

# Yasunori Matsui

## List of Publications by Year in descending order

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44  
papers

633  
citations

687363

13  
h-index

610901

24  
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57  
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57  
docs citations

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times ranked

1040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregation-induced emission active thermally-activated delayed fluorescence materials possessing N-heterocycle and sulfonyl groups. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4607-4613.	5.5	3
2	Remarkable Piezofluorochromism of an Organoboron Complex Containing [2.2]Paracyclophane. <i>Tetrahedron Letters</i> , 2022, 101, 153913.	1.4	2
3	Elongation of Triplet Lifetime Caused by Intramolecular Energy Hopping in Diphenylanthracene Dyads Oriented to Undergo Efficient Triplet-Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4831-4837.	2.6	10
4	Synthesis of novel $\beta$ -extended D $\pi$ -A $\pi$ -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
5	Triplet-Triplet Annihilation-Photon Upconversion Employing an Adamantane-linked Diphenylanthracene Dyad Strategy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112107.	3.9	9
6	Rates of Ring Opening of Radical Cation Intermediates Govern Differences in Thermoluminescence between 1 $\beta$ - and 2 $\beta$ -Naphthyl-Substituted Methylenecyclopropanes. <i>ChemPhotoChem</i> , 2020, 4, 168-172.	3.0	2
7	Rates of Ring Opening of Radical Cation Intermediates Govern Differences in Thermoluminescence between 1 $\beta$ - and 2 $\beta$ -Naphthyl-Substituted Methylenecyclopropanes. <i>ChemPhotoChem</i> , 2020, 4, 156-156.	3.0	0
8	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
9	Synthesis and Photophysical Studies of Dibenzophosphole Oxides with D $\pi$ -A $\pi$ -D Triad Structures. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3735-3743.	2.4	12
10	(Invited) Geometry and Dynamics of Quintet Multiexciton Studied By Time-Resolved EPR. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
11	Spectroscopic and electrical characterization of $\beta$ , $\beta$ -bis(diphenylene)- $\beta$ -phenylallyl radical as an organic semiconductor. <i>Research on Chemical Intermediates</i> , 2018, 44, 4765-4774.	2.7	1
12	Time-Resolved EPR Study on Singlet-Fission Induced Quintet Generation and Subsequent Triplet Dissociation in TIPS-Phenyl-Tetracene Aggregates. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 163-167.	0.3	1
13	Singlet-Fission-Born Quintet State: Sublevel Selections and Trapping by Multiexciton Thermodynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5855-5861.	4.6	55
14	A leaning amine-ketone dyad with a nonconjugated linker: solvatofluorochromism and dual fluorescence associated with intramolecular charge transfer. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1157-1168.	2.9	6
15	Charge-Transfer and Arrangement Effects on Delayed Photoluminescence from Phthalimide Cocrystals. <i>ChemPhotoChem</i> , 2018, 2, 42-52.	3.0	14
16	Adiabatic process of higher electronically excited states: luminescence from an excited state biradical generated by irradiation of benzophenone-substituted cyclopropanes. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3636.	1.9	10
17	Cooperative effects of <i>o</i> - and <i>m</i> -methyl groups on the intramolecular charge-transfer emission properties of dibenzoylmethanoboron difluorides. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 845-853.	2.9	4
18	Electron-Transfer Reactions Triggered by Uncharged or Cationic Photosensitizer: Methodology for Generation of $\alpha$ -Quinodimethane and Analysis of Back Electron-Transfer Process. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 458-468.	2.7	4

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19	Remarkable Solvatofluorochromism of a [2.2]Paracyclophane-Containing Organoboron Complex: A Large Stokes Shift Promoted by Excited State Intramolecular Charge Transfer. <i>ChemPhotoChem</i> , 2017, 1, 188-197.	3.0	15
20	Intramolecular Triple Cyclization Strategy for Sila- and Oxa-Analogues of Truxene with Long-Lived Phosphorescence. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 290-296.	2.7	14
21	Photochemical Intramolecular C-H Addition of Dimesityl(hetero)arylboranes through a [1,6]-Sigmatropic Rearrangement. <i>Angewandte Chemie</i> , 2017, 129, 12378-12382.	2.0	7
22	Remarkable Solvatofluorochromism of a [2.2]Paracyclophane-Containing Organoboron Complex: A Large Stokes Shift Promoted by Excited State Intramolecular Charge Transfer. <i>ChemPhotoChem</i> , 2017, 1, 135-135.	3.0	0
23	Photochemical Intramolecular C-H Addition of Dimesityl(hetero)arylboranes through a [1,6]-Sigmatropic Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12210-12214.	13.8	21
24	Effects of the Alkyl Substituents on the Organic Thin Film Transistor Characteristics of Thiophene-fused Naphthalenes. <i>Journal of the Japan Society of Colour Material</i> , 2017, 90, 233-237.	0.1	0
25	Ab initio and first principles theoretical investigations of triplet-triplet fluorescence in trimethylenemethane biradicals. <i>RSC Advances</i> , 2016, 6, 83668-83672.	3.6	3
26	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. <i>Journal of Organic Chemistry</i> , 2016, 81, 3168-3176.	3.2	10
27	Room-Temperature Phosphorescence of Crystalline Metal-Free Organoboron Complex. <i>ChemPhysChem</i> , 2016, 17, 4033-4036.	2.1	25
28	Formation of a trithia[5]helicene in an unexpected photoreaction of a methyl-substituted bis(dithienylethenyl)thiophene through a double sequence of 6 $\pi$ -electrocyclization/aromatization (dehydrogenation/demethylation). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 48-55.	3.9	6
29	Theoretical investigation on structure and electronic properties of Si-bridged $\pi$ -conjugated systems. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
30	New Fluorescence Domain -Excited Multimer-Formed upon Photoexcitation of Continuously Stacked Diaroylmethanoboron Difluoride Molecules with Fused $\pi$ -Orbitals in Crystals. <i>Chemistry - A European Journal</i> , 2015, 21, 18128-18137.	3.3	62
31	A facile and high-yield formation of dipyrin-boronic acid dyads and triads: a light-harvesting system in the visible region based on the efficient energy transfer. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2574-2581.	2.8	18
32	Visible-light, photoredox catalyzed, oxidative hydroxylation of arylboronic acids using a metal-organic framework containing tetrakis(carboxyphenyl)porphyrin groups. <i>Chemical Communications</i> , 2015, 51, 16103-16106.	4.1	93
33	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. <i>Rapid Communication in Photoscience</i> , 2015, 4, 31-33.	0.1	2
34	Unique Orbital Interactions in the Ground and Electronically Excited States of Biradicals Brought about by the Existence of Twisted $\pi$ -Space, 2015, , 315-322.		0
35	The -excited state C-C bond cleavage-luminescence-phenomenon of a biphenyl-substituted methylenecyclopropane triggered by intermolecular energy transfer from triplet benzophenone. <i>Chemical Communications</i> , 2014, 50, 13963-13966.	4.1	9
36	Unexpected formation of a phenonium ion-containing salt by single electron-transfer oxidation of a cage compound possessing triphenylamine moieties. <i>Tetrahedron Letters</i> , 2014, 55, 4366-4369.	1.4	4

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37	The lifetime and efficiency of triplet-triplet fluorescence from the excited state of a TMM biradical determined using transient emission spectroscopy by two-color two-laser flash photolysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7064.	2.8	11
38	Synthesis and basic properties of tetrathieno[2,3-a:3 <sup>a</sup> :2 <sup>a</sup> -c:2 <sup>a</sup> :3 <sup>a</sup> -f:3 <sup>a</sup> :2 <sup>a</sup> -h]naphthalene: a new $\pi$ -conjugated system obtained by photoinduced electrocyclization-dehydrogenation reactions of tetra(3-thienyl)ethene. <i>Tetrahedron Letters</i> , 2013, 54, 4049-4053.	1.4	12
39	Basic Properties of Organic Radicals and Their Functionalization &mdash;From Examples in the Past to Organic Radical Light-Emitting Diode in the Future&mdash;. <i>Yuki Gosei Kagaku Kyokashii/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 434-441.	0.1	4
40	A Probable Hydrogen-Bonded Meisenheimer Complex: An Unusually High S <sub>N</sub> Ar Reactivity of Nitroaniline Derivatives with Hydroxide Ion in Aqueous Media. <i>Journal of Organic Chemistry</i> , 2011, 76, 6356-6361.	3.2	27
41	Design, Generation, and Characterization of a 1,5-Hexadiene Bearing Two Lophyl Radicals as a Probe of the Stepwise Mechanism for the Cope Rearrangement. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 537-543.	3.2	3
42	Twisted molecular geometry and localized electronic structure of the triplet excited gem-diphenyltrimethylenemethane biradical: substituent effects on thermoluminescence and related theoretical calculations. <i>Tetrahedron</i> , 2011, 67, 7431-7439.	1.9	12
43	X-ray-Triggered Thermoluminescence and Density Functional Theory Characterization of a gem-Diphenyltrimethylenemethane Biradical. <i>Australian Journal of Chemistry</i> , 2010, 63, 1342.	0.9	16
44	Curie Temperature of BaTiO <sub>3</sub> . <i>Japanese Journal of Applied Physics</i> , 1995, 34, 5443-5445.	1.5	79