

Masaki Matsui

List of Publications by Year in descending order

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186265
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docs citations

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times ranked

2792
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis and fluorescence properties of unsymmetrical 1,4-dihydropyrrolo[3,2-b]pyrrole dyes. <i>New Journal of Chemistry</i> , 2022, 46, 1533-1542. | 2.8 | 2 |
| 2 | Polymethine Dyes. , 2021, , 3-19. | | 0 |
| 3 | Synthesis of near-infrared absorbing and fluorescent bis(pyrrol-2-yl)squaraines and their halochromic properties. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6226-6243. | 4.5 | 12 |
| 4 | Relationship between Crystal Packing and Solid-State Fluorescence Quantum Yield in Pyrazine Monoboron Complexes. <i>Journal of the Japan Society of Colour Material</i> , 2020, 93, 288-291. | 0.1 | 0 |
| 5 | Synthesis of near-infrared absorbing and fluorescing thiophene-fused BODIPY dyes with strong electron-donating groups and their application in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 1156-1165. | 2.8 | 28 |
| 6 | Application of indoline dyes attached with strongly electron-withdrawing carboxylated indan-1,3-dione analogues linked with a hexylthiophene ring to dye-sensitized solar cells. <i>Tetrahedron</i> , 2018, 74, 3498-3506. | 1.9 | 12 |
| 7 | Wide-Range Near-Infrared Sensitizing 1 <i>H</i> -Benzo[<i>c</i> , <i>d</i>]indol-2-ylidene-Based Squaraine Dyes for Dye-Sensitized Solar Cells. <i>Journal of Organic Chemistry</i> , 2018, 83, 4389-4401. | 3.2 | 20 |
| 8 | Novel indoline dye tetrabutylammonium carboxylates attached with a methyl group on the cyclopentane ring for dye-sensitized solar cells. <i>Tetrahedron</i> , 2018, 74, 5867-5878. | 1.9 | 2 |
| 9 | Application of benz[<i>c</i> , <i>d</i>]indolenine-based unsymmetrical squaraine dyes to near-infrared dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2017, 141, 457-462. | 3.7 | 22 |
| 10 | Synthesis and fluorescence properties of novel squarylium-boron complexes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1522-1527. | 4.5 | 17 |
| 11 | UV-vis absorption and fluorescence spectra, solvatochromism, and application to pH sensors of novel xanthene dyes having thienyl and thieno[3,2- <i>b</i>]thienyl rings as auxochrome. <i>Dyes and Pigments</i> , 2017, 139, 533-540. | 3.7 | 17 |
| 12 | Effects of alkyl-, polyfluoroalkyl-, and perfluoroalkyl carboxylic acids on the performance of D205 in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 134-138. | 3.9 | 5 |
| 13 | Structure identification of Ti(<i>iv</i>) clusters in low-temperature TiO ₂ crystallization: creating high-surface area brush-shaped rutile TiO ₂ . <i>CrystEngComm</i> , 2017, 19, 5844-5848. | 2.6 | 7 |
| 14 | MCM-41-Supported Linear Alkylamine-Catalyzed In Situ Generation of Unstable Trifluoroacetaldehyde and Successive <i>syn</i> -Selective Direct Aldol Reaction with Cyclic Ketones. <i>ChemistrySelect</i> , 2017, 2, 6673-6682. | 1.5 | 0 |
| 15 | Application of indoline dyes having a carboxylated 1,3-indandione ring linked with thienyl or hexylthienyl ring to dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2017, 147, 50-55. | 3.7 | 7 |
| 16 | Controlled Assembly of Nanorod TiO ₂ Crystals via a Sintering Process: Photoanode Properties in Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-8. | 2.5 | 1 |
| 17 | Synthesis and Fluorescence Properties of Pyrimidine-Based Diboron Complexes with Donor-Acceptor Structures. <i>Chemistry - A European Journal</i> , 2016, 22, 1816-1824. | 3.3 | 24 |
| 18 | Survey, fluorescence spectra, and solubility of liquid cyanine dyes. <i>New Journal of Chemistry</i> , 2016, 40, 10187-10196. | 2.8 | 8 |

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|----|---|-----|-----------|
| 19 | Application of novel triarylmethane dyes having thienyl, thieno[3,2-b]thienyl, and dithieno[3,2-b:2â€²,3â€²-d]thienyl rings as auxochromes to super acid pH sensors. RSC Advances, 2016, 6, 16759-16765. | 3.6 | 4 |
| 20 | Liquid azo dyes. Dyes and Pigments, 2016, 125, 249-258. | 3.7 | 11 |
| 21 | A Direct, Concise, and Enantioselective Synthesis of 2â€²-Substituted 4,4,4-Trifluorobutane-1,3-Diols Based on the Organocatalytic In Situ Generation of Unstable Trifluoroacetaldehyde. Chemistry - an Asian Journal, 2015, 10, 2701-2707. | 3.3 | 10 |
| 22 | Strategy to enhance solid-state fluorescence and aggregation-induced emission enhancement effect in pyrimidine boron complexes. Dalton Transactions, 2015, 44, 3326-3341. | 3.3 | 69 |
| 23 | Synthesis, Absorption, and Electrochemical Properties of Quinoid-Type Bisboron Complexes with Highly Symmetrical Structures. Organic Letters, 2015, 17, 3174-3177. | 4.6 | 32 |
| 24 | Asymmetric synthesis of (1±S)-polyfluoroalkylated N-Boc-prolinols by the diethyl zinc-induced asymmetric Meerweinâ€²Ponndorfâ€²Verley reduction of perfluoroalkyl N-Boc-pyrrolidyl ketones. Organic Chemistry Frontiers, 2015, 2, 369-371. | 4.5 | 3 |
| 25 | Preparation and properties of silicate particles covalently bonded with phenolphthalein. Dyes and Pigments, 2015, 113, 274-279. | 3.7 | 5 |
| 26 | Effects of the alkyl group in (dialkylamino)perfluorophenazines on the melting point and fluorescence properties. RSC Advances, 2014, 4, 59387-59396. | 3.6 | 7 |
| 27 | Solvatochromic Fluorescence Properties of Pyrazineâ€²Boron Complex Bearing a 1²-Iminoenolate Ligand. Journal of Physical Chemistry A, 2014, 118, 8717-8729. | 2.5 | 65 |
| 28 | Performance of new single rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. Solar Energy Materials and Solar Cells, 2014, 128, 313-319. | 6.2 | 12 |
| 29 | Liquid 2-Pyridinium Styryl Dyes having Oxaalkyl Units. Journal of the Japan Society of Colour Material, 2014, 87, 187-191. | 0.1 | 5 |
| 30 | Survey of co-adsorbent for DN350 in zinc oxide dye-sensitized solar cell. Dyes and Pigments, 2013, 99, 829-832. | 3.7 | 4 |
| 31 | Application of novel N-(p-phenylene)-dicyanovinylidene double rhodanine indoline dye for zinc oxide dye-sensitized solar cell. Dyes and Pigments, 2013, 96, 614-618. | 3.7 | 13 |
| 32 | Solid-state fluorescence of pyridinium styryl dyes. Dyes and Pigments, 2013, 99, 916-923. | 3.7 | 17 |
| 33 | Solid-state fluorescence of 6-aryl-9-(dibutylamino)benzo[a]phenoxazin-5-ones. Tetrahedron, 2013, 69, 3410-3414. | 1.9 | 4 |
| 34 | Synthesis and Fluorescence Properties of Pyrimidine Mono- and Bisboron Complexes. Journal of Organic Chemistry, 2013, 78, 7058-7067. | 3.2 | 100 |
| 35 | Synthesis and Fluorescence Properties of Thiazoleâ€²Boron Complexes Bearing a 1²-Ketoiminate Ligand. Organic Letters, 2012, 14, 4682-4685. | 4.6 | 135 |
| 36 | Organic dyes containing fluorene-substituted indoline core for zinc oxide dye-sensitized solar cell. RSC Advances, 2012, 2, 2721. | 3.6 | 62 |

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|----|---|------|-----------|
| 37 | Fluorescence properties of indolenine semi-squarylium dyes. <i>Tetrahedron</i> , 2012, 68, 9936-9941. | 1.9 | 17 |
| 38 | Solid-state fluorescence of squarylium dyes. <i>Tetrahedron</i> , 2012, 68, 1931-1935. | 1.9 | 25 |
| 39 | N-(2-Alkoxyphenyl)-substituted double rhodanine indoline dyes for zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2012, 68, 4286-4291. | 1.9 | 13 |
| 40 | Synthesis of a novel heptamethineâ€“cyanine dye for use in near-infrared active dye-sensitized solar cells with porous zinc oxide prepared at low temperature. <i>Energy and Environmental Science</i> , 2011, 4, 2186. | 30.8 | 64 |
| 41 | Synthesis and Fluorescence Properties of Novel Pyrazineâ€“Boron Complexes Bearing a Î²-Iminoketone Ligand. <i>Organic Letters</i> , 2011, 13, 6544-6547. | 4.6 | 125 |
| 42 | Comparison of performance between benzoindoline and indoline dyes in zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2011, 91, 145-152. | 3.7 | 37 |
| 43 | Highly efficient new indoline dye having strong electron-withdrawing group for zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2011, 67, 6289-6293. | 1.9 | 50 |
| 44 | X-ray Crystallography of D149 Ethyl Ester. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 709-711. | 3.2 | 13 |
| 45 | Fluorescence properties of novel 6-butyl-2,3-dicyano-7-methyl-6H-1,4-diazepine styryl dyes containing ethyleneglycol units. <i>Tetrahedron</i> , 2010, 66, 9396-9400. | 1.9 | 7 |
| 46 | Highly efficient substituted triple rhodanine indoline dyes in zinc oxide dye-sensitized solar cell. <i>Tetrahedron</i> , 2010, 66, 7405-7410. | 1.9 | 33 |
| 47 | Strategy for the increasing the solid-state fluorescence intensity of pyrrometheneâ€“BF ₂ complexes. <i>Tetrahedron Letters</i> , 2010, 51, 6195-6198. | 1.4 | 86 |
| 48 | Substituent effects in a double rhodanine indoline dye on performance of zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2010, 86, 143-148. | 3.7 | 40 |
| 49 | Synthesis and Fluorescence Properties of a Pyridometheneâ€“BF ₂ Complex. <i>Organic Letters</i> , 2010, 12, 4010-4013. | 4.6 | 106 |
| 50 | Electrodeposition of Inorganic/Organic Hybrid Thin Films. <i>Advanced Functional Materials</i> , 2009, 19, 17-43. | 14.9 | 315 |
| 51 | Near-infrared solid-state fluorescent naphthooxazine dyes attached with bulky dibutylamino and perfluoroalkenyloxy groups at 6- and 9-positions. <i>Tetrahedron Letters</i> , 2009, 50, 1131-1135. | 1.4 | 31 |
| 52 | Red solid-state fluorescent aminoperfluorophenazines. <i>Tetrahedron Letters</i> , 2009, 50, 5047-5049. | 1.4 | 25 |
| 53 | The use of indoline dyes in a zinc oxide dye-sensitized solar cell. <i>Dyes and Pigments</i> , 2009, 80, 233-238. | 3.7 | 68 |
| 54 | The relationship between solid-state fluorescence intensity and molecular packing of coumarin dyes. <i>Dyes and Pigments</i> , 2009, 82, 258-267. | 3.7 | 89 |

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|----|---|-----|-----------|
| 55 | Novel thiophene-conjugated indolinedyes for zinc oxide solar cells. <i>New Journal of Chemistry</i> , 2009, 33, 93-101. | 2.8 | 111 |
| 56 | Survey of Liquid Coumarin Dyes and Their Fluorescence Properties. <i>Chemistry Letters</i> , 2009, 38, 162-163. | 1.3 | 15 |
| 57 | Design and Synthesis of Near-infrared-active Heptamethineâ€“Cyanine Dyes to Suppress Aggregation in a Dye-sensitized Porous Zinc Oxide Solar Cell. <i>Chemistry Letters</i> , 2008, 37, 176-177. | 1.3 | 33 |
| 58 | Electronic States of a 2,3-Dicyanopyrazine Dye in Vacuum-deposited Films. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 472, 105/[495]-112/[502]. | 0.9 | 2 |
| 59 | Substituent Effect of 2,3-Dicyanopyrazine Dyes on Solid-State Fluorescence. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 799-805. | 3.2 | 22 |
| 60 | Application of semisquaric acids as sensitizers for zinc oxide solar cell. <i>Dyes and Pigments</i> , 2006, 70, 48-53. | 3.7 | 30 |
| 61 | Optical Properties of Novel 2,3-Dicyano-5-methyl-6H-1,4-diazepine Dyes in the Solid State. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1167-1173. | 3.2 | 31 |
| 62 | Application of near-infrared absorbing heptamethine cyanine dyes as sensitizers for zinc oxide solar cell. <i>Synthetic Metals</i> , 2005, 148, 147-153. | 3.9 | 64 |
| 63 | Fluorescence Spectra of 6-Substituted 2,3-Dicyano-5-[4-(diethylamino)styryl]-7-methyl-6H-1,4-diazepines in Solid State. <i>Chemistry Letters</i> , 2004, 33, 170-171. | 1.3 | 9 |
| 64 | Technical Note: 100% Ozone-treatment System of Bath Water. <i>Ozone: Science and Engineering</i> , 2003, 25, 345-349. | 2.5 | 0 |
| 65 | TiO ₂ -photocatalyzed Reaction of Azobenzenes to Form 3, 4-Diaryl-1, 3, 4-oxadiazolidines. <i>Journal of the Japan Society of Colour Material</i> , 2002, 75, 106-110. | 0.1 | 2 |
| 66 | Synthesis of 2-Aryl-2H-indazoles by TiO ₂ -Photocatalyzed Reaction of Alkoxyazobenzenes. <i>Journal of the Japan Society of Colour Material</i> , 2002, 75, 61-65. | 0.1 | 0 |
| 67 | Preparation of 2-Alkyiquinolines by TiO ₂ -photocatalyzed Reaction of Arylamines in Alcohols. <i>Journal of the Japan Society of Colour Material</i> , 2002, 75, 319-323. | 0.1 | 0 |
| 68 | Synthesis, structure, and UVâ€“VIS absorption spectra of azo dyes derived from (dialkylamino)thiazole dimersâ€“â€“. <i>Perkin Transactions II RSC</i> , 2001, , 379-387. | 1.1 | 23 |
| 69 | Efficient and convenient entry to 2-hydroxy-2-trifluoromethyl-2-substituted ketones and 2,6-disubstituted 4-trifluoromethylpyridines based on the reaction of trifluoromethyl ketones with enamines or imines. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2578-2582. | 1.3 | 15 |
| 70 | Negative solvatochromism of azo dyes derived from (dialkylamino)thiazole dimers. <i>Chemical Communications</i> , 2000, , 753-754. | 4.1 | 28 |
| 71 | Simple and Efficient Generation of α -Fluoromalonaldehyde from Fluorinated Enol Sulfonate and Its Reaction with Acyl Chlorides Leading to (Z)- β -Acyloxy- α -fluoroacrylaldehydesâ€“. <i>Journal of Organic Chemistry</i> , 2000, 65, 606-609. | 3.2 | 6 |
| 72 | Polyfunctional Thiazolylazo Second-order Nonlinear Optical Chromophores. <i>Journal of the Japan Society of Colour Material</i> , 1999, 72, 150-155. | 0.1 | 0 |

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|----|--|-----|-----------|
| 73 | Temporal Stability of Azo Secondorder Nonlinear Optical Chromophores Linked with Perfluorocyclopentenyl Moiety. Journal of the Japan Society of Colour Material, 1999, 72, 489-493. | 0.1 | 0 |
| 74 | A new expedient route to 2,6-diaryla-3-cyano-4-(trifluoromethyl)pyridines. Journal of Heterocyclic Chemistry, 1998, 35, 805-810. | 2.6 | 33 |
| 75 | Synthesis and Properties of Novel Dichroic Disazo Dyes Containing the Tetrafluoro-p-phenylene Moiety for Guest-Host Liquid Crystal Displays. Chemistry of Materials, 1998, 10, 1921-1930. | 6.7 | 17 |
| 76 | Second-Order Optical Nonlinearity of Novel Methacrylate Polymer with Pendant Disazo Dye Chromophore Containing a Perfluorobutylsulfonyl Group. Polymer Journal, 1997, 29, 184-187. | 2.7 | 10 |
| 77 | Second-Order Optical Nonlinearities in Perfluoroalkylsulfonyl Substituted Azo Dyes. Molecular Crystals and Liquid Crystals, 1995, 267, 83-88. | 0.3 | 2 |
| 78 | Synthesis, Absorption Spectra, and Photostability of Triarylmethane Dye Ethnylogues Containing Trifluoromethyl Group(s). Chemische Berichte, 1994, 127, 1627-1632. | 0.2 | 24 |
| 79 | Degradation of Crystal violet by Nocardia corallina. Applied Microbiology and Biotechnology, 1993, 38, 565. | 3.6 | 73 |
| 80 | Synthesis of 4,6-disubstituted 2-methylpyridines and their 3-carboxamides. Journal of Heterocyclic Chemistry, 1993, 30, 277-281. | 2.6 | 21 |
| 81 | Preparation and properties of polyacetylene membranes substituted with trifluoromethylated heterocyclic groups. Polymer Bulletin, 1992, 28, 293-299. | 3.3 | 11 |
| 82 | Synthesis and photochemical reaction of 1,4-dialkyl-7-oxa-2,3,5,6-tetrakis(trifluoromethyl)bicyclohepta-2,5-diene. Journal of Heterocyclic Chemistry, 1992, 29, 113-116. | 2.7 | 21 |
| 83 | Synthesis, Fluorescence, and Photostabilities of 3-(Perfluoroalkyl)coumarins. Chemische Berichte, 1992, 125, 467-471. | 0.2 | 33 |
| 84 | Synthesis of 3-cyano-2-methylpyridines substituted with heteroaromatics. Journal of Heterocyclic Chemistry, 1991, 28, 161-165. | 2.6 | 19 |
| 85 | Synthesis of 2,5-diethyl-3,4-bis(trifluoromethyl)furan and its derivatives. Journal of Heterocyclic Chemistry, 1991, 28, 225-229. | 2.6 | 19 |
| 86 | Dye-fibre bond stabilities of dyeings of bifunctional reactive dyes containing a monochlorotriazine and a -hydroxyethylsulphone sulphuric acid ester group. Coloration Technology, 1988, 104, 425-431. | 0.1 | 39 |
| 87 | Ozone fading of phenolphthalein and aurin. Coloration Technology, 1988, 104, 482-486. | 0.1 | 3 |
| 88 | OZONATION OF ANTHRAQUINONES. Journal of Fiber Science and Technology, 1984, 40, T402-T405. | 0.0 | 3 |
| 89 | THE INITIAL OZONATION PRODUCTS OF AURAMINE O IN WATER. Journal of Fiber Science and Technology, 1983, 39, T133-T136. | 0.0 | 1 |
| 90 | OZONATION OF DYES. Journal of Fiber Science and Technology, 1981, 37, T381-T383. | 0.0 | 2 |

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|----|--|-----|-----------|
| 91 | DECOLORING OF WATER-SOLUBLE AZO DYES BY OZONE. Journal of Fiber Science and Technology, 1978, 34, T181-T186. | 0.0 | 0 |