

Hee-Joon Kim

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hexacoordinated Sn(IV) porphyrin-based square-grid frameworks exhibiting selective uptake of CO ₂ over N ₂ . Bulletin of the Korean Chemical Society, 2022, 43, 103-109.	1.9	18
2	Coordination framework materials fabricated by the self-assembly of Sn(IV) porphyrins with Ag(I) ions for the photocatalytic degradation of organic dyes in wastewater. Inorganic Chemistry Frontiers, 2022, 9, 1270-1280.	6.0	21
3	Selective Homocysteine Assay with Cucurbit[7]uril by pH Regulation. Journal of Microbiology and Biotechnology, 2022, 32, 1-10.	2.1	0
4	Three Isomeric Zn(II)-Sn(IV)-Zn(II) Porphyrin-Triad-Based Supramolecular Nanoarchitectures for the Morphology-Dependent Photocatalytic Degradation of Methyl Orange. ACS Omega, 2022, 7, 9775-9784.	3.5	16
5	Photocatalytic Hydrogen Production by the Sensitization of Sn(IV)-Porphyrin Embedded in a Nafion Matrix Coated on TiO ₂ . Molecules, 2022, 27, 3770.	3.8	6
6	Self-Assembled Nanomaterials Based on Complementary Sn(IV) and Zn(II)-Porphyrins, and Their Photocatalytic Degradation for Rhodamine B Dye. Molecules, 2021, 26, 3598.	3.8	20
7	Spectrophotometric Study of Bridging N-Donor Ligand-Induced Supramolecular Assembly of Conjugated Zn-Trisporphyrin with a Triphenylamine Core. Molecules, 2021, 26, 4771.	3.8	9
8	Supramolecular Porphyrin Nanostructures Based on Coordination-Driven Self-Assembly and Their Visible Light Catalytic Degradation of Methylene Blue Dye. Nanomaterials, 2020, 10, 2314.	4.1	27
9	Fluorescent chemosensing for aromatic compounds by a supramolecular complex composed of tin(IV) porphyrin, viologen, and cucurbit[8]uril. Chemical Communications, 2019, 55, 10575-10578.	4.1	26
10	Photoinduced electron transfer upon supramolecular complexation of (porphyrinato) Sn-viologen with cucurbit[7]uril. Photochemical and Photobiological Sciences, 2019, 18, 1996-2002.	2.9	16
11	Supramolecular complexation of homocysteine and cysteine with cucurbit[7]uril. Supramolecular Chemistry, 2019, 31, 369-376.	1.2	4
12	Assembly and X-ray crystal structures of heterometallic multiporphyrins with complementary coordination between ruthenium(II) and tin(IV) porphyrins. Inorganica Chimica Acta, 2019, 488, 1-7.	2.4	19
13	Simple and Novel Assay of the Host-Guest Complexation of Homocysteine with Cucurbit[7]uril. Journal of Microbiology and Biotechnology, 2019, 29, 114-126.	2.1	5
14	Crystal structure of bis(benzoato- η^{O})[5,15-diphenyl-10,20-bis(pyridin-4-yl)porphyrinato- η^{N}_4]tin(IV). IUCrData, 2019, 4, .	0.3	8
15	Supramolecular Complexation between Porphyrin-Viologen Dyad and Cucurbit[7]uril. ChemistrySelect, 2018, 3, 256-261.	1.5	11
16	Crystal structure of $\{(E)-2-[(3,4\text{-dimethoxyphenylimino)methyl]phenolato-}\eta^{\text{O}}_2\}[\text{bis}[(2\text{-pyridin-2-yl)phenyl-}\eta^{\text{N}}_2] \text{C}_1\text{N}] \text{iridium(III) dichloromethane disolvate}$. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1107-1110.	0.5	0
17	Crystal structure of $\{(E)-2-[(\text{phenylimino)methyl]phenolato-}\eta^{\text{N},\text{O}}\}[\text{bis}[(2\text{-pyridin-2-yl)phenyl-}\eta^{\text{N}}_2\text{C}_1\text{N}] \text{iridium(III) dichloromethane monosolvate}$. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 838-840.	0.5	1
18	Self-assembly of uncharged amphiphilic porphyrins and incorporation of C ₆₀ fullerenes in water. Supramolecular Chemistry, 2016, 28, 634-639.	1.2	3

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19	Supramolecular Assembly of Tin(IV) Porphyrin Cations Stabilized by Ionic Hydrogen-Bonding Interactions. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2348-2351.	1.9	8
20	Ionic assembled hybrid nanoparticle consisting of tin(IV) porphyrin cations and polyoxomolybdate anions, and photocatalytic hydrogen production by its visible light sensitization. <i>Inorganic Chemistry Communication</i> , 2015, 60, 8-11.	3.9	25
21	Bis(methanesulfonato- λ^5 O)(5,10,15,20-tetraphenylporphyrinato- λ^4 N,N,N',N')tin(IV) chloroform trisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m626-m626.	0.2	2
22	Facile C-C bond cleavage of β^2 -diketones by tin(IV) porphyrin complex. <i>Tetrahedron Letters</i> , 2012, 53, 6456-6459.	1.4	6
23	Synthesis and Crystal Structure of 5,15-Bis(3,5-di- <i>tert</i> -butylphenyl)-10-(phenylethynyl)-20-(trimethylsilylethynyl)porphyrin. <i>X-ray Structure Analysis Online</i> , 2010, 26, 23-24.	0.2	0
24	Photoinduced Electron Transfer in Ruthenium(II)/Tin(IV) Multiporphyrin Arrays. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14273-14282.	2.6	26
25	Dibenzyl 3,3'-diethyl-4,4'-dimethyl-2,2'-methylenebis(pyrrole-5-carboxylate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o566-o566.	0.2	1
26	The first tin(IV) porphyrin complex with chiral amino acid ligands: synthesis, characterization and X-ray crystal structure of <i>trans</i> -bis(L-prolinato)[5,10,15,20-tetrakis-(4-pyridyl)porphyrinato]tin(IV). <i>Journal of Porphyrins and Phthalocyanines</i> , 2009, 13, 805-810.	0.8	9
27	Octupolar trisporphyrin conjugates exhibiting strong two-photon absorption. <i>Tetrahedron</i> , 2008, 64, 2733-2739.	1.9	22
28	Visible Light Photocatalysts Based on Homogeneous and Heterogenized Tin Porphyrins. <i>Journal of Physical Chemistry C</i> , 2008, 112, 491-499.	3.1	72
29	Electrochemically Controllable Reversible Formation of Cucurbit[8]uril-Stabilized Charge-Transfer Complex on Surface. <i>Supramolecular Chemistry</i> , 2008, 20, 149-155.	1.2	24
30	Photoregulated Fluorescence Switching in Axially Coordinated Tin(IV) Porphyrinic Dithienylethene. <i>Inorganic Chemistry</i> , 2008, 47, 2411-2415.	4.0	72
31	Supramolecular functionalization of single-walled carbon nanotubes with uncharged water-soluble porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 109-115.	0.8	8
32	Synthesis of Sn-Porphyrin-Intercalated Trititanate Nanofibers: Optoelectronic Properties and Photocatalytic Activities. <i>Chemistry of Materials</i> , 2007, 19, 1984-1991.	6.7	69
33	Synthesis, X-ray crystal structure, and electrochemistry of <i>trans</i> -bis(ferrocenecarboxylato)(tetraphenylporphyrinato)tin(IV). <i>Polyhedron</i> , 2007, 26, 2517-2522.	2.2	28
34	Conformations and Electronic Structures of Axially Coordinated Fullerene-Porphyrin-Fullerene Triad (C ₆₀ CHCOO) ₂ -Sn(IV) Porphyrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5337-5342.	2.6	16
35	Preparation and barrier property of poly(ethylene terephthalate)/clay nanocomposite using clay-supported catalyst. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4875-4879.	2.6	90
36	Crystal Structure of 5,10,15,20-Tetrakis{[4-(allyloxy)phenyl]-porphyrinato}zinc(II). <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X135-X136.	0.1	0

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37	Supramolecular self-assembly of tin(IV) porphyrin channels stabilizing single-file chains of water molecules. <i>CrystEngComm</i> , 2005, 7, 417.	2.6	60
38	Novel fullerene- π -porphyrin- π -fullerene triad linked by metal axial coordination: Synthesis, X-ray crystal structure, and spectroscopic characterizations of trans-bis([60]fullerenoacetato)tin(IV) porphyrin. <i>Chemical Communications</i> , 2004, , 2594-2595.	4.1	62
39	Cucurbituril Homologues and Derivatives: New Opportunities in Supramolecular Chemistry. <i>Accounts of Chemical Research</i> , 2003, 36, 621-630.	15.6	1,740
40	Construction of a Square-wave-shaped One-dimensional Polyrotaxane Using a Preorganized L-shaped Pseudorotaxane. <i>Supramolecular Chemistry</i> , 2002, 14, 153-158.	1.2	20
41	Inclusion of methylviologen in cucurbit[7]uril. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5007-5011.	7.1	301
42	Control of the stoichiometry in host-guest complexation by redox chemistry of guests: Inclusion of methylviologen in cucurbit[8]uril. <i>Chemical Communications</i> , 2002, , 1828-1829.	4.1	294
43	Novel dendron-stabilized gold nanoparticles with high stability and narrow size distribution. <i>Chemical Communications</i> , 2001, , 667-668.	4.1	68
44	A facile, stereoselective [2 + 2] photoreaction mediated by cucurbit[8]uril. <i>Chemical Communications</i> , 2001, , 1938-1939.	4.1	215
45	Selective Inclusion of a Hetero-Guest Pair in a Molecular Host: Formation of Stable Charge-Transfer Complexes in Cucurbit[8]uril. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1526-1529.	13.8	417
46	Assembly of Dynamic Heterometallic Oligoporphyrins Using Cooperative Zinc-Nitrogen, Ruthenium-Nitrogen, and Tin-Oxygen Coordination. <i>Journal of the American Chemical Society</i> , 1999, 121, 8120-8121.	13.7	86