

Hee-Seung Lee

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

550
citations

687363

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713466

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842
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of "Turn-on" Fluorescent Sensors for Mercury(II) in Solution and Its Implications for Ligand Design. <i>Inorganic Chemistry</i> , 2012, 51, 10904-10915.	4.0	113
2	Role of Fluorophore-Metal Interaction in Photoinduced Electron Transfer (PET) Sensors: Time-Dependent Density Functional Theory (TDDFT) Study. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13345-13355.	2.5	59
3	Molecular Dynamics Studies of Transportan 10 (Tp10) Interacting with a POPC Lipid Bilayer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1188-1198.	2.6	52
4	Unusual Metal Ion Selectivities of the Highly Preorganized Tetradentate Ligand 1,10-Phenanthroline-2,9-dicarboxamide: A Thermodynamic and Fluorescence Study. <i>Inorganic Chemistry</i> , 2011, 50, 8348-8355.	4.0	46
5	Mechanism of chelation enhanced fluorescence in complexes of cadmium(ii), and a possible new type of anion sensor. <i>Chemical Communications</i> , 2013, 49, 9749.	4.1	45
6	The Effect of π -Contacts between Metal Ions and Fluorophores on the Fluorescence of PET Sensors: Implications for Sensor Design for Cations and Anions. <i>Inorganic Chemistry</i> , 2014, 53, 9014-9026.	4.0	38
7	Selectivity of the Highly Preorganized Tetradentate Ligand 2,9-Di(pyrid-2-yl)-1,10-phenanthroline for Metal Ions in Aqueous Solution, Including Lanthanide(III) Ions and the Uranyl(VI) Cation. <i>Inorganic Chemistry</i> , 2013, 52, 15-27.	4.0	33
8	Spectroscopic, structural, and thermodynamic aspects of the stereochemically active lone pair on lead(II): Structure of the lead(II) dota complex. <i>Polyhedron</i> , 2015, 91, 120-127.	2.2	31
9	Peptides with the Same Composition, Hydrophobicity, and Hydrophobic Moment Bind to Phospholipid Bilayers with Different Affinities. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12462-12470.	2.6	24
10	Effects of anion coordination on the fluorescence of a photo-induced electron transfer (PET) sensor complexed with metal ions. <i>Polyhedron</i> , 2017, 130, 47-57.	2.2	17
11	Strategies for a fluorescent sensor with receptor and fluorophore designed for the recognition of heavy metal ions. <i>Inorganica Chimica Acta</i> , 2020, 499, 119181.	2.4	14
12	First principles studies of the electronic properties and catalytic activity of single-walled carbon nanotube doped with Pt clusters and chains. <i>Chemical Physics</i> , 2012, 393, 96-106.	1.9	13
13	Fluorescence and Metal-Binding Properties of the Highly Preorganized Tetradentate Ligand 2,2'-Bi-1,10-phenanthroline and Its Remarkable Affinity for Cadmium(II). <i>Inorganic Chemistry</i> , 2020, 59, 13117-13127.	4.0	13
14	Evidence for Participation of 4f and 5d Orbitals in Lanthanide Metal-Ligand Bonding and That Y(III) Has Less of This Complex-Stabilizing Ability. A Thermodynamic, Spectroscopic, and DFT Study of Their Complexation by the Nitrogen Donor Ligand TPEN. <i>Inorganic Chemistry</i> , 2022, 61, 4627-4638.	4.0	11
15	Exciplex Formation and Aggregation Induced Emission in Di(<i>N</i> -benzyl)cyclen and Its Complexes "Selective Fluorescence with Lead(II), and as the Cadmium(II) Complex, with the Chloride Ion. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3736-3747.	2.0	9
16	Indole-based fluorescence sensors for both cations and anions. <i>Inorganica Chimica Acta</i> , 2018, 482, 478-490.	2.4	8
17	Exciplex formation as an approach to selective Copper(II) fluorescent sensors. <i>Inorganica Chimica Acta</i> , 2020, 506, 119544.	2.4	6
18	Mono-N-benzyl cyclen: A highly selective, multi-functional "turn-on" fluorescence sensor for Pb ²⁺ , Hg ²⁺ and Zn ²⁺ . <i>Polyhedron</i> , 2020, 179, 114366.	2.2	6

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19	Coarse-grained simulations of hemolytic peptide $\hat{\epsilon}$ -lysin interacting with a POPC bilayer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 3182-3194.	2.6	5
20	Molecular Dynamics Simulations of Hemolytic Peptide $\hat{\epsilon}$ -Lysin Interacting with a POPC Lipid Bilayer. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 783-792.	1.9	4
21	A study of the complexes of Hg(II) with polypyridyl ligands by Fluorescence, absorbance Spectroscopy, and DFT calculations. The effect of ligand preorganization and relativistic effects on complex stability. <i>Inorganica Chimica Acta</i> , 2022, 530, 120670.	2.4	3