

Shin-ya Takizawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2193266/publications.pdf>

Version: 2024-02-01

49
papers

1,698
citations

304743

22
h-index

276875

41
g-index

53
all docs

53
docs citations

53
times ranked

2149
citing authors

#	ARTICLE	IF	CITATIONS
1	Photooxidation of 1,5-dihydroxynaphthalene with iridium complexes as singlet oxygen sensitizers. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 895-903.	2.9	212
2	Phosphorescent Iridium Complexes Based on 2-Phenylimidazo[1,2-a]pyridine Ligands: Tuning of Emission Color toward the Blue Region and Application to Polymer Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2007, 46, 4308-4319.	4.0	135
3	Phenylbenzimidazole-Based New Bipolar Host Materials for Efficient Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2009, 21, 2452-2458.	6.7	127
4	Photoinduced electron-transfer systems consisting of electron-donating pyrenes or anthracenes and benzimidazolines for reductive transformation of carbonyl compounds. <i>Tetrahedron</i> , 2006, 62, 6581-6588.	1.9	121
5	High-Efficiency Tris(8-Hydroxyquinoline)aluminum (Alq ₃) Complexes for Organic White-Light-Emitting Diodes and Solid-State Lighting. <i>Chemistry - A European Journal</i> , 2011, 17, 9076-9082.	3.3	88
6	Efficiency improvement of fluorescent OLEDs by tuning the working function of PEDOT:PSS using UV-ozone exposure. <i>Organic Electronics</i> , 2010, 11, 938-945.	2.6	87
7	Finely-tuned Blue-phosphorescent Iridium Complexes Based on 2-Phenylpyridine Derivatives and Application to Polymer Organic Light-emitting Device. <i>Chemistry Letters</i> , 2006, 35, 748-749.	1.3	54
8	Controlling the Excited State and Photosensitizing Property of a 2-(2-Pyridyl)benzo[b]thiophene-Based Cationic Iridium Complex through Simple Chemical Modification. <i>Inorganic Chemistry</i> , 2014, 53, 2983-2995.	4.0	50
9	Impact of Substituents on Excited-State and Photosensitizing Properties in Cationic Iridium(III) Complexes with Ligands of Coumarin 6. <i>Inorganic Chemistry</i> , 2016, 55, 8723-8735.	4.0	47
10	Cationic Iridium Complexes Coordinated with Coumarin Dyes as Sensitizers for Visible-Light-Driven Hydrogen Generation. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3975-3979.	2.0	45
11	Energy barrier, charge carrier balance, and performance improvement in organic light-emitting diodes. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	44
12	Benzimidazoline-Dimethoxypyrene. An Effective Promoter System for Photoinduced Electron Transfer Promoted Reductive Transformations of Organic Compounds. <i>Heterocycles</i> , 2009, 77, 1147.	0.7	39
13	Benzimidazolium Naphthoxide Betaine Is a Visible Light Promoted Organic Photoredox Catalyst. <i>Journal of Organic Chemistry</i> , 2018, 83, 3921-3927.	3.2	39
14	Photochemical reduction of CO ₂ with ascorbate in aqueous solution using vesicles acting as photocatalysts. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 691-702.	2.9	38
15	Dramatic efficiency improvement in phosphorescent organic light-emitting diodes with ultraviolet-ozone treated poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate). <i>Applied Physics Letters</i> , 2009, 94, .	3.3	34
16	Accurate chiral pattern recognition for amines from just a single chemosensor. <i>Chemical Science</i> , 2020, 11, 3790-3796.	7.4	34
17	Aryl-substituted dimethylbenzimidazolines as effective reductants of photoinduced electron transfer reactions. <i>Tetrahedron</i> , 2015, 71, 5494-5505.	1.9	30
18	Simplest Chemosensor Array for Phosphorylated Saccharides. <i>Analytical Chemistry</i> , 2019, 91, 15570-15576.	6.5	30

#	ARTICLE	IF	CITATIONS
19	High-purity white light from a simple single dopant host-guest white organic light-emitting diode architecture. <i>Applied Physics Letters</i> , 2008, 93, 163302.	3.3	28
20	Tris(trimethylsilyl)silane promoted radical reaction and electron-transfer reaction in benzotrifluoride. <i>Tetrahedron</i> , 2008, 64, 7724-7728.	1.9	26
21	Substituent Effects on Physical Properties and Catalytic Activities toward Water Oxidation in Mononuclear Ruthenium Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5495-5502.	2.0	25
22	Protocol for Visible-Light-Promoted Desulfonylation Reactions Utilizing Catalytic Benzimidazolium Aryloxide Betaines and Stoichiometric Hydride Donor Reagents. <i>Journal of Organic Chemistry</i> , 2020, 85, 4344-4353.	3.2	24
23	2-Hydroxyphenyl-1,3-dimethylbenzimidazolines. Formal Two Hydrogen Atom-donors for Photoinduced Electron Transfer Reactions. <i>Chemistry Letters</i> , 2004, 33, 18-19.	1.3	22
24	Visible light-promoted reductive transformations of various organic substances by using hydroxyaryl-substituted benzimidazolines and bases. <i>Tetrahedron</i> , 2016, 72, 7805-7812.	1.9	21
25	Synthesis and Characterization of Novel Iridium Complexes with Ligands of 2-Phenylimidazo[1,2-a]pyridine Derivatives and Application to Organic Light-emitting Diode. <i>Chemistry Letters</i> , 2005, 34, 1222-1223.	1.3	20
26	A photo-reagent system of benzimidazoline and Ru(bpy) ₃ Cl ₂ to promote hexenyl radical cyclization and Dowd's Beckwith ring-expansion of α -halomethyl-substituted benzocyclic 1-alkanones. <i>Tetrahedron</i> , 2014, 70, 2776-2783.	1.9	20
27	Photofunctional molecular assembly for artificial photosynthesis: Beyond a simple dye sensitization strategy. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214624.	18.8	20
28	2-Aryl-1,3-dimethylbenzimidazolines as Effective Electron and Hydrogen Donors in Photoinduced Electron-Transfer Reactions. <i>Australian Journal of Chemistry</i> , 2015, 68, 1640.	0.9	18
29	Photofunctions of iridium(III) complexes in vesicles: long-lived excited states and visible-light sensitization for hydrogen evolution in aqueous solution. <i>Dalton Transactions</i> , 2019, 48, 14914-14925.	3.3	18
30	Synthesis, characterization and electroluminescence properties of new iridium complexes based on cyclic phenylvinylpyridine derivatives: tuning of emission colour and efficiency by structural control. <i>Journal of Materials Chemistry</i> , 2007, 17, 841-849.	6.7	17
31	Hydrogen Generation Using a Photoinduced Electron-transport System with a Molecular Catalyst in Vesicles. <i>Chemistry Letters</i> , 2011, 40, 345-347.	1.3	17
32	A Water-gated Organic Thin-film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. <i>Chemistry - A European Journal</i> , 2020, 26, 14525-14529.	3.3	17
33	Amarastelline A: A Fluorescent Alkaloid from <i>Quassia amara</i> and Its Properties in Living Cells. <i>ChemPlusChem</i> , 2012, 77, 427-431.	2.8	16
34	Supramolecular Sensor for Astringent Procyanidin C1: Fluorescent Artificial Tongue for Wine Components. <i>Chemistry - A European Journal</i> , 2020, 26, 16236-16240.	3.3	16
35	Photoinduced transmembrane electron transport in DPPC vesicles: Mechanism and application to a hydrogen generation system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 113-122.	3.9	15
36	Solvent dependent photosensitized singlet oxygen production from an Ir(III) complex: pointing to problems in studies of singlet-oxygen-mediated cell death. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1831-1843.	2.9	14

#	ARTICLE	IF	CITATIONS
37	An anionic iridium(III) complex as a visible-light absorbing photosensitizer. <i>Dalton Transactions</i> , 2018, 47, 11041-11046.	3.3	14
38	Easy-to-Prepare Mini-Chemosensor Array for Simultaneous Detection of Cysteine and Glutathione Derivatives. <i>ACS Applied Bio Materials</i> , 2021, 4, 2113-2119.	4.6	14
39	Photoinduced electron-transfer reaction of α -bromomethyl-substituted benzocyclic β -keto esters with amines: selective reaction pathways depending on the nature of the amine radical cations. <i>Research on Chemical Intermediates</i> , 2013, 39, 247-267.	2.7	11
40	Phosphorescence Color Tunable Iridium Complexes with Ligands of 2-Phenylimidazo[1,2-a]Pyridine Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 455, 381-385.	0.9	10
41	Room-temperature electrophosphorescence from an all-organic material. <i>Journal of Luminescence</i> , 2016, 180, 111-116.	3.1	10
42	Triplet Excited States Modulated by Push/Pull Substituents in Monocyclometalated Iridium(III) Photosensitizers. <i>Inorganic Chemistry</i> , 2021, 60, 4891-4903.	4.0	7
43	Photochemical water oxidation system using ruthenium catalysts embedded into vesicle membranes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 321, 151-160.	3.9	6
44	A Photocatalytic System Composed of Benzimidazolium Aryloxy and Tetramethylpiperidine 1-Oxyl to Promote Desulfonylative α -Oxyamination Reactions of α -Sulfonylketones. <i>ACS Omega</i> , 2022, 7, 4655-4666.	3.5	6
45	Visible-light-driven Electron Transport across Vesicle Membrane Sensitized by Cationic Iridium Complexes. <i>Chemistry Letters</i> , 2015, 44, 563-565.	1.3	4
46	Photoinduced flavin-tryptophan electron transfer across vesicle membranes generates magnetic field sensitive radical pairs. <i>Molecular Physics</i> , 2019, 117, 2594-2603.	1.7	4
47	Synthesis and Properties of New Platinum Complexes with 2-Phenylimidazo[1,2-a]pyridine Ligands. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2008, 21, 355-356.	0.3	2
48	A Water-Gated Organic Thin-Film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. <i>Chemistry - A European Journal</i> , 2020, 26, 14506-14506.	3.3	1
49	Light-induced electron transfer/phase migration of a redox mediator for photocatalytic C-C coupling in a biphasic solution. <i>Dalton Transactions</i> , 0, , .	3.3	1