerically pure carboxylate- and sulfonate-substituted xanthene fluorophores. Tetrahedron, 2005, 61, 3097-3105.	1.0	49
56	A small molecule that displays marked reactivity toward copperâ€“ versus zincâ€“amyloid-Î² implicated in Alzheimer's disease. Chemical Communications, 2014, 50, 5301-5303.	2.2	49
57	A novel hybrid of 6-chlorotacrine and metalâ€“amyloid-Î² modulator for inhibition of acetylcholinesterase and metal-induced amyloid-Î² aggregation. Chemical Science, 2013, 4, 4137.	3.7	48
58	Thiophene and diethylaminophenol-based â€œturn-onâ€•fluorescence chemosensor for detection of Al3+ and Fâˆ’ in a near-perfect aqueous solution. Tetrahedron, 2017, 73, 2690-2697.	1.0	45
59	Fluorescent determination of zinc by a quinoline-based chemosensor in aqueous media and zebrafish. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 219, 74-82.	2.0	45
60	Reactivity of Metal-Free and Metal-Associated Amyloid-Î² with Glycosylated Polyphenols and Their Esterified Derivatives. Scientific Reports, 2015, 5, 17842.	1.6	44
61	A PET-based fluorometric chemosensor for the determination of mercury(<scp>ii</scp>) and pH, and hydrolysis reaction-based colorimetric detection of hydrogen sulfide. Dalton Transactions, 2016, 45, 5700-5712.	1.6	44
62	Single fluorescent chemosensor for multiple targets: sequential detection of Al³⁺and pyrophosphate and selective detection of F^{âˆ’}in near-perfect aqueous solution. New Journal of Chemistry, 2017, 41, 15590-15600.	1.4	43
63	Strategies Employing Transition Metal Complexes To Modulate Amyloid-Î² Aggregation. Inorganic Chemistry, 2019, 58, 8-17.	1.9	43
64	Parallel mechanistic studies on the counterion effect of manganese salen and porphyrin complexes on olefin epoxidation by iodosylarenes. Journal of Inorganic Biochemistry, 2005, 99, 424-431.	1.5	38
65	Structure and assembly mechanisms of toxic human islet amyloid polypeptide oligomers associated with copper. Chemical Science, 2016, 7, 5398-5406.	3.7	38
66	A single fluorescent chemosensor for multiple targets of Cu²⁺, Fe^{2+/3+} and Al³⁺ in living cells and a near-perfect aqueous solution. RSC Advances, 2017, 7, 28723-28732.	1.7	38
67	Fluorescent Sensor for Sequentially Monitoring Zinc(II) and Cyanide Anion in Near-Perfect Aqueous Media. Industrial & Engineering Chemistry Research, 2018, 57, 54-62.	1.8	38
68	A highly sensitive and selective fluorescent chemosensor for the sequential recognition of Zn2+ and S2âˆ’ in living cells and aqueous media. Sensors and Actuators B: Chemical, 2018, 255, 3108-3116.	4.0	37
69	Synthesis and characterization of IMPY derivatives that regulate metal-induced amyloid-Î² aggregation. Metallomics, 2011, 3, 284.	1.0	36
70	Reactivity of Diphenylpropynone Derivatives Toward Metal-Associated Amyloid-Î² Species. Inorganic Chemistry, 2012, 51, 12959-12967.	1.9	36
71	Structural Characterization and Inhibition of Toxic Amyloid-Î² Oligomeric Intermediates. Biophysical Journal, 2013, 105, 287-288.	0.2	36
72	Recent Development of Bifunctional Small Molecules to Study Metal-Amyloid-Î² Species in Alzheimer's Disease. International Journal of Alzheimer's Disease, 2011, 2011, 1-9.	1.1	35

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73	Inhibitory Activity of Curcumin Derivatives Towards Metal-Free and Metal-Induced Amyloid-β Aggregation. Current Alzheimer Research, 2015, 12, 415-423.	0.7	35
74	Nitric Oxide-Induced Fluorescence Enhancement by Displacement of Dansylated Ligands from Cobalt. ChemBioChem, 2006, 7, 1571-1576.	1.3	34
75	Tools of the Trade: Investigations into Design Strategies of Small Molecules to Target Components in Alzheimer's Disease. ChemBioChem, 2015, 16, 887-898.	1.3	34
76	A highly selective fluorescent sensor for the detection of Al³⁺ and CN^{âˆ’} in aqueous solution: biological applications and DFT calculations. New Journal of Chemistry, 2016, 40, 8918-8927.	1.4	34
77	<i>N</i> , <i>N</i> â€²-Diacetyl- <i>p</i> -phenylenediamine restores microglial phagocytosis and improves cognitive defects in Alzheimerâ€™s disease transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23426-23436.	3.3	34
78	A highly selective turn-on chemosensor for Zn2+ in aqueous media and living cells. Sensors and Actuators B: Chemical, 2017, 244, 1045-1053.	4.0	33
79	An Iridium(III) Complex as a Photoactivatable Tool for Oxidation of Amyloidogenic Peptides with Subsequent Modulation of Peptide Aggregation. Chemistry - A European Journal, 2017, 23, 1645-1653.	1.7	33
80	Diverse Structural Conversion and Aggregation Pathways of AlzheimerÊ¼s Amyloid-Î² (1â€“40). ACS Nano, 2019, 13, 8766-8783.	7.3	33
81	A fluorescent and colorimetric Schiff base chemosensor for the detection of Zn2+ and Cu2+: Application in live cell imaging and colorimetric test kit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 34-43.	2.0	33
82	Mechanistic Insight into the Design of Chemical Tools to Control Multiple Pathogenic Features in Alzheimerâ€™s Disease. Accounts of Chemical Research, 2021, 54, 3930-3940.	7.6	33
83	Exploring the reactivity of flavonoid compounds with metal-associated amyloid-Î² species. Dalton Transactions, 2012, 41, 6558.	1.6	30
84	Amyloid-Î²â€“neuropeptide interactions assessed by ion mobility-mass spectrometry. Physical Chemistry Chemical Physics, 2013, 15, 8952.	1.3	30
85	Relay detection of Zn2+ and S2âˆ’ by a quinoline-based fluorescent chemosensor in aqueous media and zebrafish. Dyes and Pigments, 2019, 165, 264-272.	2.0	30
86	Hydroxylation of Aliphatic Hydrocarbons withm-Chloroperbenzoic Acid Catalyzed by Electron-Deficient Iron(III) Porphyrin Complexes. Bulletin of the Chemical Society of Japan, 1999, 72, 707-713.	2.0	29
87	Tuning Reactivity of Diphenylpropynone Derivatives with Metal-Associated Amyloid-Î² Species via Structural Modifications. Inorganic Chemistry, 2013, 52, 8121-8130.	1.9	29
88	A fluorescent chemosensor for Al3+ based on julolidine and tryptophan moieties. Tetrahedron, 2016, 72, 1998-2005.	1.0	28
89	Effects of hydroxyl group variations on a flavonoid backbone toward modulation of metal-free and metal-induced amyloid-Î² aggregation. Inorganic Chemistry Frontiers, 2016, 3, 381-392.	3.0	28
90	Synaptic Copper, Amyloid-Î², and Neurotransmitters in Alzheimerâ€™s Disease. Biochemistry, 2020, 59, 15-17.	1.2	26

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91	Multifunctional quinoline-triazole derivatives as potential modulators of amyloid-Î² peptide aggregation. Journal of Inorganic Biochemistry, 2016, 158, 131-138.	1.5	25
92	Structural and Mechanistic Insights into Development of Chemical Tools to Control Individual and Interâ€Related Pathological Features in Alzheimer's Disease. Chemistry - A European Journal, 2017, 23, 2706-2715.	1.7	25
93	Tuning Structures and Properties for Developing Novel Chemical Tools toward Distinct Pathogenic Elements in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 800-808.	1.7	25
94	Preparation of a copper-based fluorescent probe for nitric oxide and its use in mammalian cultured cells. Nature Protocols, 2007, 2, 408-415.	5.5	24
95	Mechanistic approaches for chemically modifying the coordination sphere of copperâ€"amyloid-Î² complexes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5160-5167.	3.3	24
96	Minimalistic Principles for Designing Small Molecules with Multiple Reactivities against Pathological Factors in Dementia. Journal of the American Chemical Society, 2020, 142, 8183-8193.	6.6	23
97	A multiple target chemosensor for the sequential fluorescence detection of Zn2+ and S2âˆ' and the colorimetric detection of Fe3+/2+ in aqueous media and living cells. Photochemical and Photobiological Sciences, 2019, 18, 166-176.	1.6	22
98	Multiple reactivities of flavonoids towards pathological elements in Alzheimer's disease: structureâ€"activity relationship. Chemical Science, 2020, 11, 10243-10254.	3.7	22
99	<i>In Cellulo</i> Mapping of Subcellular Localized Bilirubin. ACS Chemical Biology, 2016, 11, 2177-2185.	1.6	21
100	The Reaction of a Highâ€Valent Nonheme Oxoiron(IV) Intermediate with Hydrogen Peroxide. Angewandte Chemie - International Edition, 2012, 51, 5376-5380.	7.2	20
101	Chemical strategies to modify amyloidogenic peptides using iridium(<scp>iii</scp>) complexes: coordination and photo-induced oxidation. Chemical Science, 2019, 10, 6855-6862.	3.7	20
102	Circularly Polarized Light Can Override and Amplify Asymmetry in Supramolecular Helices. Journal of the American Chemical Society, 2022, 144, 2657-2666.	6.6	20
103	Fluorescence-based Nitric Oxide Detection. , 2005, , 163-188.		19
104	Importance of the Dimethylamino Functionality on a Multifunctional Framework for Regulating Metals, Amyloid-Î², and Oxidative Stress in Alzheimerâ€™s Disease. Inorganic Chemistry, 2016, 55, 5000-5013.	1.9	19
105	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. Inorganic Chemistry, 2020, 59, 17573-17582.	1.9	19
106	A thiourea-based fluorescent chemosensor for bioimaging hypochlorite. Journal of Industrial and Engineering Chemistry, 2020, 89, 436-441.	2.9	19
107	Orobol: An Isoflavone Exhibiting Regulatory Multifunctionality against Four Pathological Features of Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2019, 10, 3386-3390.	1.7	18
108	A Novel Thiophene-Based Fluorescent Chemosensor for the Detection of Zn2+ and CNâˆ': Imaging Applications in Live Cells and Zebrafish. Sensors, 2019, 19, 5458.	2.1	18

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109	DNA Strand Cleavage near a CC Mismatch Directed by a Metalloinsertor. Inorganic Chemistry, 2007, 46, 9528-9530.	1.9	17
110	Identification of multifunctional small molecule-based reversible monoamine oxidase inhibitors. MedChemComm, 2011, 2, 1099.	3.5	17
111	Characterization of pyridinylimine and pyridinylmethylamine derivatives and their corresponding metal complexes. Inorganica Chimica Acta, 2012, 380, 261-268.	1.2	17
112	Metals in Biology: From Metallomics to Trafficking. Inorganic Chemistry, 2019, 58, 13505-13508.	1.9	17
113	A rhodanine-based fluorescent chemosensor for sensing Zn2+ and Cd2+: Applications to water sample and cell imaging. Inorganica Chimica Acta, 2020, 513, 119936.	1.2	17
114	Abnormal metal levels in the primary visual pathway of the DBA/2J mouse model of glaucoma. BioMetals, 2014, 27, 1291-1301.	1.8	16
115	Biophysical insights into the membrane interaction of the core amyloid-forming AÎ²₄₀fragment K16â€“K28 and its role in the pathogenesis of Alzheimer's disease. Physical Chemistry Chemical Physics, 2016, 18, 16890-16901.	1.3	16
116	Strategic Design of 2,2â€²-Bipyridine Derivatives to Modulate Metalâ€“Amyloid-Î² Aggregation. Inorganic Chemistry, 2017, 56, 6695-6705.	1.9	16
117	Chelation-induced diradical formation as an approach to modulation of the amyloid-Î² aggregation pathway. Chemical Science, 2015, 6, 1018-1026.	3.7	15
118	A zinc fluorescent sensor used to detect mercury (II) and hydrosulfide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 203-211.	2.0	14
119	Intertwined Pathologies of Amyloid-Î² and Metal Ions in Alzheimerâ€™s Disease: Metalâ€“Amyloid-Î². Chemistry Letters, 2019, 48, 951-960.	0.7	14
120	A multi-functional picolinohydrazide-based chemosensor for colorimetric detection of iron and dual responsive detection of hypochlorite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 245, 118899.	2.0	14
121	Minor Structural Variations of Small Molecules Tune Regulatory Activities toward Pathological Factors in Alzheimer's Disease. ChemMedChem, 2017, 12, 1828-1838.	1.6	13
122	Monitoring metalâ€“amyloid-Î² complexation by a FRET-based probe: design, detection, and inhibitor screening. Chemical Science, 2019, 10, 1000-1007.	3.7	13
123	A dual-response sensor based on NBD for the highly selective determination of sulfide in living cells and zebrafish. New Journal of Chemistry, 2019, 43, 4029-4035.	1.4	13
124	Key Physicochemical and Biological Factors of the Phase Behavior of Tau. CheM, 2020, 6, 2924-2963.	5.8	13
125	Metal ions and degenerative diseases. Journal of Biological Inorganic Chemistry, 2019, 24, 1137-1139.	1.1	12
126	Temperature effect on the epoxidation of olefins by an iron(iii) porphyrin complex and tert-alkyl hydroperoxides. Chemical Communications, 2000, , 1787-1788.	2.2	10

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127	Stereochemistry of metal tetramethylcyclam complexes directed by an unexpected anion effect. Dalton Transactions, 2017, 46, 13166-13170.	1.6	10
128	Calprotectin influences the aggregation of metal-free and metal-bound amyloid-Î² by direct interaction. Metallomics, 2018, 10, 1116-1127.	1.0	10
129	A near-infrared fluorescent probe for amyloid-Î² aggregates. Dyes and Pigments, 2019, 162, 97-103.	2.0	10
130	Reactivities of cyclam derivatives with metalâ€“amyloid-Î². Inorganic Chemistry Frontiers, 2020, 7, 4222-4238.	3.0	10
131	Complexation of <i>C</i>-Functionalized Cyclams with Copper(II) and Zinc(II): Similarities and Changes When Compared to Parent Cyclam Analogues. Inorganic Chemistry, 2021, 60, 10857-10872.	1.9	10
132	Reactivity of Flavonoids Containing a Catechol or Pyrogallol Moiety with Metalâ€Free and Metalâ€Associated Amyloidâ€Î². Bulletin of the Korean Chemical Society, 2021, 42, 17-24.	1.0	10
133	Impact of sphingosine and acetylsphingosines on the aggregation and toxicity of metal-free and metal-treated amyloid-Î². Chemical Science, 2021, 12, 2456-2466.	3.7	9
134	Ratiometric fluorescence In3+ sensing via In3+-triggered tautomerization: Its applications to water samples, live cells and zebrafish. Dyes and Pigments, 2020, 183, 108704.	2.0	8
135	A Glycosylated Prodrug to Attenuate Neuroinflammation and Improve Cognitive Deficits in Alzheimerâ€™s Disease Transgenic Mice. Molecular Pharmaceutics, 2021, 18, 101-112.	2.3	8
136	Redox Properties of Small Molecules Essential for Multiple Reactivities with Pathological Factors in Alzheimer's Disease. Bulletin of the Korean Chemical Society, 2021, 42, 1272-1280.	1.0	8
137	Methyl Yellow: A Potential Drug Scaffold for Parkinson's Disease. ChemBioChem, 2014, 15, 1591-1598.	1.3	7
138	Molecular medicine and neurodegenerative diseases. Chemical Society Reviews, 2014, 43, 6668-6671.	18.7	7
139	Genetically Encodable Bacterial Flavin Transferase for Fluorogenic Protein Modification in Mammalian Cells. ACS Synthetic Biology, 2017, 6, 667-677.	1.9	7
140	Tailoring Hydrophobic Interactions between Probes and Amyloid-Î² Peptides for Fluorescent Monitoring of Amyloid-Î² Aggregation. ACS Omega, 2018, 3, 5141-5154.	1.6	7
141	Conformational and functional changes of the native neuropeptide somatostatin occur in the presence of copper and amyloid-Î². Nature Chemistry, 2022, 14, 1021-1030.	6.6	7
142	Detection of Zinc(II) by a Fluorescence Chemosensor Based on Benzofuran in Aqueous Media and Live Cells. Bulletin of the Korean Chemical Society, 2018, 39, 1373-1379.	1.0	6
143	Tunable regulatory activities of 1,10-phenanthroline derivatives towards acid sphingomyelinase and Zn(<scp>ii</scp>)â€“amyloid-Î². Chemical Communications, 2019, 55, 5847-5850.	2.2	5
144	Drug repurposing: small molecules against Cu(II)â€“amyloid-Î² and free radicals. Journal of Inorganic Biochemistry, 2021, 224, 111592.	1.5	5

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145	Copper(<scp>ii</scp>) and zinc(<scp>ii</scp>) complexation with <i>N</i>-ethylene hydroxycyclams and consequences on the macrocyclic backbone configuration. Dalton Transactions, 0, , .	1.6	5
146	Medicinal inorganic chemistry: a web themed issue. Chemical Communications, 2013, 49, 5910.	2.2	3
147	Advanced Electron Paramagnetic Resonance Studies of a Ternary Complex of Copper, Amyloid-Î², and a Chemical Regulator. Inorganic Chemistry, 2018, 57, 12665-12670.	1.9	3
148	Methoxy[meso-5,10,15,20-tetrakis(2,6-difluorophenyl)porphyrinato]iron(III), [Fe(TDFPP)(OCH3)]. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 556-557.	0.4	2
149	The central role of the d-block metals in the periodic table. Dalton Transactions, 2019, 48, 9405-9407.	1.6	2
150	Mechanistic insight into hydroxamate transfer reaction mimicking the inhibition of zinc-containing enzymes. Chemical Science, 2020, 11, 9017-9021.	3.7	2
151	Distinct impact of glycation towards the aggregation and toxicity of murine and human amyloid-Î². Chemical Communications, 2021, 57, 7637-7640.	2.2	2
152	Dual Effects of Presynaptic Membrane Mimetics on Î±-Synuclein Amyloid Aggregation. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2
153	Synthesis of Isomerically Pure Carboxylate- and Sulfonate-Substituted Xanthene Fluorophores.. ChemInform, 2005, 36, no.	0.1	0
154	Editorial overview: Bioinorganic chemistry: Bioinorganic catalysis for renewable energy. Current Opinion in Chemical Biology, 2015, 25, vii-viii.	2.8	0
155	Metalloneurochemistry. , 2021, , 994-1015.		0
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