Yasunori Matsui

List of Publications by Year
in descending order

44 papers	633 citations	687363 13 h-index	610901 24 g-index
57 all docs	57 docs citations	57 times ranked	1040 citing authors

#	Article	IF	Citations
1	Visible-light, photoredox catalyzed, oxidative hydroxylation of arylboronic acids using a metalâ€"organic framework containing tetrakis(carboxyphenyl)porphyrin groups. Chemical Communications, 2015, 51, 16103-16106.	4.1	93
2	Curie Temperature ofBaTiO3. Japanese Journal of Applied Physics, 1995, 34, 5443-5445.	1.5	79
3	New Fluorescence Domain â€œExcited Multimerâ€•Formed upon Photoexcitation of Continuously Stacked Diaroylmethanatoboron Difluoride Molecules with Fused Ï€â€Orbitals in Crystals. Chemistry - A European Journal, 2015, 21, 18128-18137.	3.3	62
4	Singlet-Fission-Born Quintet State: Sublevel Selections and Trapping by Multiexciton Thermodynamics. Journal of Physical Chemistry Letters, 2018, 9, 5855-5861.	4.6	55
5	Exergonic Intramolecular Singlet Fission of an Adamantane-Linked Tetracene Dyad via Twin Quintet Multiexcitons. Journal of Physical Chemistry C, 2019, 123, 18813-18823.	3.1	39
6	A Probable Hydrogen-Bonded Meisenheimer Complex: An Unusually High SNAr Reactivity of Nitroaniline Derivatives with Hydroxide Ion in Aqueous Media. Journal of Organic Chemistry, 2011, 76, 6356-6361.	3.2	27
7	Roomâ€Temperature Phosphorescence of Crystalline Metalâ€Free Organoboron Complex. ChemPhysChem, 2016, 17, 4033-4036.	2.1	25
8	Photochemical Intramolecular Cå^'H Addition of Dimesityl(hetero)arylboranes through a [1,6]â€Sigmatropic Rearrangement. Angewandte Chemie - International Edition, 2017, 56, 12210-12214.	13.8	21
9	A facile and high-yield formation of dipyrrin-boronic acid dyads and triads: a light-harvesting system in the visible region based on the efficient energy transfer. Organic and Biomolecular Chemistry, 2015, 13, 2574-2581.	2.8	18
10	X-ray-Triggered Thermoluminescence and Density Functional Theory Characterization of a gem-Diphenyltrimethylenemethane Biradical. Australian Journal of Chemistry, 2010, 63, 1342.	0.9	16
11	Remarkable Solvatofluorochromism of a [2.2]Paracyclophaneâ€Containing Organoboron Complex: A Large Stokes Shift Promoted by Excited State Intramolecular Charge Transfer. ChemPhotoChem, 2017, 1, 188-197.	3.0	15
12	Intramolecular Triple Cyclization Strategy for Silaâ€and Oxaâ€Analogues of Truxene with Longâ€Lived Phosphorescence. Asian Journal of Organic Chemistry, 2017, 6, 290-296.	2.7	14
13	Chargeâ€Transfer and Arrangement Effects on Delayed Photoluminescence from Phthalimide Cocrystals. ChemPhotoChem, 2018, 2, 42-52.	3.0	14
14	Twisted molecular geometry and localized electronic structure of the triplet excited gem-diphenyltrimethylenemethane biradical: substituent effects on thermoluminescence and related theoretical calculations. Tetrahedron, 2011, 67, 7431-7439.	1.9	12
15	Synthesis and basic properties of tetrathieno[2,3-a:3â€²,2â€²-c:2â€³,3â€³-f:3â€´,2â€´-h]naphthalene: a new Ï€-conjugated system obtained by photoinduced electrocyclizationâ€"dehydrogenation reactions of tetra(3-thienyl)ethene. Tetrahedron Letters, 2013, 54, 4049-4053.	1.4	12
16	Synthesis and Photophysical Studies of Dibenzophosphole Oxides with Dâ€"Aâ€"D Triad Structures. European Journal of Organic Chemistry, 2019, 2019, 3735-3743.	2.4	12
17	The lifetime and efficiency of tripletâ€"triplet fluorescence from the excited state of a TMM biradical determined using transient emission spectroscopy by two-color two-laser flash photolysis. Physical Chemistry Chemical Physics, 2013, 15, 7064.	2.8	11
18	Amorphous Solid Simulation and Trial Fabrication of the Organic Field-Effect Transistor of Tetrathienonaphthalenes Prepared by Using Microflow Photochemical Reactions: A Theoretical Calculation-Inspired Investigation. Journal of Organic Chemistry, 2016, 81, 3168-3176.	3.2	10

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19	Adiabatic process of higher electronically excited states: luminescence from an excited state biradical generated by irradiation of benzophenoneâ€substituted cyclopropanes. Journal of Physical Organic Chemistry, 2017, 30, e3636.	1.9	10
20	Elongation of Triplet Lifetime Caused by Intramolecular Energy Hopping in Diphenylanthracene Dyads Oriented to Undergo Efficient Tripletâ€“Triplet Annihilation Upconversion. Journal of Physical Chemistry B, 2021, 125, 4831-4837.	2.6	10
21	The â€œexcited state Câ€“C bond cleavageâ€“luminescenceâ€•phenomenon of a biphenyl-substituted methylenecyclopropane triggered by intermolecular energy transfer from triplet benzophenone. Chemical Communications, 2014, 50, 13963-13966.	4.1	9
22	Tripletâ€“Triplet Annihilation-Photon Upconversion Employing an Adamantane-linked Diphenylanthracene Dyad Strategy. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 387, 112107.	3.9	9
23	Photochemical Intramolecular Cî€H Addition of Dimesityl(hetero)arylboranes through a [1,6]â€sigmatropic Rearrangement. Angewandte Chemie, 2017, 129, 12378-12382.	2.0	7
24	Synthesis of novel Ï€-extended Dâ€“Aâ€“D-type dipyrido[3,2-a:2â€²,3â€²-c]phenazine derivatives and their photosensitized singlet oxygen generation. New Journal of Chemistry, 2021, 45, 2264-2275.	2.8	7
25	Formation of a trithia[5]helicene in an unexpected photoreaction of a methyl-substituted bis(dithienylethenyl)thiophene through a double sequence of 6Ï€-electrocyclization/aromatization (dehydrogenation/demethylation). Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 48-55.	3.9	6
26	A leaning amineâ€“ketone dyad with a nonconjugated linker: solvatofluorochromism and dual fluorescence associated with intramolecular charge transfer. Photochemical and Photobiological Sciences, 2018, 17, 1157-1168.	2.9	6
27	Unexpected formation of a phenonium ion-containing salt by single electron-transfer oxidation of a cage compound possessing triphenylamine moieties. Tetrahedron Letters, 2014, 55, 4366-4369.	1.4	4
28	Cooperative effects of o - and m -methyl groups on the intramolecular charge-transfer emission properties of dibenzoylmethanatoboron difluorides. Photochemical and Photobiological Sciences, 2017, 16, 845-853.	2.9	4
29	Electronâ€Transfer Reactions Triggered by Uncharged or Cationic Photosensitizer: Methodology for Generation of o â€Quinodimethane and Analysis of Back Electronâ€Transfer Process. Asian Journal of Organic Chemistry, 2017, 6, 458-468.	2.7	4
30	Basic Properties of Organic Radicals and Their Functionalization —From Examples in the Past to Organic Radical Light-Emitting Diode in the Future—. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 434-441.	0.1	4
31	Design, Generation, and Characterization of a 1,5-Hexadiene Bearing Two Lophyl Radicals as a Probe of the Stepwise Mechanism for the Cope Rearrangement. Bulletin of the Chemical Society of Japan, 2011, 84, 537-543.	3.2	3
32	Ab initio and first principles theoretical investigations of tripletâ€“triplet fluorescence in trimethylenemethane biradicals. RSC Advances, 2016, 6, 83668-83672.	3.6	3
33	Aggregation-induced emission active thermally-activated delayed fluorescence materials possessing N-heterocycle and sulfonyl groups. Journal of Materials Chemistry C, 2022, 10, 4607-4613.	5.5	3
34	Rates of Ring Opening of Radical Cation Intermediates Govern Differences in Thermoluminescence between 1â€•and 2â€Naphthylâ€Substituted Methylenecyclopropanes. ChemPhotoChem, 2020, 4, 168-172.	3.0	2
35	Fluorescence Behavior Associated with a Possible Intercolumnar Charge-transfer Interaction in the Crystalline State of a Dyad Consisting of Mesitylene and 1,4-Dicyano-2-methylnaphthalene Subunits. Rapid Communication in Photoscience, 2015, 4, 31-33.	0.1	2
36	Remarkable Piezofluorochromism of an Organoboron Complex Containing [2.2]Paracyclophane. Tetrahedron Letters, 2022, 101, 153913.	1.4	2

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37	Spectroscopic and electrical characterization of Î±,Î³-bisdiphenylene-Î²-phenylallyl radical as an organic semiconductor. Research on Chemical Intermediates, 2018, 44, 4765-4774.	2.7	1
38	Time-Resolved EPR Study on Singlet-Fission Induced Quintet Generation and Subsequent Triplet Dissociation in TIPS-Phenyl-Tetracene Aggregates. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 163-167.	0.3	1
39	Theoretical investigation on structure and electronic properties of Si-bridged Ï€-conjugated systems. AIP Conference Proceedings, 2015, , .	0.4	0
40	Remarkable Solvatofluorochromism of a [2.2]Paracyclophane-Containing Organoboron Complex: A Large Stokes Shift Promoted by Excited State Intramolecular Charge Transfer. ChemPhotoChem, 2017, 1, 135-135.	3.0	0
41	Rates of Ring Opening of Radical Cation Intermediates Govern Differences in Thermoluminescence between 1â€â€…and 2â€Naphthylâ€Substituted Methylenecyclopropanes. ChemPhotoChem, 2020, 4, 156-156.	3.0	0
42	Unique Orbital Interactions in the Ground and Electronically Excited States of Biradicals Brought about by the Existence of â€œTwisted Ï€-Spaceâ€•. , 2015, , 315-322.		0
43	Effects of the Alkyl Substituents on the Organic Thin Film Transistor Characteristics of Thiophene-fused Naphthalenes:. Journal of the Japan Society of Colour Material, 2017, 90, 233-237.	0.1	0
44	(Invited) Geometry and Dynamics of Quintet Multiexciton Studied By Time-Resolved EPR. ECS Meeting Abstracts, 2019, , .	0.0	0