

Takeshi Maeda

List of Publications by Citations

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73
papers

1,837
citations

25
h-index

41
g-index

76
ext. papers

1,988
ext. citations

4.2
avg. IF

4.69
L-index

#	Paper	IF	Citations
73	Dynamic covalent polymers: Reorganizable polymers with dynamic covalent bonds. <i>Progress in Polymer Science</i> , 2009 , 34, 581-604	29.6	366
72	A dynamic covalent polymer driven by disulfide metathesis under photoirradiation. <i>Chemical Communications</i> , 2010 , 46, 1150-2	5.8	228
71	Double-stranded helical polymers consisting of complementary homopolymers. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7938-45	16.4	109
70	Scrambling reaction between polymers prepared by step-growth and chain-growth polymerizations: macromolecular cross-metathesis between 1,4-polybutadiene and olefin-containing polyester. <i>Chemical Communications</i> , 2009 , 1073-5	5.8	65
69	Near-infrared absorbing squarylium dyes with linearly extended π -conjugated structure for dye-sensitized solar cell applications. <i>Organic Letters</i> , 2011 , 13, 5994-7	6.2	63
68	Photo- and Electroluminescence from 2-(Dibenzo[b,d]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	3.8	53
67	Photoresponsive double-stranded helices composed of complementary strands. <i>Chemical Communications</i> , 2007 , 3174-6	5.8	47
66	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	13	42
65	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	3.6	41
64	Rational approach to star-like nanogels with different arm lengths: formation by dynamic covalent exchange and their imaging. <i>Chemical Communications</i> , 2009 , 689-91	5.8	37
63	On-column labeling of gram-positive bacteria with a boronic acid functionalized squarylium cyanine dye for analysis by polymer-enhanced capillary transient isotachopheresis. <i>Analytical Chemistry</i> , 2012 , 84, 2452-8	7.8	36
62	Squaraine Dyes with Pirylium and Thiopyrylium Components for Harvest of Near Infrared Light in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16618-16625	3.8	35
61	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	3.8	34
60	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	2.3	34
59	Design and synthesis of chiral poly(binaphthyl salen zinc complex) and application of the asymmetric field based on its helical conformation to a catalytic asymmetric reaction. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4693-4703	2.5	34
58	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	2.6	32
57	Unsymmetrical squarylium dyes with π -extended heterocyclic components and their application to organic dye-sensitized solar cells. <i>Synthetic Metals</i> , 2011 , 161, 2481-2487	3.6	32

56	Halochromic and hydrochromic squaric acid functionalized perylene bisimide. <i>Chemical Communications</i> , 2015 , 51, 7661-4	5.8	30
55	Synthesis of polyethylene/polyester copolymers through main chain exchange reactions via olefin metathesis. <i>Polymer</i> , 2014 , 55, 6245-6251	3.9	30
54	A long-wavelength fluorescent squarylium cyanine dye possessing boronic acid for sensing monosaccharides and glycoproteins with high enhancement in aqueous solution. <i>Sensors</i> , 2012 , 12, 5420-31	3.8	30
53	Photo- and electroluminescence from deep-red- and near-infrared-phosphorescent tris-cyclometalated iridium(III) complexes bearing largely extended ligands. <i>Inorganic Chemistry Communication</i> , 2013 , 38, 14-19	3.1	29
52	Intramolecular Exciton-Coupled Squaraine Dyes for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21745-21754	3.8	29
51	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	4.6	28
50	Solvent-free synthesis of pseudopolyrotaxane and polyrotaxane: Efficient threading complexation of a cyclodextrin wheel and a linear polymer axle to yield pseudopolyrotaxane and its fixation to polyrotaxane by the direct grinding of a solid mixture. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 1571-1574	2.5	28
49	A Rational Design of Helix: Absolute Helix Synthesis by Binaphthyl-Salen Fusion. <i>Chemistry Letters</i> , 2001 , 30, 1020-1021	1.7	25
48	Synthesis and structure of poly(binaphthyl salen manganese complex) and its application to asymmetric epoxidation. <i>Chirality</i> , 2002 , 14, 587-90	2.1	23
47	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	3.7	21
46	Synthesis and near-infrared absorption properties of linearly extended squarylium oligomers. <i>Dyes and Pigments</i> , 2011 , 90, 211-218	4.6	20
45	Molecular design of boronic acid-functionalized squarylium cyanine dyes for multiple discriminant analysis of sialic acid in biological samples: selectivity toward monosaccharides controlled by different alkyl side chain lengths. <i>Analytical Chemistry</i> , 2015 , 87, 1933-40	7.8	19
44	Novel 10,13-disubstituted dipyrido[3,2-a:2',3'-c]phenazines and their platinum(II) complexes: highly luminescent ICT-type fluorophores based on DAD structures. <i>Tetrahedron Letters</i> , 2014 , 55, 5195-5198	2	17
43	Photoluminescence color tuning of phosphorescent bis-cyclometalated iridium(III) complexes by ancillary ligand replacement. <i>Dyes and Pigments</i> , 2012 , 95, 695-705	4.6	17
42	An application of polymer-enhanced capillary transient isotachopheresis with an emissive boronic acid functionalized squarylium dye as an on-capillary labeling agent for gram-positive bacteria. <i>Analytical Sciences</i> , 2013 , 29, 157-9	1.7	15
41	Near-infrared squaraine sensitizers bearing benzo[c,d]indolenine as an acceptor moiety. <i>Dyes and Pigments</i> , 2015 , 122, 160-167	4.6	14
40	Synthesis and Structure of Optically Active Polyesters Containing C2 Chiral Spirobifluorene Moieties in the Main Chain. <i>Polymer Journal</i> , 2007 , 39, 1351-1359	2.7	14
39	Pure red electroluminescence from novel heteroleptic cyclometalated platinum(II) emitters embedded in polyvinylcarbazole. <i>Synthetic Metals</i> , 2010 , 160, 615-620	3.6	13

38	Photokinetic study on remarkable excimer phosphorescence from heteroleptic cyclometalated platinum(II) complexes bearing a benzoyleated 2-phenylpyridinate ligand. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 542-552	3.6	12
37	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	4.6	10
36	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	3.6	9
35	Self-assembly of multinuclear complexes with enantiomerically pure chiral binaphthoxy imine ligands: effect of the alkyl spacer connecting two binaphthyl units on the metal binding. <i>Chirality</i> , 2006 , 18, 691-7	2.1	9
34	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	3.6	9
33	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	0.5	8
32	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		8
31	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	3.8	7
30	Near-infrared-absorbing π -Extended Squarylium-based Dyes with Dicyanovinylene Substitution for Dye-sensitized Solar Cell Applications. <i>Chemistry Letters</i> , 2013 , 42, 25-27	1.7	7
29	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	7
28	Linear and Tripodal Squaraine Sensitizers with Triphenylamine Donor Components for Dye-sensitized Solar Cells. <i>Chemistry Letters</i> , 2016 , 45, 291-293	1.7	6
27	Novel Phosphorescent Platinum(II) Dipyrido[3,2-a:2',3'-c]phenazine Bis(acetylidate) Complexes Bearing Electron-donating Side-arms at the 2,7-Positions. <i>Chemistry Letters</i> , 2015 , 44, 288-290	1.7	6
26	Synthesis and Properties of Optically Active Polycarbonates Having C2 Chiral Spirobifluorene Skeleton in the Main Chain. <i>Kobunshi Ronbunshu</i> , 2006 , 63, 512-518	0	6
25	Luminescent Properties of Novel Bis-cyclometalated Iridium(III) Complex Bearing a Phosphine Oxide-appended Diketone Ligand for Solution-processed Multilayer OLEDs. <i>Chemistry Letters</i> , 2017 , 46, 1086-1089	1.7	5
24	Malachite Green Derivatives for Dye-Sensitized Solar Cells: Optoelectronic Characterizations and Persistence on TiO ₂ . <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 52-64	5.1	5
23	Starburst-Type Carbazole Trimers as Host Materials for Solution-Processed Phosphorescent OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , 2015 , 621, 59-63	0.5	5
22	Janus-Type Dendritic Organoiridium(III) Complex Bearing Hole- and Electron-Transporting Moieties: Synthesis, Luminescence Properties, and OLED Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 1419-1428	5.1	4
21	Synthesis of novel π -extended DAD-type dipyrido[3,2-a:2',3'-c]phenazine derivatives and their photosensitized singlet oxygen generation. <i>New Journal of Chemistry</i> , 2021 , 45, 2264-2275	3.6	4

20	Synthesis and properties of functional dyes with squaraine-biphenylene diimide hybrid structure. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4783-4795	2.8	3
19	Hydrogen bond-rigidified planar squaraine dye and its electronic and organic semiconductor properties. <i>Chemical Communications</i> , 2020 , 56, 9890-9893	5.8	3
18	NIR fluorescence of ADA type functional dyes modulated by terminal Lewis basic groups. <i>Dyes and Pigments</i> , 2021 , 184, 108768	4.6	3
17	Deep Blue Asymmetrical Streptocyanine Dyes: Synthesis, Spectroscopic Characterizations, and Ion-Specific Cooperative Adsorption at the Surface of TiO ₂ Anatase Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15049-15062	3.8	2
16	Luminescent properties of novel bis-cyclometalated iridium(III) complexes bearing methoxy-substituted dibenzoylmethanate ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 653, 131-136	0.5	2
15	Squaraine Dyes with BODIPY Skeletons for the Application to Dye-Sensitized Solar Cells. <i>Journal of the Japan Society of Colour Material</i> , 2015 , 88, 208-217	0	1
14	Photo- and Electroluminescence from Organoplatinum(II) Complexes Bearing Oligofluorene-Based Cyclometalated Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2015 , 621, 53-58	0.5	1
13	Operating voltage-independent white electroluminescence from phosphorescent Ir(III) complexes embedded in poly(N-vinylcarbazole). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 2557-2560		1
12	Synthesis and Luminescence Properties of Dibenzo[a,c]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. <i>Journal of the Japan Society of Colour Material</i> , 2016 , 89, 371-379	0	1
11	Squaraine Dyes 2021 , 21-47		1
10	Novel group 14 element-bridged bithiophene dimers appended with terminal electron-withdrawing groups: Red-to-near infrared fluorescence and efficient photosensitized singlet oxygen generation. <i>Dyes and Pigments</i> , 2021 , 193, 109498	4.6	1
9	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	3.6	1
8	Synthesis and Fluorescence Property of 5-amino-2-(2-hydroxyphenyl)-2H-benzotriazole Derivatives. <i>Journal of the Japan Society of Colour Material</i> , 2020 , 93, 194-201	0	0
7	Starburst-type triarylphosphine oxide trimers forming a stable amorphous n-type layer in solution-processed multilayer OLED. <i>Molecular Crystals and Liquid Crystals</i> , 2019 , 686, 78-83	0.5	
6	Synthesis and Luminescence Properties of Dithieno[3,2-a:2',1'-b]phenazine Derivatives with Electron-Donating π -Conjugated Side-Arms at the 2, 5- and 8, 11-Positions. <i>Journal of the Japan Society of Colour Material</i> , 2017 , 90, 51-60	0	
5	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. <i>Journal of the Japan Society of Colour Material</i> , 2011 , 84, 408-414	0	
4	C ₂ Chiral Biaryl Unit-Based Helical Polymers and their Application to Asymmetric Catalysis 2011 , 267-292		
3	Synthesis and Reaction of Well-defined Copolymers with Thermally Exchangeable Dynamic Covalent Bonds in the Side Chains. <i>ACS Symposium Series</i> , 2009 , 319-329	0.4	

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- 1 Functionalization of Organometallic Complexes Aimed at Solution-Processed Organic Light-Emitting Diode: Strategic Molecular Designs of Phosphorescent Dendritic Emitters. *Yuki Gosei* 0.2
Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, **2019**, *77*, 26-39