Takeshi Hashimoto

List of Publications by Year in Descending Order

61 papers	821 citations	15 h-index	26 g-index
64 ext. papers	909 ext. citations	3 avg, IF	3.84 L-index

#	Paper	IF	Citations
61	Ratiometric fluorescence sensing of d-allulose using an inclusion complex of β-cyclodextrin with a benzoxaborole-based probe.. *RSC Advances*, **2022**, 12, 12145-12151	3.7	0
60	Phosphate Derivative Recognition Using Polyamide Amine Dendrimer Reagent Modified by Dipicorylamine Ligand. *Bunseki Kagaku*, **2022**, 71, 167-178	0.2	
59	NMR Investigation of the Supramolecular Complex Formed by a Phenylboronic Acid-Ferrocene Electroactive Probe and Native or Derivatized β-Cyclodextrin. *International Journal of Molecular Sciences*, **2022**, 23, 6045	6.3	1
58	Electrochemical Sensing of Adenosin Triphosphate by Specific Binding to Dipicolylamine Group in Cyclodextrin Supramolecular Complex.. *ACS Applied Bio Materials*, **2021**, 4, 3041-3045	4.1	2
57	Supramolecular Zn(II)-Dipicolylamine-Azobenzene-Aminocyclodextrin-ATP Complex: Design and ATP Recognition in Water. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
56	Fast and Sensitive Bacteria Detection by Boronic Acid Modified Fluorescent Dendrimer. *Sensors*, **2021**, 21,	3.8	4
55	Effect of Spacer Length in Pyrene-Modified-Phenylboronic Acid Probe/CyD Complexes on Fluorescence-based Recognition of Monosaccharides in Aqueous Solution. *Analytical Sciences*, **2021**, 37, 721-726	1.7	1
54	Micelle-Type Sensor for Saccharide Recognition by Using Boronic Acid Fluorescence Amphiphilic Probe and Surfactants. *Solvent Extraction and Ion Exchange*, **2021**, 39, 668-677	2.5	1
53	Phosphate-sensing with (di-(2-picolyl)amino)quinazolines based on a fluorescence on-off system.. *RSC Advances*, **2020**, 10, 15299-15306	3.7	8
52	Structural effect of fluorophore on phenylboronic acid fluorophore/cyclodextrin complex for selective glucose recognition. *Frontiers of Chemical Science and Engineering*, **2020**, 14, 53-60	4.5	10
51	Electrochemical Assay for Extremely Selective Recognition of Fructose Based on 4-Ferrocene-Phenylboronic Acid Probe and β-Cyclodextrins Supramolecular Complex. *Small*, **2020**, 16, e2003359	11	7
50	Selective Sugar Recognition by Anthracene-Type Boronic Acid Fluorophore/Cyclodextrin Supramolecular Complex Under Physiological pH Condition. *Frontiers in Chemistry*, **2019**, 7, 806	5	7
49	Low-Temperature Magnetism of Gold Nano Particles Contained in Electrochemical Sugar Recognition System. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	
48	Rapid and Selective Discrimination of Gram-Positive and Gram-Negative Bacteria by Boronic Acid-Modified Poly(amidoamine) Dendrimer. *Analytical Chemistry*, **2019**, 91, 3929-3935	7.8	20
47	Development of Dipicolylamine-Modified Cyclodextrins for the Design of Selective Guest-Responsive Receptors for ATP. *Molecules*, **2018**, 23,	4.8	11
46	Metal and Phosphate Ion Recognition Using Dipicolylamine-modified Fluorescent Silica Nanoparticles. *Analytical Sciences*, **2018**, 34, 1125-1130	1.7	10
45	Design and Function of Fluorescent Silica Nanoparticles for Bacteria Detection. *Journal of Ion Exchange*, **2018**, 29, 121-125	0.2	4

44	Design of Saccharide Recognition Material Based on Boronic Acid Fluorophore/Cyclodextrin Gel. *Journal of Ion Exchange*, **2018**, 29, 126-130	0.2	3
43	Structural effects of ditopic azoprobe-cyclodextrin complexes on the selectivity of guest-induced supramolecular chirality. *Chemical Communications*, **2018**, 54, 12690-12693	5.8	2
42	Development of Supramolecular and/or Metal-Complex Analytical Reagents Possessing Ion-Exchange or Molecular Recognition Function. *Journal of Ion Exchange*, **2018**, 29, 176-187	0.2	
41	Organoruthenium(II) compounds with pyridyl benzoxazole/benzthiazole moiety: studies on DNA/protein binding and enzyme mimetic activities. *Journal of Coordination Chemistry*, **2017**, 70, 1645-1666	1.6	9
40	Design and Function of Supramolecular Recognition Systems Based on Guest-Targeting Probe-Modified Cyclodextrin Receptors for ATP. *Journal of Organic Chemistry*, **2017**, 82, 976-981	4.2	27
39	Development of Supramolecular Saccharide Sensors Based on Cyclodextrin Complexes and Self-assembling Systems. *Chemical and Pharmaceutical Bulletin*, **2017**, 65, 318-325	1.9	30
38	Staphylococcus aureusDetection by Fluorescent Silica Nanoparticles Modified with Metal□Dipicolylamine Complexes. *Chemistry Letters*, **2016**, 45, 749-751	1.7	9
37	Saccharide Recognition Based on Self-Assembly of Amphiphilic Phenylboronic Acid Azoprobes. *Langmuir*, **2016**, 32, 10761-10766	4	13
36	Photocurrent enhancement of porphyrin molecules over a wide-wavelength region based on combined use of silver nanoprisms with different aspect ratios. *Journal of Materials Chemistry C*, **2015**, 3, 11439-11448	7.1	15
35	NMR Study on the Ru-dimer System with Valence Fluctuation. *Physics Procedia*, **2015**, 75, 613-617		
34	The design of phenylboronic acid azoprobe□polyamidoamine dendrimer complexes as supramolecular sensors for saccharide recognition in water. *New Journal of Chemistry*, **2015**, 39, 2620-2626	3.6	21
33	Synthesis, characterization and crystal structure of cobalt(III) complexes containing 2-acetylpyridine thiosemicarbazones: DNA/protein interaction, radical scavenging and cytotoxic activities. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 130, 205-16	6.7	57
32	Guest-induced supramolecular chirality in a ditopic azoprobe-cyclodextrin complex in water. *Chemical Communications*, **2014**, 50, 10059-61	5.8	11
31	A novel electrochemical sugar recognition system using a ruthenium complex and phenylboronic acid assembled on gold nanoparticles. *Analytical Methods*, **2014**, 6, 8874-8877	3.2	4
30	Solvent effect on the fluorescence response of hydroxycoumarin bearing a dipicolylamine binding site to metal ions. *Analytical Sciences*, **2014**, 30, 1045-50	1.7	12
29	Effects of cyclodextrins on intramolecular photoinduced electron transfer in a boronic acid fluorophore. *Analytical Sciences*, **2014**, 30, 643-8	1.7	8
28	Design and Evaluation of Selective Recognition on Supramolecular Gel Using Soft Molecular Template Effect. *Chemistry Letters*, **2014**, 43, 228-230	1.7	10
27	Preparation of Saccharide Exchange Membrane Modified by Phenylboronic Acid Azoprobe/Polyamidoamine (PAMAM) Dendrimer. *Journal of Ion Exchange*, **2014**, 25, 146-150	0.2	5

26	Development of Supramolecular and Metal-Complex Type Analytical Reagents Possessing Sugar Recognition Function. *Journal of Ion Exchange*, **2014**, 25, 52-64	0.2	1
25	Synthesis, spectral characterization, antioxidant, anticancer in vitro, and DNA cleavage studies of a series of ruthenium(II) complexes bearing Schiff base ligands. *Journal of Coordination Chemistry*, **2013**, 66, 4052-4066	1.6	15
24	Novel binuclear palladium(II) complexes of 2-oxoquinoline-3-carbaldehyde Schiff bases: Synthesis, structure and catalytic applications. *Polyhedron*, **2012**, 34, 143-148	2.7	21
23	Glucose recognition by a supramolecular complex of boronic acid fluorophore with boronic acid-modified cyclodextrin in water. *Analytical Sciences*, **2012**, 28, 121-6	1.7	42
22	Design and Function of Novel Azoprobe Possessing Multipoint Binding Sites for Dopamine Recognition. *Bunseki Kagaku*, **2012**, 61, 213-219	0.2	4
21	Electrochemical sugar recognition using a ruthenium complex with boronic acid assembled on polyamidoamine (PAMAM) dendrimer. *Analytical Methods*, **2012**, 4, 2657	3.2	7
20	Nickel(II) complexes containing thiosemicarbazone and triphenylphosphine: Synthesis, spectroscopy, crystallography and catalytic activity. *Journal of Molecular Structure*, **2011**, 1002, 58-62	3.4	39
19	Preparation and electrochemical properties of novel cyclic dinuclear acetylacetonato ruthenium complexes doubly bridged with sulfur and/or disulfur. *Inorganica Chimica Acta*, **2011**, 373, 142-149	2.7	4
18	Structures and electrochemistry of monomeric and dimeric CpCo(dithiolene) complexes with substituted benzene-1,2-dithiolate ligand. *Inorganica Chimica Acta*, **2010**, 363, 3647-3653	2.7	9
17	Design of benzo-15-crown-5 azoprobe/β-cyclodextrin complexes for alkali metal ion recognition in water. *Arkivoc*, **2010**, 2010, 203-216	0.9	3
16	Selective glucose recognition by boronic acid azoprobe/gamma-cyclodextrin complexes in water. *Chemical Communications*, **2009**, 1709-11	5.8	63
15	Effect of cyclodextrins on saccharide sensing function of a fluorescent phenylboronic acid in water. *Analytical Sciences*, **2008**, 24, 207-12	1.7	21
14	Structural Effect of Amphiphilic Crown Ether Azoprobes on Alkali Metal Ion Recognition and Aggregation Behavior in Water. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 1589-1594	5.1	7
13	Ion-Exchange and Supramolecular Chemistry (3) Development of Molecular Recognition Based on Metal Complexes. *Journal of Ion Exchange*, **2008**, 19, 2-11	0.2	1
12	Heavy Metal Ion Sensing by N-(4-Styrylphenyl)iminodiacetic Acid Probe/Cyclodextrin Complexes in Water. *Journal of Ion Exchange*, **2007**, 18, 410-415	0.2	
11	Diffusion Coefficients of Tris(β-diketonato)ruthenium Complexes of Different Charge Numbers in Acetonitrile Solutions, Measured by Chronoamperometry. *Journal of Solution Chemistry*, **2007**, 36, 1243-1259	1.8	15
10	Different Magnetic Properties for Diastereomers of Alkoxide-bridged (β-Diketonato)ruthenium(III) Binuclear Complexes. *Chemistry Letters*, **2007**, 36, 1174-1175	1.7	8
9	Self-assembly of Amphiphilic Benzo-15-crown-5 Azoprobes in Response to Alkali Metal Ions in Water. *Chemistry Letters*, **2007**, 36, 880-881	1.7	7

8	Formation of structurally different solvated and non-solvated [Ni(PTSC)(PPh3)] (PTSC=salicylaldehyde-N-phenylthiosemicarbazide anion) crystals from single pot. *Inorganica Chimica Acta*, **2005**, 358, 2093-2096	2.7	89
7	Reactions of ketones with coordinated nitriles on β-diketonato ruthenium complexes leading to formation of compounds with new carbon–carbon bonds. *Inorganica Chimica Acta*, **2005**, 358, 2207-2216	2.7	11
6	Synthesis, characterization, and detailed electrochemistry of binuclear ruthenium(III) complexes bridged by bisacetylacetonate. Crystal and molecular structures of [[Ru(acac)2]2(tae)] (acac = 2,4-pentanedionate ion, tae = 1,1,2,2-tetraacetylethanate dianion). *Inorganic Chemistry*, **2004**, 43, 6215-23	5.1	64
5	A Novel Tetra Nuclear Ruthenium Complex Containing Deltoid Core Topology, [Ru4(μ3-O)2]8+, Incorporating Simultaneous O,O- and σC Bonded Bridging Acetylacetone Units. *Chemistry Letters*, **2004**, 33, 1422-1423	1.7	5
4	Reaction of Acetone on Coodinated Nitrile in β-Diketonato Ruthenium Complex, [Ru(acac)2(CH3CN)2] with the formation of β-Ketiminate. *Chemistry Letters*, **2003**, 32, 874-875	1.7	13
3	Synthesis, Structure, and Preliminary Magnetic Studies of a Cluster Polymer with a Hexacopper(II) Barrel Portion. *Chemistry Letters*, **2003**, 32, 202-203	1.7	7
2	Studies on Ru of [Ru(acac)3], [Ru(acac)2(CH3CN)2], [Ru(acac)2(topd-O,S], and [Ru(acac)2(β-topd-O,S,O?)] (acac = acetylacetonato and topd = 3-thioxo-2,4-pentanedione) by XPS. *Surface Science Spectra*, **2000**, 7, 101-113	1.2	5
1	Synthesis and Characterization of Sulfur-Bridged Binuclear β-Diketonatoruthenium Complexes and a Monomeric Ruthenium Complex. Crystal and Molecular Structures of Racemic and Meso Isomers of [Ru(acac)2(β-topd-O,S,O)]Ru(acac)2] (acac = Acetylacetonato and topd = 3-Thioxo-2,4-pentanedione). *Inorganic Chemistry*, **1998**, 37, 5211-5220	5.1	28