

Hong-Seok Kim

List of Publications by Year in descending order

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76
papers

1,920
citations

201674

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289244

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76
all docs

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docs citations

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times ranked

1679
citing authors

#	ARTICLE	IF	CITATIONS
1	Al ³⁺ -Morpholine-appended Anthracene Ensemble as a Dual Photonic Switch for H ₂ PO ₄ ⁻ and CN ⁻ Ions and its Biological Applications. Bulletin of the Korean Chemical Society, 2019, 40, 138-145.	1.9	10
2	Highly Selective Fluorescent Probe Based on 2-(2-Dansylamidophenyl)thiazole for Sequential Sensing of Copper(II) and Iodide Ions. Bulletin of the Korean Chemical Society, 2019, 40, 163-168.	1.9	19
3	Highly selective fluorescent probe for switch-on Al ³⁺ detection and switch-off F ⁻ detection. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 312-320.	3.9	52
4	Selective Detection of 2,4,6-Trinitrophenol Based on <i>In Situ</i> -Generated Fluorescent Zn ²⁺ -Anthracene Ensembles in 80% Aqueous Dimethyl Sulfoxide. Bulletin of the Korean Chemical Society, 2018, 39, 14-23.	1.9	9
5	Selective discrimination of putrescine and cadaverine based on a Fe ³⁺ -morpholinoanthracene ensemble in solution and solid state and logic gate aided biological applications in mixed aqueous medium. Sensors and Actuators B: Chemical, 2018, 254, 842-854.	7.8	15
6	Electronically-tuned 2-(2-Hydroxyphenyl)pyrenylthiazole through Bond Energy Transfer Donor-Acceptor Couples: Sensing and Biological Applications. Bulletin of the Korean Chemical Society, 2018, 39, 1420-1431.	1.9	3
7	A simple and robust PET-based anthracene-appended O-N-O chelate for sequential recognition of Fe ³⁺ /CN ⁻ ions in aqueous media and its multimodal applications. Inorganica Chimica Acta, 2018, 482, 669-680.	2.4	13
8	A new fluorogenic sensing platform for salicylic acid derivatives based on π - π and NH- π interactions between electron-deficient and electron-rich aromatics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 151-159.	3.9	17
9	Highly selective imidazole-appended 9,10-N,N'-diaminomethylantracene fluorescent probe for switch-on Zn ²⁺ detection and switch-off H ₂ PO ₄ ⁻ and CN ⁻ detection in 80% aqueous DMSO, and applications to sequential logic gate operations. Sensors and Actuators B: Chemical, 2017, 247, 840-849.	7.8	46
10	Highly selective fluorescent probe for sequential recognition of copper(II) and iodide ions. Tetrahedron, 2017, 73, 4684-4691.	1.9	50
11	Fluorescent probe for sequential recognition of Ga ³⁺ and pyrophosphate anions. Sensors and Actuators B: Chemical, 2017, 241, 789-799.	7.8	54
12	Sensitive and selective fluorescence OFF-ON-OFF sensor for cascade detection of Ga ³⁺ cation and I ⁻ anion based on pyrenesulfonamide-functionalized inorganic/organic hybrid nanoparticles. Sensors and Actuators B: Chemical, 2017, 239, 85-93.	7.8	24
13	A Facile Method for Detection of Substituted Salicylic Acids Using Pyrenesulfonamide-Terminated Self-Assembled Monolayers on Silicon Oxide Surfaces. Bulletin of the Korean Chemical Society, 2016, 37, 748-751.	1.9	0
14	Selective fluorescence sensing of 3,5-dinitrosalicylic acid based on pyrenesulfonamide-functionalized inorganic/organic hybrid nanoparticles. Journal of Industrial and Engineering Chemistry, 2016, 44, 82-89.	5.8	12
15	Fluorescence sensor for sequential detection of zinc and phosphate ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 87-94.	3.9	58
16	Fluorescein-N-Methylimidazole Conjugate as Cu ²⁺ Sensor in Mixed Aqueous Media Through Electron Transfer. Journal of Fluorescence, 2016, 26, 1-9.	2.5	23
17	Pyrene-appended imidazolium probe for 2,4,6-trinitrophenol in water. Sensors and Actuators B: Chemical, 2016, 231, 293-301.	7.8	67
18	Pyrenebutylamidopropylimidazole as a multi-analyte sensor for 3,5-dinitrosalicylic acid and Hg ²⁺ ions. Journal of Luminescence, 2016, 172, 309-316.	3.1	21

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19	A pyrenesulfonyl-imidazolium derivative as a selective cyanide ion sensor in aqueous media. <i>New Journal of Chemistry</i> , 2015, 39, 2935-2942.	2.8	41
20	Pyrene-appended imidazolium probes as 3,5-dinitrosalicylic acid sensors in 10% aqueous media. <i>Dyes and Pigments</i> , 2015, 122, 351-358.	3.7	23
21	N-(3-Imidazolyl)propyl dansylamide as a selective Hg ²⁺ sensor in aqueous media through electron transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 148, 250-254.	3.9	22
22	Selective fluorescence sensing of salicylic acids using a simple pyrenesulfonamide receptor. <i>RSC Advances</i> , 2015, 5, 23613-23621.	3.6	21
23	9-N-Alkylaminomethylanthracene probes for selective fluorescence sensing of pentafluorophenol. <i>RSC Advances</i> , 2015, 5, 81808-81816.	3.6	20
24	9-Anthracenecarboxamide fluorescent probes for selective discrimination of picric acid from mono- and di-nitrophenols in ethanol. <i>Tetrahedron Letters</i> , 2015, 56, 7094-7099.	1.4	31
25	Voltammetric ion-channel sensing of ammonium ion using self-assembled monolayers modified with ionophoric receptors. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 1026-1034.	7.8	12
26	A fluorescent chemosensor for sequential recognition of gallium and hydrogen sulfate ions based on a new phenylthiazole derivative. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 430-434.	7.8	70
27	Selective fluorescence sensing of salicylic acid using a simple pyrene appended imidazole receptor. <i>New Journal of Chemistry</i> , 2014, 38, 1711.	2.8	21
28	Electrochemical discrimination of phthalic acid among three phthalic acid isomers based on an N-butylaminomethyl-ferrocene derivative. <i>Chemical Communications</i> , 2014, 50, 7670.	4.1	18
29	Stereoselective synthesis of 3,7-diarylaminocholestanes by titanium-mediated reductive amination. <i>Steroids</i> , 2014, 88, 53-59.	1.8	0
30	N-cholesteryl amino acid conjugates and their antimicrobial activities. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 208-214.	4.0	4
31	New regioisomeric naphthol-thiazole based "turn-on" fluorescent chemosensor for Al ³⁺ . <i>Tetrahedron</i> , 2013, 69, 9600-9608.	1.9	34
32	Carbazole incorporated ratiometric chemosensor for Zn ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 273-279.	3.9	18
33	A highly selective fluorescent turn-on probe for Al ³⁺ via Al ³⁺ -promoted hydrolysis of ester. <i>Tetrahedron</i> , 2013, 69, 6095-6099.	1.9	38
34	Synthesis and antimicrobial activity of imidazole and pyridine appended cholestane-based conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4315-4318.	2.2	32
35	Molecular recognition of α -amino acids by thiazolobenzocrown receptors: a GABA-selective ionophore. <i>Supramolecular Chemistry</i> , 2013, 25, 16-23.	1.2	6
36	Fluorogenic assay of alkaline phosphatase activity based on the modulation of excited-state intramolecular proton transfer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5541-5544.	2.2	12

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37	New regioisomeric naphthol-substituted thiazole based ratiometric fluorescence sensor for Zn ²⁺ with a remarkable red shift in emission spectra. Tetrahedron, 2012, 68, 647-653.	1.9	58
38	Selective recognition of H^+ by a cholestane-imidazole-zinc ensemble. Tetrahedron Letters, 2012, 53, 2627-2631.	1.4	12
39	Ratiometric Fluorescence Sensing of Metals based on Thiazole derivatives. Rapid Communication in Photoscience, 2012, 1, 60-60.	0.1	0
40	Pyrenyl-appended imidazolium receptor for selective fluorescence sensing of oxalic acid. Tetrahedron Letters, 2011, 52, 6743-6747.	1.4	16
41	Chromogenic and fluorogenic sensing of Cu ²⁺ based on coumarin. Tetrahedron, 2011, 67, 2794-2802.	1.9	127
42	A concise synthesis and antimicrobial activities of 3-polyamino-23,24-bisnorcholanes as steroid-polyamine conjugates. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3861-3865.	2.2	11
43	Fluorescence sensing of Cu^{2+} based on coumarin. Tetrahedron, 2011, 67, 2794-2802.	1.4	38
44	TiCl(OiPr) ₃ -mediated One-pot Reductive Amination of 1,1'-Diacetylferrocene with Aryl Amines. Bulletin of the Korean Chemical Society, 2011, 32, 4079-4082.	1.9	3
45	A New Acridine-Imidazolium-Based Cholestane Receptor for Anion Sensing. Bulletin of the Korean Chemical Society, 2011, 32, 2933-2937.	1.9	9
46	Sensing of Cyanide Using Highly Selective Thiazole-based Cu ²⁺ Chemosensor. Bulletin of the Korean Chemical Society, 2011, 32, 3123-3126.	1.9	32
47	Thiazole-based chemosensor III: synthesis and fluorescence sensing of CH ₃ CO ₂ ⁻ based on inhibition of ESIPT. Tetrahedron, 2010, 66, 7097-7103.	1.9	34
48	Thiazole-based chemosensor II: synthesis and fluorescence sensing of fluoride ions based on inhibition of ESIPT. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 66, 87-94.	1.6	49
49	Thiazole sulfonamide based ratiometric fluorescent chemosensor with a large spectral shift for zinc sensing. Tetrahedron, 2010, 66, 9925-9932.	1.9	47
50	Dual-signaling fluorescent chemosensor based on bisthiazole derivatives. Tetrahedron Letters, 2010, 51, 3531-3535.	1.4	56
51	New 2-aminoethylimidazole-based dicarboxylic acid receptor derived from cholestane. Tetrahedron Letters, 2010, 51, 5954-5958.	1.4	17
52	Fluorescence Sensing Properties of Thiazolobenzo-crown Ether Incorporating Coumarin. Bulletin of the Korean Chemical Society, 2010, 31, 615-619.	1.9	4
53	Thiazole-based chemosensor: synthesis and ratiometric fluorescence sensing of zinc. Tetrahedron Letters, 2009, 50, 5510-5515.	1.4	85
54	Synthesis and biological activities of 3-polyamino-5 β -cholane-7 α ,24-diols. Journal of Industrial and Engineering Chemistry, 2009, 15, 561-565.	5.8	11

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55	Synthesis and antimicrobial activity of 7 β -amino-23,24-bisnor-5 β -cholan-22-ol derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2558-2561.	2.2	14
56	Fluorescent Sensing Properties of Benzo-18-crown-6 Ethers Containing Thiazoles. <i>Supramolecular Chemistry</i> , 2007, 19, 277-281.	1.2	16
57	Cation selectivity of ionophores based on tripodal thiazole derivatives on benzene scaffold. <i>Talanta</i> , 2007, 71, 1986-1992.	5.5	7
58	Imine Reduction and Reductive Amination. , 2007, , 161-181.		0
59	The synthesis of facial amphiphile 3 β ,7 β -diaminocholestane. <i>Tetrahedron Letters</i> , 2007, 48, 5189-5192.	1.4	17
60	Synthesis and antimicrobial activity of 7-fluoro-3-aminosteroids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5139-5142.	2.2	23
61	A highly stereoselective reductive amination of 3-ketosteroid with amines: an improved synthesis of 3 β -aminosteroid. <i>Tetrahedron Letters</i> , 2005, 46, 7675-7678.	1.4	30
62	A hydoxycholic acid-based molecular tweezer: a highly selective fluoride anion receptor. <i>Tetrahedron</i> , 2005, 61, 12366-12370.	1.9	29
63	Ion-selective electrodes based on molecular tweezer-type neutral carriers. <i>Talanta</i> , 2004, 63, 61-71.	5.5	50
64	Synthesis and Properties of 1,3,5-Tris(phenoxymethyl)-2,4,6-triethylbenzenes as NH ₄ ⁺ Ionophores. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003, 46, 201-205.	1.6	6
65	Structural Rationalization of a Highly Selective Ammonium Ionophore. <i>Crystal Growth and Design</i> , 2002, 2, 309-311.	3.0	9
66	Synthesis and antimicrobial activity of new 3 β -Hydroxy-23,24-bisnorcholeane polyamine carbamates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 3065-3068.	2.2	16
67	Synthesis and reaction of 5,6,7,8-tetrahydro-4 <i>H</i> -oxazolo[4,5- <i>c</i>]azepin-4-ones. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 89-92.	2.6	8
68	Synthesis and Evaluation of Potentiometric Properties of Pyridylthiazole Derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 40, 265-269.	1.6	1
69	Synthesis and antimicrobial activity of squalamine analogue. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 2059-2065.	3.0	51
70	Reductive Deoxygenation of β -Ferrocenyl Carbonyls and Alcohols to Alkylferrocenes by Borane-Dimethyl Sulfide. <i>Organometallics</i> , 2000, 19, 5784-5786.	2.3	14
71	Thiazole-Containing Benzo-Crown Ethers: A New Class of Ammonium-Selective Ionophores. <i>Analytical Chemistry</i> , 2000, 72, 4683-4688.	6.5	31
72	Synthesis of crown ethers containing a thiazole subcyclic unit. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 1285-1289.	2.6	8

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73	Synthesis of thiazole-containing benzo-crown ethers. <i>Journal of Heterocyclic Chemistry</i> , 1998, 35, 177-181.	2.6	14
74	Synthesis of two marine natural products: the aglycones of pavoninin-1 and 2. <i>Tetrahedron</i> , 1997, 53, 8129-8136.	1.9	15
75	Synthesis of thiazole-containing polyethers. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 1883-1886.	2.6	4
76	Synthesis of 2-substituted-4-carbomethoxythiazoles. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 937-939.	2.6	32