

# Hitoshi Ishida

## List of Publications by Year in descending order

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53  
papers

3,642  
citations

172457

29  
h-index

182427

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59  
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59  
docs citations

59  
times ranked

4052  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of 1,2,5-oxadiazinane Derivatives by Photochemical Cycloaddition of Nitrones with Diaminomethanes. <i>ChemPhotoChem</i> , 2020, 4, 388-392.	3.0	2
2	Editorial: Molecular Catalysts for CO <sub>2</sub> Fixation/Reduction. <i>Frontiers in Chemistry</i> , 2020, 8, 59.	3.6	8
3	Syntheses and Characterization of a Pair of Isomers of Heteroleptic Bis(Bidentate) Ruthenium(II) Complexes with Two Different Monodentate Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 16582-16590.	3.3	1
4	Reaction mechanisms of catalytic photochemical CO <sub>2</sub> reduction using Re(I) and Ru(II) complexes. <i>Coordination Chemistry Reviews</i> , 2018, 373, 333-356.	18.8	212
5	Photochemical CO <sub>2</sub> Reduction Catalyzed by <i>trans</i> -(Cl)Ru(2,2'-bipyridine)(CO) <sub>2</sub> Cl <sub>2</sub> Bearing Two Methyl Groups at 4,4', 5,5'- or 6,6'-Positions in the Ligand. <i>ChemPhotoChem</i> , 2018, 2, 314-322.	3.3	18
6	Electrochemical/Photochemical CO <sub>2</sub> Reduction Catalyzed by Transition Metal Complexes. , 2018, , .		1
7	Photocatalytic CO <sub>2</sub> Reduction by Periodic Mesoporous Organosilica (PMO) Containing Two Different Ruthenium Complexes as Photosensitizing and Catalytic Sites. <i>Chemistry - A European Journal</i> , 2017, 23, 10301-10309.	3.3	38
8	Biological approaches to artificial photosynthesis, fundamental processes and theoretical approaches: general discussion. <i>Faraday Discussions</i> , 2017, 198, 147-168.	3.2	0
9	Temperature dependence of photocatalytic CO <sub>2</sub> reduction by <i>trans</i> -(Cl)Ru(bpy)(CO) <sub>2</sub> Cl <sub>2</sub> : activation energy difference between CO and formate production. <i>Faraday Discussions</i> , 2017, 198, 263-277.	3.2	12
10	Guidelines for measurement of luminescence spectra and quantum yields of inorganic and organometallic compounds in solution and solid state (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 701-711.	1.9	55
11	<i>trans</i> -(Cl)Ru(5,5'-diamide-2,2'-bipyridine)(CO) <sub>2</sub> Cl <sub>2</sub> : Synthesis, Structure, and Photocatalytic CO <sub>2</sub> Reduction Activity. <i>Chemistry - A European Journal</i> , 2015, 21, 10049-10060.	3.3	46
12	Unexpected effect of catalyst concentration on photochemical CO <sub>2</sub> reduction by <i>trans</i> -(Cl)Ru(bpy)(CO) <sub>2</sub> Cl <sub>2</sub> : new mechanistic insight into the CO/HCOO <sup>-</sup> selectivity. <i>Chemical Science</i> , 2015, 6, 3063-3074.	7.4	103
13	Recent Trend in the Measurements of Luminescence Spectra and Quantum Yields of Metal Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2014, 64, 14-24.	0.2	1
14	Photophysical Properties of a Series of Rhenium Selenide Cluster Complexes Containing Nitrogen-Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2254-2261.	2.0	20
15	Photocatalytic CO <sub>2</sub> Reduction in <i>N,N</i> -Dimethylacetamide/Water as an Alternative Solvent System. <i>Inorganic Chemistry</i> , 2014, 53, 3326-3332.	4.0	108
16	Stereoselective Formation of Chiral Metallopeptides. <i>Chemistry - A European Journal</i> , 2012, 18, 7030-7035.	3.3	30
17	Inside Cover: Stereoselective Formation of Chiral Metallopeptides ( <i>Chem. Eur. J.</i> 23/2012). <i>Chemistry - A European Journal</i> , 2012, 18, 6990-6990.	3.3	2
18	Synthesis of ruthenium tris(2,2'-bipyridine)-type complexes tethered to peptides at 5,5'-positions. <i>Tetrahedron Letters</i> , 2012, 53, 1249-1252.	1.4	5

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19	Chain Reaction for Isomerization from trans(Cl) to cis(Cl)-Ru(bpy)(CO)2Cl2 (bpy = 2,2'-Bipyridine) Induced by NaBH4. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1167-1170.	2.0	5
20	Recent advances in instrumentation for absolute emission quantum yield measurements. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2449-2458.	18.8	297
21	Reevaluation of absolute luminescence quantum yields of standard solutions using a spectrometer with an integrating sphere and a back-thinned CCD detector. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9850.	2.8	850
22	Photophysical Properties and Excitation Polarization of mer-Ruthenium Complexes with 5'-Amino-2,2'-bipyridine-5-carboxylic Acid Derivatives. <i>Inorganic Chemistry</i> , 2006, 45, 3756-3765.	4.0	11
23	Artificial Metalloproteins with a Ruthenium Tris(bipyridyl) Complex as the Core. <i>ChemBioChem</i> , 2006, 7, 1567-1570.	2.6	25
24	An Unnatural Amino Acid Bearing Bipyridyl Backbone: Selective Formation of mer-Isomers for Iron(II) Tris-chelate Complexes. <i>Chemistry Letters</i> , 2005, 34, 1554-1555.	1.3	8
25	Molecular design of functional peptides by utilizing unnatural amino acids: Toward artificial and photofunctional protein. <i>Biopolymers</i> , 2004, 76, 69-82.	2.4	34
26	Structural and photophysical characterisation of coordination and optical isomers of mononuclear ruthenium(ii) polypyridyl 1,2,4-triazole complexes. Electronic supplementary information (ESI) available: analytical and semipreparative HPLC chromatograms, CD and UV/vis spectra. See <a href="http://www.rsc.org/suppdata/dt/b3/b301961f/">http://www.rsc.org/suppdata/dt/b3/b301961f/</a> . <i>Dalton Transactions</i> , 2003, , 2597.	3.3	33
27	Molecular Design and Synthesis of Artificial Ion Channels Based on Cyclic Peptides Containing Unnatural Amino Acids. <i>Journal of Organic Chemistry</i> , 2001, 66, 2978-2989.	3.2	65
28	Catalytic Activity of Lanthanide(III) Ions for the Dehydration of Hexose to 5-Hydroxymethyl-2-furaldehyde in Water. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 1145-1150.	3.2	125
29	Highly Efficient Catalytic Activity of Lanthanide(III) Ions for Conversion of Saccharides to 5-Hydroxymethyl-2-furfural in Organic Solvents. <i>Chemistry Letters</i> , 2000, 29, 22-23.	1.3	100
30	Artificial peptides with unnatural components designed for materializing protein function. <i>Biopolymers</i> , 2000, 55, 469-478.	2.4	8
31	The first asymmetric synthesis of chiral ruthenium tris(bipyridine) from racemic ruthenium bis(bipyridine) complexes. <i>Tetrahedron Letters</i> , 2000, 41, 2617-2620.	1.4	28
32	Novel Synthetic Routes to Several New, Differentially Substituted Ruthenium Tris(4,4'-disubstituted-2,2'-bipyridine) Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 308-316.	4.0	48
33	Diastereoselective Preparation and Characterization of Ruthenium Bis(bipyridine) Sulfoxide Complexes. <i>Inorganic Chemistry</i> , 2000, 39, 317-324.	4.0	51
34	Acid-Promoted Rearrangement of Carbonate Functionality Anchored to the Lower Rim of a Calix[4]arene Skeleton: A New Class of Chiral Calix[4]arene and Its Chiroptical Properties. <i>Organic Letters</i> , 2000, 2, 2237-2240.	4.6	29
35	Preparation and structural elucidation of novel cis ruthenium(II) bis(bipyridine) sulfoxide complexes. <i>Dalton Transactions</i> , 1999, , 3701-3709.	1.1	38
36	Structure-Function Study on a de Novo Synthetic Hydrophobic Ion Channel. <i>Biophysical Journal</i> , 1999, 76, 631-641.	0.5	34

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37	High yield preparation of a novel tetrakis[ruthenium tris(bipyridine)]calix[6]arene derivative with good diastereomeric purity. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 4089-4097.	1.8	20
38	Efficient Catalytic Hydrolysis of Disaccharides by Cerium(IV) Ion at pH 7. <i>Chemistry Letters</i> , 1997, 26, 379-380.	1.3	7
39	Synthesis and Ion Channel Formation of Novel Cyclic Peptides Containing a Non-natural Amino Acid. <i>Chemistry Letters</i> , 1997, 26, 953-954.	1.3	11
40	Catalytic activity of lanthanoide(III) ions for dehydration of d-glucose to 5-(hydroxymethyl) furfural. <i>Journal of Molecular Catalysis A</i> , 1996, 112, L163-L165.	4.8	61
41	Serine proteinases mimics: hydrolytic activity of cyclic peptides which include a non-natural amino acid. <i>Tetrahedron Letters</i> , 1995, 36, 8987-8990.	1.4	33
42	Highly Effective Binding of Phosphomonoester with Neutral Cyclic Peptides which Include a Non-natural Amino Acid. <i>Journal of Organic Chemistry</i> , 1995, 60, 5374-5375.	3.2	66
43	Interaction between CO <sub>2</sub> and Electrochemically Reduced Species of N-propyl-4,4'-bipyridinium Cation. <i>Chemistry Letters</i> , 1994, 23, 905-908.	1.3	24
44	Design of a Hybrid of Two $\alpha$ -Helix Peptides and Ruthenium Trisbipyridine Complex for Photo-induced Electron Transfer System in Bilayer Membrane. <i>Chemistry Letters</i> , 1992, 21, 1813-1816.	1.3	11
45	Catalytic and stereoselective activities of manganese achiral and chiral porphyrins in dioxygenation of tryptophan derivatives. <i>Inorganic Chemistry</i> , 1992, 31, 2682-2688.	4.0	24
46	Ligand effects of ruthenium 2,2'-bipyridine and 1,10-phenanthroline complexes on the electrochemical reduction of CO <sub>2</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 2155-2160.	1.1	114
47	Photochemical carbon dioxide reduction catalyzed by bis(2,2'-bipyridine)dicarbonylruthenium(2+) using triethanolamine and 1-benzyl-1,4-dihyronicotinamide as an electron donor. <i>Inorganic Chemistry</i> , 1990, 29, 905-911.	4.0	154
48	Photochemical CO <sub>2</sub> Reduction by an NADH Model Compound in the Presence of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> and [Ru(bpy) <sub>2</sub> (CO) <sub>2</sub> ] <sup>2+</sup> (bpy = 2,2'-bipyridine) in H <sub>2</sub> O / DMF. <i>Chemistry Letters</i> , 1988, 17, 339-342.	1.3	44
49	Photoreduction of CO <sub>2</sub> in the [Ru(bpy) <sub>2</sub> (CO) <sub>2</sub> ] <sup>2+</sup> /[Ru(bpy) <sub>3</sub> ] <sup>2+</sup> or [Ru(phen) <sub>3</sub> ] <sup>2+</sup> /Triethanolamine/N,N-Dimethylformamide System. <i>Chemistry Letters</i> , 1987, 16, 1035-1038.	1.3	42
50	Selective formation of HCOO <sup>-</sup> in the electrochemical CO <sub>2</sub> reduction catalysed by [Ru(bpy) <sub>2</sub> (CO) <sub>2</sub> ] <sup>2+</sup> (bpy = 2,2'-bipyridine). <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 131-132.	2.0	101
51	Electrochemical CO <sub>2</sub> reduction catalyzed by ruthenium complexes [Ru(bpy) <sub>2</sub> (CO) <sub>2</sub> ] <sup>2+</sup> and [Ru(bpy) <sub>2</sub> (CO)Cl] <sup>+</sup> . Effect of pH on the formation of CO and HCOO <sup>-</sup> . <i>Organometallics</i> , 1987, 6, 181-186.	2.3	308
52	Isolation of intermediates in the water gas shift reactions catalyzed by [Ru(bpy) <sub>2</sub> (CO)Cl] <sup>+</sup> and [Ru(bpy) <sub>2</sub> (CO) <sub>2</sub> ] <sup>2+</sup> . <i>Organometallics</i> , 1986, 5, 724-730.	2.3	118
53	THE ELECTROCHEMICAL REDUCTION OF CO <sub>2</sub> CATALYZED BY RUTHENIUM CARBONYL COMPLEXES. <i>Chemistry Letters</i> , 1985, 14, 405-406.	1.3	53