

Shigeyuki Yagi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Columnar mesophases from half-discoid platinum cyclometalated metallomesogens. <i>Journal of Materials Chemistry</i> , 2008, 18, 400-407.	6.7	85
2	Symmetric and asymmetric squarylium dyes as noncovalent protein labels: a study by fluorimetry and capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 93-105.	2.3	80
3	Towards chemosensing phosphorescent conjugated polymers: cyclometalated platinum(ii) poly(phenylene)s. <i>Journal of Materials Chemistry</i> , 2005, 15, 2829.	6.7	69
4	Diarylurea-Linked Zinc Porphyrin Dimer as a Dual-Mode Artificial Receptor: A Supramolecular Control of Complexation-Facilitated Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 4068-4069.	13.7	68
5	Interconversion between Point Chirality and Helical Chirality Driven by Shape-Sensitive Interactions. <i>Journal of the American Chemical Society</i> , 1996, 118, 5318-5319.	13.7	64
6	Helical Chirality Induction by Point Chirality at Helix Terminal. <i>Journal of the American Chemical Society</i> , 1999, 121, 754-759.	13.7	63
7	Allosteric Chirality Amplification in Zinc Bilinone Dimer. <i>Journal of the American Chemical Society</i> , 2000, 122, 748-749.	13.7	60
8	Photo- and Electroluminescence from 2-(Dibenzo[<i>b</i>], <i>d</i>]furan-4-yl)pyridine-Based Heteroleptic Cyclometalated Platinum(II) Complexes: Excimer Formation Drastically Facilitated by an Aromatic Diketonate Ancillary Ligand. <i>Journal of Physical Chemistry C</i> , 2013, 117, 532-542.	3.1	60
9	Helical Chirality Induction in Zinc Bilindiones by Amino Acid Esters and Amines. <i>Journal of Organic Chemistry</i> , 1998, 63, 8769-8784.	3.2	55
10	Squarylium Dyes and Related Compounds. <i>Topics in Heterocyclic Chemistry</i> , 2008, , 133-181.	0.2	54
11	Conformational effect of symmetrical squaraine dyes on the performance of dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1303-1309.	10.3	44
12	Linearly π -extended squaraine dyes enable the spectral response of dye-sensitized solar cells in the NIR region over 800 nm. <i>New Journal of Chemistry</i> , 2013, 37, 701-708.	2.8	43
13	Supramolecular Gel Phase Controlled [4 + 2] Diels-Alder Photocycloaddition for Electroplex Mediated White Electroluminescence. <i>Journal of the American Chemical Society</i> , 2019, 141, 5635-5639.	13.7	42
14	Synthesis of novel unsymmetrical squarylium dyes absorbing in the near-infrared region. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 599-604.	1.3	41
15	Photoluminescent properties of heteroleptic cyclometalated platinum(II) complexes bearing 1,3-bis(3,4-dibutoxyphenyl)propane-1,3-dionate as an ancillary ligand. <i>Journal of Luminescence</i> , 2010, 130, 217-221.	3.1	41
16	Intramolecular Exciton-Coupled Squaraine Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21745-21754.	3.1	40
17	Exergonic Intramolecular Singlet Fission of an Adamantane-Linked Tetracene Dyad via Twin Quintet Multiexcitons. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18813-18823.	3.1	39
18	Red Luminescent Squarylium Dyes for Noncovalent HSA Labeling. <i>Chemistry Letters</i> , 2003, 32, 804-805.	1.3	37

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19	Metallo Supramolecular Assemblies of Bis-squaraines by Allosteric Ca ²⁺ -Ion Binding. <i>Organic Letters</i> , 2007, 9, 1999-2002.	4.6	36
20	Photo- and electroluminescence from deep-red- and near-infrared-phosphorescent tris-cyclometalated iridium(III) complexes bearing largely π -extended ligands. <i>Inorganic Chemistry Communication</i> , 2013, 38, 14-19.	3.9	36
21	Pure red electrophosphorescence from polymer light-emitting diodes doped with highly emissive bis-cyclometalated iridium(III) complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1972-1978.	1.8	35
22	Synthesis and Characterization of Squaraine-Based Conjugated Polymers With Phenylene Linkers for Bulk Heterojunction Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2590-2597.	2.2	33
23	Linear tetrapyrroles as functional pigments in chemistry and biology. <i>Journal of Porphyrins and Phthalocyanines</i> , 2004, 08, 226-237.	0.8	29
24	Facile synthesis of cofacial porphyrin dimer and trimer using a diarylurea linkage. <i>Chemical Communications</i> , 2001, , 557-558.	4.1	28
25	Synthesis, structure, and complexation properties with transition metal cations of a novel methine-bridged bisquarylium dye. <i>Dyes and Pigments</i> , 2002, 52, 245-252.	3.7	28
26	Far-red absorbing squarylium dyes with terminally connected electron-accepting units for organic dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2011, 90, 275-283.	3.7	28
27	Solvent Effect on Helicity Induction of Zinc Bilinone Bearing a Chiral Auxiliary at the Helix Terminal. <i>Journal of Organic Chemistry</i> , 2001, 66, 3848-3853.	3.2	27
28	Novel bis- and tris-cyclometalated iridium(ⁱⁱⁱ) complexes bearing a benzoyl group on each fluorinated 2-phenylpyridinate ligand aimed at development of blue phosphorescent materials for OLED. <i>RSC Advances</i> , 2016, 6, 51435-51445.	3.6	27
29	Near-infrared luminescent bis-squaraine dyes linked by a thiophene or pyrene spacer for noncovalent protein labeling. <i>Synthetic Metals</i> , 2005, 153, 33-36.	3.9	25
30	Spin-Orbit Coupling Analyses of the Geometrical Effects on Phosphorescence in Ir(ppy) ₃ and Its Derivatives. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5314-5327.	3.1	21
31	Novel 10,13-disubstituted dipyrido[3,2-a:2',3'-c]phenazines and their platinum(II) complexes: highly luminescent ICT-type fluorophores based on π -A π -D structures. <i>Tetrahedron Letters</i> , 2014, 55, 5195-5198.	1.4	21
32	Synthesis and near-infrared absorption properties of linearly π -extended squarylium oligomers. <i>Dyes and Pigments</i> , 2011, 90, 211-218.	3.7	20
33	Photoluminescence color tuning of phosphorescent bis-cyclometalated iridium(III) complexes by ancillary ligand replacement. <i>Dyes and Pigments</i> , 2012, 95, 695-705.	3.7	20
34	The synthesis and optical properties of bis-squarylium dyes bearing arene and thiophene spacers. <i>Dyes and Pigments</i> , 2008, 77, 525-536.	3.7	19
35	Synthesis and light absorption/emission properties of novel bis-squaraine dyes with extensively conjugated π -electron systems. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1417-1419.	1.3	18
36	Photokinetic study on remarkable excimer phosphorescence from heteroleptic cyclometalated platinum(ⁱⁱ) complexes bearing a benzoylated 2-phenylpyridinate ligand. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 542-552.	2.8	18

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37	Catalysis of Helix Inversion of Zinc Bilindiones by Amines and Amino Acid Esters. <i>Supramolecular Chemistry</i> , 1999, 10, 297-308.	1.2	17
38	Helical chirality control in zinc bilinone dimers. <i>Chemical Communications</i> , 1999, , 911-912.	4.1	16
39	Control of excimer phosphorescence by steric effects in cyclometalated platinum(ⁱⁱ) diketonate complexes bearing peripheral carbazole moieties towards application in non-doped white OLEDs. <i>New Journal of Chemistry</i> , 2018, 42, 11583-11592.	2.8	15
40	Synthesis of bisquaraine dyes. Novel homologues of 1,2-squaraines bearing symmetrical and unsymmetrical structures. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2823-2830.	1.3	14
41	Synthesis and light absorption/emission properties of novel squarylium dimers bearing a ferrocene spacer. <i>Dyes and Pigments</i> , 2002, 54, 163-171.	3.7	14
42	Room-Temperature Phosphorescence-Active Boronate Particles: Characterization and Ratiometric Afterglow-Sensing Behavior by Surface Grafting of Rhodamine B. <i>Chemistry - an Asian Journal</i> , 2020, 15, 787-795.	3.3	14
43	Magnetic Circularly Polarized Luminescence from Pt ^{II} OEP and F ₂ -ppyPt ^{II} (acac) under North and South Faraday Geometries. <i>Chemistry - an Asian Journal</i> , 2021, 16, 926-930.	3.3	14
44	Synthesis of a novel tweezers-type host aiming at chiral discrimination by circular dichroism spectroscopy. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 925-932.	1.3	13
45	Extraordinary Doping Effects of Chiral Helical Linear Tetrapyrrole-Zn(II) Complexes on Chiral Nematic Induction of MBBA Liquid Crystal. <i>Chemistry Letters</i> , 2005, 34, 1454-1455.	1.3	13
46	Homohelicity-enriched zinc bilinone dimers with chiral aliphatic spacers. Synthesis and application to chiral induction of a nematic liquid crystal. <i>Tetrahedron</i> , 2008, 64, 10598-10604.	1.9	13
47	Pure red electroluminescence from novel heteroleptic cyclometalated platinum(II) emitters embedded in polyvinylcarbazole. <i>Synthetic Metals</i> , 2010, 160, 615-620.	3.9	13
48	Sky-blue phosphorescence from bis- and tris-cyclometalated iridium(ⁱⁱⁱ) complexes bearing carbazole-based dendrons: fabrication of non-doped multilayer organic light-emitting diodes by solution processing. <i>New Journal of Chemistry</i> , 2017, 41, 10357-10366.	2.8	13
49	Syntheses and application of squarylium dyes. , 2006, , 215-255.		12
50	Substituent effect on photo- and electroluminescence properties of heteroleptic cyclometalated platinum(II) complexes based on a 2-(dibenzo[b,d]furan-4-yl)pyridine ligand. <i>Dyes and Pigments</i> , 2016, 124, 165-173.	3.7	12
51	Hydrogen bond-rigidified planar squaraine dye and its electronic and organic semiconductor properties. <i>Chemical Communications</i> , 2020, 56, 9890-9893.	4.1	12
52	Homohelicity induction of propylene-linked zinc bilinone dimers by complexation with chiral amine and \pm -amino esters. Preorganization of structurally coupled homohelical subunits. <i>Tetrahedron</i> , 2006, 62, 3619-3628.	1.9	10
53	Sign inversion of magnetic circularly polarized luminescence in Iridium(ⁱⁱⁱ) complexes bearing achiral ligands. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5074-5078.	2.8	10
54	Synthesis and Luminescent Properties of Novel Dibenzo[a,c]phenazine Derivatives with Electron-Donating Side-Arms. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 621, 64-69.	0.9	9

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55	Light-controlled gas permeability of mesoporous silica glass bearing photochromic spironaphthoxazine on its surface. <i>Chemical Communications</i> , 2002, , 2444-2445.	4.1	8
56	Synchronous helicity control in zinc bilinone trimer. <i>Tetrahedron Letters</i> , 2005, 46, 7151-7154.	1.4	8
57	White polymer light-emitting diodes co-doped with phosphorescent iridium complexes bearing the same cyclometalated ligand. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2553-2556.	0.8	8
58	Synthesis of Near-Infrared Absorbing Bisquarylium Dyes Bearing Unsymmetrically Extended π -Conjugation Structures. <i>Synthesis</i> , 2002, 2002, 413-417.	2.3	7
59	White Electroluminescence Obtained from a Polymer Light-Emitting Diode Containing Two Phosphorescent Iridium (III) Complexes in an Emitting Layer. <i>Journal of the Japan Society of Colour Material</i> , 2010, 83, 207-214.	0.1	7
60	White polymer light-emitting diodes co-doped with three phosphorescent iridium(III) complexes aimed at improvement of color rendering properties. <i>Journal of Luminescence</i> , 2014, 155, 368-373.	3.1	7
61	Spin-orbit coupling analyses of phosphorescence: the effects of cyclometalated ligand replacement in fac-Ir(ppy) ₃ with various bpy ligands on blue phosphorescence. <i>RSC Advances</i> , 2016, 6, 65020-65030.	3.6	7
62	Linear and Tripodal Squaraine Sensitizers with Triphenylamine Donor Components for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2016, 45, 291-293.	1.3	7
63	Luminescent Properties of Novel Bis-cyclometalated Iridium(III) Complex Bearing a Phosphine Oxide-appended Diketonate Ligand for Solution-processed Multilayer OLEDs. <i>Chemistry Letters</i> , 2017, 46, 1086-1089.	1.3	7
64	Synthesis of novel π -extended D ^A -D-type dipyrido[3,2- <i>a</i> :2',3'- <i>c</i>]phenazine derivatives and their photosensitized singlet oxygen generation. <i>New Journal of Chemistry</i> , 2021, 45, 2264-2275.	2.8	7
65	Red-Green-Blue-Yellow (RGBY) Magnetic Circularly Polarised Luminescence (MCPL) from Optically Inactive Phosphorescent Ir(III) Complexes. <i>ChemistrySelect</i> , 2021, 6, 11182-11187.	1.5	7
66	Synthesis and photophysical properties of photostable 1,8-naphthalimide dyes incorporating benzotriazole-based UV absorbers. <i>RSC Advances</i> , 2022, 12, 17350-17361.	3.6	7
67	Molecular recognition of viologen by zinc porphyrinic receptors with diarylurea sidearms. Toward construction of a supramolecular electron transfer system. <i>Tetrahedron</i> , 2006, 62, 2501-2510.	1.9	6
68	Novel Phosphorescent Platinum(II) Dipyrido[3,2- <i>a</i> :2',3'- <i>c</i>]phenazine Bis(acetylide) Complexes Bearing Electron-donating Side-arms at the 2,7-Positions. <i>Chemistry Letters</i> , 2015, 44, 288-290.	1.3	6
69	Synthesis and properties of functional dyes with squaraine-naphthalene diimide hybrid structure. <i>Research on Chemical Intermediates</i> , 2018, 44, 4783-4795.	2.7	6
70	NIR fluorescence of D ^A -A type functional dyes modulated by terminal Lewis basic groups. <i>Dyes and Pigments</i> , 2021, 184, 108768.	3.7	6
71	Photophysical properties of 4-(5-methylthiophen-2-yl)pyridinium-cyclic enolate betaine dyes tuned by control of twisted intramolecular transfer. <i>New Journal of Chemistry</i> , 2021, 45, 9770-9779.	2.8	6
72	Starburst-Type Carbazole Trimers as Host Materials for Solution-Processed Phosphorescent OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 621, 59-63.	0.9	5

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73	Janus-Type Dendritic Organoiridium(III) Complex Bearing Hole- and Electron-Transporting Moieties: Synthesis, Luminescence Properties, and OLED Applications. Bulletin of the Chemical Society of Japan, 2018, 91, 1419-1428.	3.2	5
74	External Magnetic Field Driven, Ambidextrous Circularly Polarized Electroluminescence from Organic Light Emitting Diodes Containing Racemic Cyclometalated Iridium(III) Complexes. ChemPhotoChem, 2022, 6, .	3.0	4
75	Synthesis, Photophysical and Electrochemical Properties of Bis-Squaraine Dyes Fused on Isomeric Benzodipyrrole Central Units. Chemistry - an Asian Journal, 2022, 17, .	3.3	3
76	Luminescent properties of novel bis-cyclometalated iridium(III) complexes bearing methoxy-substituted dibenzoylmethanate ligands. Molecular Crystals and Liquid Crystals, 2017, 653, 131-136.	0.9	2
77	High Lycopene of Tomato Fruit by Blue-Violet Fluorescent Polymer Film. Journal of the Japan Society of Colour Material, 2019, 92, 253-259.	0.1	2
78	Novel group 14 element-bridged bithiophene dimers appended with terminal electron-withdrawing groups: Red-to-near infrared fluorescence and efficient photosensitized singlet oxygen generation. Dyes and Pigments, 2021, 193, 109498.	3.7	2
79	Squarylium Functional Dyes Having Absorption Bands in a Wide Range of Wavelength and Applicability to Various Fields. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2008, 66, 477-487.	0.1	2
80	Synthesis and Fluorescence Property of 5-amino-2-(2-hydroxyphenyl)-2H-benzotriazole Derivatives. Journal of the Japan Society of Colour Material, 2020, 93, 194-201.	0.1	2
81	Novel freebase and zinc bilinone dimers with optically active peripheral groups. Synthesis and application to chiral nematic induction in a nematic mesophase. Research on Chemical Intermediates, 2009, 35, 1033-1052.	2.7	1
82	Operating voltage-independent white electroluminescence from phosphorescent Ir(III) complexes embedded in poly(N-vinylcarbazole). Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2557-2560.	0.8	1
83	Squaraine Dyes with BODIPY Skeletons for the Application to Dye-Sensitized Solar Cells. Journal of the Japan Society of Colour Material, 2015, 88, 208-217.	0.1	1
84	Photo- and Electroluminescence from Organoplatinum(II) Complexes Bearing Oligofluorene-Based Cyclometalated Ligands. Molecular Crystals and Liquid Crystals, 2015, 621, 53-58.	0.9	1
85	Synthesis and Luminescence Properties of Dibenzo[<i>a,c</i>]phenazine Derivatives Bearing a Series of Electron-Donating π -Conjugated Side-Arms at the 10,13-Positions Novel ICT-Type Red Fluorophores Based on Donor-Acceptor-Donor Structures. Journal of the Japan Society of Colour Material, 2016, 89, 371-379.	0.1	1
86	Luminescent Materials for Organic Light-Emitting Diodes. , 2021, , 561-601.		1
87	Conformational Control of a Polyether-Linked Porphyrin Dimer Induced by Complexation with a Sodium Cation. Supramolecular Chemistry, 2000, 12, 293-297.	1.2	0
88	Synthesis of Binaphthalene-Derived Bis(carbazole)s by Catalytic C-N Bond Formation and Its Application to Preparation of a Host Polymer for Organic Light-Emitting Diode. Journal of the Japan Society of Colour Material, 2011, 84, 408-414.	0.1	0
89	Synthesis and Luminescence Properties of Dithieno[3,2- <i>a</i> :2',3'- <i>c</i>]Phenazine Derivatives with Electron-Donating π -Conjugated Side-Arms at the 2, 5- and 8, 11-Positions. Journal of the Japan Society of Colour Material, 2017, 90, 51-60.	0.1	0
90	Starburst-type triarylphosphine oxide trimers forming a stable amorphous n-type layer in solution-processed multilayer OLED. Molecular Crystals and Liquid Crystals, 2019, 686, 78-83.	0.9	0

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91	Past to Future of Color Material Research. Journal of the Japan Society of Colour Material, 2021, 94, 257-260.	0.1	0
92	Functionalization of Organometallic Complexes Aimed at Solution-Processed Organic Light-Emitting Diode: Strategic Molecular Designs of Phosphorescent Dendritic Emitters. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2019, 77, 26-39.	0.1	0
93	Theoretical Design of Blue-Color Phosphorescent Complexes for Organic Light-Emitting Diodes: Emission Intensities and Nonradiative Transition Rate Constants in Ir(ppy) ₂ (acac) Derivatives. Journal of Physical Chemistry A, 2021, 125, 10604-10614.	2.5	0
94	Front Cover: Synthesis, Photophysical and Electrochemical Properties of Bis-Squaraine Dyes Fused on Isomeric Benzodipyrrole Central Units (Chem. Asian J. 13/2022). Chemistry - an Asian Journal, 2022, 17, .	3.3	0