

Akitaka Ito

List of Publications by Year in descending order

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65
papers

1,865
citations

279701

23
h-index

265120

42
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73
all docs

73
docs citations

73
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	[Ru(bpy) ₃] ²⁺ and other remarkable metal-to-ligand charge transfer (MLCT) excited states. <i>Pure and Applied Chemistry</i> , 2013, 85, 1257-1305.	0.9	244
2	Structure-Property Relationships in Phosphonate-Derivatized, Ru ^{II} Polypyridyl Dyes on Metal Oxide Surfaces in an Aqueous Environment. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14837-14847.	1.5	156
3	The Golden Rule. Application for fun and profit in electron transfer, energy transfer, and excited-state decay. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13731.	1.3	144
4	Blue-Green Iridium(III) Emitter and Comprehensive Photophysical Elucidation of Heteroleptic Cyclometalated Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 4089-4099.	1.9	116
5	Synthetic Tuning of Redox, Spectroscopic, and Photophysical Properties of {Mo ₆ I ₈ } ⁴⁺ Core Cluster Complexes by Terminal Carboxylate Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 8437-8445.	1.9	101
6	Accumulation of Multiple Oxidative Equivalents at a Single Site by Cross-Surface Electron Transfer on TiO ₂ . <i>Journal of the American Chemical Society</i> , 2013, 135, 11587-11594.	6.6	68
7	Rapid energy transfer in non-porous metal-organic frameworks with caged Ru(bpy) ₃ ²⁺ chromophores: oxygen trapping and luminescence quenching. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14982.	5.2	62
8	The First Octahedral Cluster Complexes With Terminal Formate Ligands: Synthesis, Structure, and Properties of K ₄ [Re ₆ S ₈ (HCOO) ₆] and Cs ₄ [Re ₆ S ₈ (HCOO) ₆]. <i>Inorganic Chemistry</i> , 2009, 48, 2309-2315.	1.9	57
9	Extremely Large Dipole Moment in the Excited Singlet State of Tris{[p-(N,N-dimethylamino)phenylethynyl]duryl}borane. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9144-9150.	1.1	49
10	Excited-State Dynamics of Pentacene Derivatives with Stable Radical Substituents. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6715-6719.	7.2	44
11	A ratiometric TICT-type dual fluorescent sensor for an amino acid. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6641.	1.3	41
12	A new hexanuclear rhenium cluster complex with six terminal acetate ligands: Synthesis, structure, and properties of K ₄ [Re ₆ S ₈ (CH ₃ COO) ₆]·8H ₂ O. <i>Inorganica Chimica Acta</i> , 2010, 363, 2686-2691.	1.2	38
13	Long-Lived and Temperature-Independent Emission from a Novel Ruthenium(II) Complex Having an Arylborane Charge-Transfer Unit. <i>Inorganic Chemistry</i> , 2011, 50, 1603-1613.	1.9	38
14	Photophysical and Photoredox Characteristics of a Novel Tricarbonyl Rhenium(I) Complex Having an Arylborane-Appended Aromatic Diimine Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 7722-7732.	1.9	37
15	Soluble Reduced Graphene Oxide Sheets Grafted with Polypyridylruthenium-Derivatized Polystyrene Brushes as Light Harvesting Antenna for Photovoltaic Applications. <i>ACS Nano</i> , 2013, 7, 7992-8002.	7.3	36
16	Synthetic Control of Spectroscopic and Photophysical Properties of Triarylborane Derivatives Having Peripheral Electron-Donating Groups. <i>Chemistry - A European Journal</i> , 2014, 20, 3940-3953.	1.7	35
17	Multinuclear Ag Clusters Sandwiched by Pt Complex Units: Fluxional Behavior and Chiral Cluster Photoluminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10654-10660.	7.2	35
18	Photostability enhancement of the pentacene derivative having two nitronyl nitroxide radical substituents. <i>Chemical Communications</i> , 2016, 52, 2889-2892.	2.2	33

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19	Excited-State Dynamics in Rigid Media: Evidence for Long-Range Energy Transfer. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3428-3438.	1.2	30
20	Controlled Electropolymerization of Ruthenium(II) Vinylbipyridyl Complexes in Mesoporous Nanoparticle Films of TiO ₂ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4872-4876.	7.2	29
21	Direct Observation of a {Re ₆ (μ_4 -S) ₈ } Core-to-Ligand Charge-Transfer Excited State in an Octahedral Hexarhenium Complex. <i>Inorganic Chemistry</i> , 2011, 50, 9918-9920.	1.9	28
22	Photoluminescence Switching with Changes in the Coordination Number and Coordinating Volatile Organic Compounds in Tetracyanonitridorhenium(V) and -technetium(V) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 12065-12074.	1.9	28
23	Excited-State Characteristics of Tetracyanonitridorhenium(V) and -technetium(V) Complexes with N-Heteroaromatic Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 6319-6327.	1.9	26
24	Rigid Medium Effects on Photophysical Properties of MLCT Excited States of Polypyridyl Os(II) Complexes in Polymerized Poly(ethylene glycol)dimethacrylate Monoliths. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10326-10332.	1.1	22
25	Bright Green-phosphorescence from Metal-to-boron Charge-transfer Excited State of a Novel Cyclometalated Iridium(III) Complex. <i>Chemistry Letters</i> , 2011, 40, 34-36.	0.7	21
26	Atom Transfer Radical Polymerization Preparation and Photophysical Properties of Polypyridylruthenium Derivatized Polystyrenes. <i>Inorganic Chemistry</i> , 2013, 52, 8511-8520.	1.9	21
27	Remarkably Intense Emission from Ruthenium(II) Complexes with Multiple Borane Centers. <i>Inorganic Chemistry</i> , 2015, 54, 10287-10295.	1.9	20
28	Molecular-engineered [Ir(Fppy) ₂ (Mepic)] towards efficient blue-emission. <i>New Journal of Chemistry</i> , 2015, 39, 6367-6376.	1.4	18
29	Low-Energy and Long-Lived Emission from Polypyridyl Ruthenium(II) Complexes Having A Stable-Radical Substituent. <i>Inorganic Chemistry</i> , 2017, 56, 3794-3808.	1.9	18
30	Sensitization of ultra-long-range excited-state electron transfer by energy transfer in a polymerized film. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15132-15135.	3.3	16
31	Polypyridyl Ru(II)-derivatized polypropylacrylate polymer with a terminal water oxidation catalyst. Application of reversible addition-fragmentation chain transfer polymerization. <i>Dalton Transactions</i> , 2015, 44, 8640-8648.	1.6	14
32	Photophysical dynamics of the efficient emission and photosensitization of [Ir(pqi) ₂ (NN)] ⁺ complexes. <i>Dalton Transactions</i> , 2018, 47, 1179-1188.	1.6	14
33	U- to Z-shape isomerization in a Pt ₂ Ag ₂ framework containing pyridyl-NHC ligands. <i>Dalton Transactions</i> , 2018, 47, 7113-7117.	1.6	13
34	Synthesis and photophysical properties of butterfly-shaped dinuclear Pt(II) complex having NHC-based chelate ligands. <i>Inorganica Chimica Acta</i> , 2019, 493, 43-48.	1.2	13
35	Zero-Magnetic-Field Splitting in the Excited Triplet States of Octahedral Hexanuclear Molybdenum(II) Clusters: [Mo ₆ X ₈](n-C ₃ F ₇ COO) ₆] ²⁺ (X = Cl, Br, or I). <i>Journal of Physical Chemistry A</i> , 2017, 121, 7148-7156.	1.1	12
36	Long-range photoinduced electron transfer dynamics in rigid media. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4880.	1.3	11

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37	Excited-state Dynamics and Spin-exchange Coupling of Anthracene-Verdazyl Radical in Frozen Glass Matrix Investigated by Transient Absorption Spectroscopy. <i>Chemistry Letters</i> , 2016, 45, 1324-1326.	0.7	11
38	Emission Tuning of Heteroleptic Arylborane-Ruthenium(II) Complexes by Ancillary Ligands: Observation of Strickler-Berg-Type Relation. <i>Inorganic Chemistry</i> , 2018, 57, 9055-9066.	1.9	11
39	Controlling the Electronic Structures and Excited-State Characteristics of Dipyrrinatoiridium(III) Complexes by an Arylborane or an Arylamino Unit. <i>Inorganic Chemistry</i> , 2019, 58, 14542-14550.	1.9	11
40	Fluorescence behaviour of an anthracene-BODIPY system affected by spin states of a dioxolene-cobalt centre. <i>Dalton Transactions</i> , 2016, 45, 10165-10172.	1.6	10
41	Dual Emissions from Ruthenium(II) Complexes Having 4-Arylethynyl-1,10-phenanthroline at Low Temperature. <i>Inorganic Chemistry</i> , 2015, 54, 3245-3252.	1.9	9
42	Diimine ligand structure effects on photophysical properties of tricarbonyl rhenium(I) complexes having arylborane charge transfer units. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 313, 107-116.	2.0	9
43	Characteristic Spectroscopic and Photophysical Properties of Tricarbonyl Rhenium(I) Complexes Having Multiple Arylborane Charge Transfer Units. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 574-585.	2.0	9
44	Substrate switchable Suzuki-Miyaura coupling for benzyl ester vs. benzyl halide. <i>RSC Advances</i> , 2018, 8, 35056-35061.	1.7	9
45	Structural diversification of bola-amphiphilic glycolipid-type supramolecular hydrogelators exhibiting colour changes along with the gel-sol transition. <i>Soft Matter</i> , 2020, 16, 7274-7278.	1.2	9
46	Bright and Long-Lived Emission from a Starburst-Type Arylborane-Appended Polypyridyl Ruthenium(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3794-3798.	1.0	8
47	Anion-Capture-Induced Fluorescence Enhancement of Bis(cyanostyryl)pyrrole Based on Restricted Access to a Conical Intersection. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1807-1815.	2.0	8
48	Electrochemical and Spectroscopic Behaviors of a Novel Ruthenium(II) Complex with a Six-Membered Chelate Structure. <i>Inorganic Chemistry</i> , 2019, 58, 10436-10443.	1.9	7
49	A Heteropolynuclear Pt-Ag System Having Cycloplatinated Rollover Bipyridyl Units. <i>Inorganic Chemistry</i> , 2021, 60, 1513-1522.	1.9	7
50	Synthesis and Photoluminescence of Tetracyanonitridorhenium(V) Complexes with Five-Membered N-Heteroaromatic Ligands and Photoluminescence-Intensity Change. <i>ACS Omega</i> , 2019, 4, 21251-21259.	1.6	6
51	Multinuclear Ag Clusters Sandwiched by Pt Complex Units: Fluxional Behavior and Chiral Cluster Photoluminescence. <i>Angewandte Chemie</i> , 2021, 133, 10749-10755.	1.6	6
52	Synthesis and Self-Assembly Properties of Bola-Amphiphilic Glycosylated Lipopeptide-Type Supramolecular Hydrogels Showing Colour Changes Along with Gel-Sol Transition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1860.	1.8	4
53	Metal-Free and Selective Hydrohalogenation of Alkynes through a Pseudo-Intramolecular Process. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5747-5755.	1.2	4
54	Excited-state dynamics of luminescent transition metal complexes with metallophilic and donor-acceptor interactions. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214610.	9.5	4

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55	A Small All-in-One Photon-Counting Device for Measuring Luminescence Decays to Determine the Lifetimes of Photoexcited Materials. <i>Journal of Chemical Education</i> , 2020, 97, 300-304.	1.1	3
56	Electron-transfer behaviors between photoexcited metal complex and methyl viologen codoped in ionic nanospheres. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 401, 112771.	2.0	3
57	Impact of nanosizing a host matrix based on a metal-organic framework on solid-state fluorescence emission and energy transfer. <i>Materials Advances</i> , 2022, 3, 2011-2017.	2.6	3
58	Synthesis and intramolecular ring transformation of <i>N,N</i> -dialkylated 2,6,9-triazabicyclo[3.3.1]nonadienes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9109-9116.	1.5	2
59	Unusual ligand substitution of a metal-organic framework with distorted metal-ligand coordination. <i>CrystEngComm</i> , 2022, 24, 1690-1694.	1.3	2
60	Development of a synthetic equivalent of $\hat{I}^{\pm}, \hat{I}^{\pm}$ -dicationic acetic acid leading to unnatural amino acid derivatives <i>via</i> tetrafunctionalized methanes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2282-2292.	1.5	2
61	Dynamic emission quenching of a novel ruthenium(<i>II</i>) complex by carbon dioxide in solution. <i>RSC Advances</i> , 2012, 2, 1296-1298.	1.7	1
62	Stereoisomers of Homoleptic Dipyrrinatoplatinum(II) Complexes Having Arylborane Charge-transfer Substituents: Synthesis, Characterization and Spectroscopic Properties. <i>Chemistry Letters</i> , 2020, 49, 905-908.	0.7	1
63	Bridging-arylene effects on spectroscopic and photophysical properties of arylborane-dipyrrinato zinc(<i>II</i>) complexes. <i>RSC Advances</i> , 2021, 11, 6259-6267.	1.7	1
64	Photophysical Properties of Transition Metal Complexes under Rigid Environments. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2014, 63, 46-48.	0.1	0
65	InnenrÄ¼cktitelbild: Multinuclear Ag Clusters Sandwiched by Pt Complex Units: Fluxional Behavior and ChiralÄ¼tÄ¼ Cluster Photoluminescence (<i>Angew. Chem.</i> 19/2021). <i>Angewandte Chemie</i> , 2021, 133, 11095-11095. ^{1,6}		0