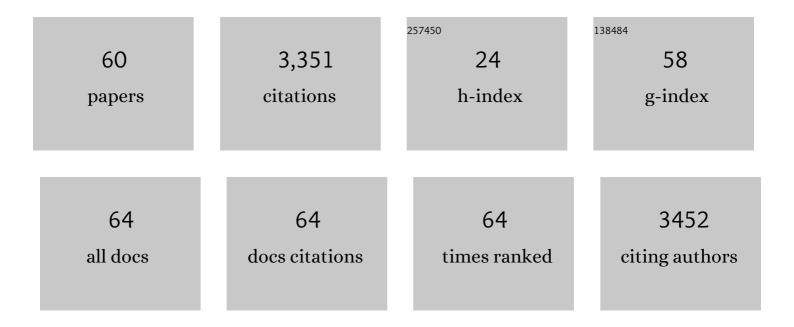
Toshiki Mutai

List of Publications by Year in descending order

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Τοςμικι Μυτλι

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Organic soft crystals exhibiting spontaneously reversible mechano-responsive luminescence. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2022, 51, 100479. | 11.6 | 14 |
| 2 | Time-Resolved X-ray Crystallography Using Synchrotron Radiation. Nihon Kessho Gakkaishi, 2021, 63, 24-30. | 0.0 | 0 |
| 3 | Computational Investigation on ESIPT-driven Luminescence of Imidazo[1,2-a]pyridine Derivatives Regulated by Inter/Intramolecular Hydrogen bonding. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 409, 113140. | 3.9 | 2 |
| 4 | A superelastochromic crystal. Nature Communications, 2020, 11, 1824. | 12.8 | 61 |
| 5 | Luminescent Crystal–Control of Excited-State Intramolecular Proton Transfer (ESIPT) Luminescence Through Polymorphism. , 2020, , 271-298. | | 1 |
| 6 | Photochromism of salicylideneanilines bearing super bulky substituents: Single-crystal UV-vis spectroscopic examination of bleaching under variable temperature and visible-light irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 385, 112096. | 3.9 | 11 |
| 7 | Aggregation-induced emission effect on turn-off fluorescent switching of a photochromic diarylethene. Beilstein Journal of Organic Chemistry, 2019, 15, 2204-2212. | 2.2 | 7 |
| 8 | Halogen-substituent effect on the spectroscopic properties of 2-phenyl-6-dimethylaminobenzothiazoles. Tetrahedron Letters, 2019, 60, 1702-1705. | 1.4 | 3 |
| 9 | Excited-State Intramolecular Proton-Transfer Process of Crystalline 6-Cyano-2-(2′-hydroxyphenyl)imidazo[1,2 <i>a</i>]pyridine, as Revealed by Femtosecond Pump–Probe Microspectroscopy. Journal of Physical Chemistry C, 2019, 123, 11224-11232. | 3.1 | 14 |
| 10 | Development of Imidazo[1,2- <i>a</i>]pyridine Derivatives with an Intramolecular Hydrogen-Bonded Seven-Membered Ring Exhibiting Bright ESIPT Luminescence in the Solid State. Organic Letters, 2019, 21, 2143-2146. | 4.6 | 34 |
| 11 | Spectroscopic properties of push-pull 2-(4-carboxyphenyl)-6-dimethylaminobenzothiazole derivatives in solution and the solid state. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 376, 324-332. | 3.9 | 3 |
| 12 | Re-evaluation of the <i>tert</i> -Butyl Method in Crystal Engineering of Salicylideneanilines by Simultaneous Observation of Photochromism and Thermochromism in Single Crystals. Crystal Growth and Design, 2019, 19, 1384-1390. | 3.0 | 19 |
| 13 | Improvement of the Cycle Property of Binder-Free LiCoO ₂ Positive Electrode Film Deposited via the Pulsed Electrophoretic Deposition. Materials Transactions, 2019, 60, 2576-2579. | 1.2 | 3 |
| 14 | Dinuclear fused salen complexes of group-10 metals: Peculiarity of the crystal structure and near-infrared luminescence of a bis(Pt-salen) complex. Inorganica Chimica Acta, 2017, 461, 27-34. | 2.4 | 12 |
| 15 | Synthesis and Properties of Salicylaldehydes Fineâ€ī uned by Modular Assembly using "Plugâ€andâ€Socketâ€â€ī ype Extendibility. Chemistry - A European Journal, 2017, 23, 8286-8294. | 3.3 | 4 |
| 16 | Systematic investigations on fused π-system compounds of seven benzene rings prepared by photocyclization of diphenanthrylethenes. Photochemical and Photobiological Sciences, 2017, 16, 925-934. | 2.9 | 17 |
| 17 | Excited-State Intramolecular Proton Transfer and Global Aromaticity. Journal of Physical Chemistry A, 2017, 121, 151-161. | 2.5 | 35 |
| 18 | Effects of interaction between the chelate rings and π onjugated systems in fused salphen complexes on UVâ€Visâ€NIR spectra. Journal of Physical Organic Chemistry, 2017, 30, e3635. | 1.9 | 3 |

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|----|--|-----|-----------|
| 19 | The development of aryl-substituted 2-phenylimidazo[1,2-a]pyridines (PIP) with various colors of excited-state intramolecular proton transfer (ESIPT) luminescence in the solid state. Journal of Materials Chemistry C, 2016, 4, 3599-3606. | 5.5 | 33 |
| 20 | A comparative study of the electronic spectra, fluorescence quantum yields, cyclic voltammograms and theoretical calculations of phenanthrene-type benzodifurans. Tetrahedron, 2016, 72, 4159-4168. | 1.9 | 6 |
| 21 | Effects of a semiflexible linker on the mechanochromic photoluminescence of bis(Pt-salen) complex. Polyhedron, 2016, 113, 123-131. | 2.2 | 14 |
| 22 | Solid-State Characterization of a Fused Salphen–Nickel Metallopolymer Prepared via Transmetalation in a Heterogeneous Reaction System. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 906-911. | 3.7 | 2 |
| 23 | Triarylmethane dye-conjugated hexanuclear zinc complexes: Photophysical properties and cyanide anion-binding behavior. Dyes and Pigments, 2015, 121, 372-378. | 3.7 | 3 |
| 24 | Packing-directed tuning and switching of organic solid-state luminescence. Photochemistry, 2015, , 191-225. | 0.2 | 12 |
| 25 | Three-color polymorph-dependent luminescence: crystallographic analysis and theoretical study on excited-state intramolecular proton transfer (ESIPT) luminescence of cyano-substituted imidazo[1,2-a]pyridine. CrystEngComm, 2014, 16, 3890-3895. | 2.6 | 58 |
| 26 | Spontaneous helical folding of bis(Ni-salphen) complexes in solution and in the solid state: spectroscopic tracking of the unfolding process induced by Na+ ions. Dalton Transactions, 2014, 43, 5899. | 3.3 | 8 |
| 27 | Colorless, Transparent, Dye-Doped Polymer Films Exhibiting Tunable Luminescence Color: Controlling the Dual-Color Luminescence of 2-(2′-Hydroxyphenyl)imidazo[1,2- <i>a</i>]pyridine Derivatives with the Surrounding Matrix. ACS Applied Materials & Interfaces, 2014, 6, 16065-16070. | 8.0 | 66 |
| 28 | Influence of intermolecular interactions on solid state luminescence of imidazopyridines: theoretical interpretations using FMO-TDDFT and ONIOM approaches. Physical Chemistry Chemical Physics, 2014, 16, 14388. | 2.8 | 19 |
| 29 | Spectroscopic Tracking of Schiff Base Compounds' Hydrogen Bonding Reorganization Associated with Solid-to-Solid Phase Transition. Journal of Physical Chemistry A, 2014, 118, 6979-6984. | 2.5 | 1 |
| 30 | Sterically induced polymorphism: ON–OFF control of excited-state intramolecular proton transfer (ESIPT) luminescence of 1-methyl-2-(2′-hydroxyphenyl)benzimidazole. CrystEngComm, 2013, 15, 10179. | 2.6 | 33 |
| 31 | Tuning of Excited-State Intramolecular Proton Transfer (ESIPT) Fluorescence of Imidazo[1,2- <i>a</i>]pyridine in Rigid Matrices by Substitution Effect. Journal of Organic Chemistry, 2013, 78, 2482-2489. | 3.2 | 178 |
| 32 | Mechanochromic luminescent liquid crystals based on a bianthryl moiety. Journal of Materials Chemistry C, 2013, 1, 2648. | 5.5 | 82 |
| 33 | Propylamino-connected fluorescent terpyridine dimer and trimer: syntheses, photophysical properties and formation of duplex-type complexes with Cd(ii). Organic and Biomolecular Chemistry, 2012, 10, 8895. | 2.8 | 4 |
| 34 | Excited-State Intramolecular Proton Transfer (ESIPT) Emission of Hydroxyphenylimidazopyridine: Computational Study on Enhanced and Polymorph-Dependent Luminescence in the Solid State. Journal of Physical Chemistry A, 2012, 116, 12041-12048. | 2.5 | 91 |
| 35 | Solid-state luminescence of tetraphenylpyrene derivatives: mechano/vapochromic luminescence of 1,3,6,8-tetra(4′-carboxyphenyl)pyrene. Journal of Materials Chemistry, 2012, 22, 20065. | 6.7 | 36 |
| 36 | Fabrication of Colorless Organic Materials Exhibiting White Luminescence Using Normal and Excited-State Intramolecular Proton Transfer Processes. ACS Applied Materials & Interfaces, 2011, 3, 654-657. | 8.0 | 125 |

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|----|--|---------------|-----------|
| 37 | Piezochromic luminescence of amide and ester derivatives of tetraphenylpyrene—role of amide hydrogen bonds in sensitive piezochromic response. Journal of Materials Chemistry, 2011, 21, 8347. | 6.7 | 105 |
| 38 | A Stimuliâ€Responsive, Photoluminescent, Anthraceneâ€Based Liquid Crystal: Emission Color Determined by Thermal and Mechanical Processes. Advanced Functional Materials, 2009, 19, 1869-1875. | 14.9 | 241 |
| 39 | Switching of Polymorphâ€Dependent ESIPT Luminescence of an Imidazo[1,2â€ <i>a</i>]pyridine Derivative. Angewandte Chemie - International Edition, 2008, 47, 9522-9524. | 13.8 | 375 |
| 40 | Locking of Helicity and Shape Complementarity in Diarylethene Dimers on Graphite. Journal of the American Chemical Society, 2008, 130, 386-387. | 13.7 | 27 |
| 41 | Fluorescent Oligopyridines and their Photo-Functionality as Tunable Fluorophores. Current Organic Chemistry, 2007, 11, 195-211. | 1.6 | 13 |
| 42 | Material Design for Piezochromic Luminescence:Â Hydrogen-Bond-Directed Assemblies of a Pyrene Derivative. Journal of the American Chemical Society, 2007, 129, 1520-1521. | 13.7 | 582 |
| 43 | Tuning of fluorescence properties of aminoterpyridine fluorophores by N-substitution. Organic and Biomolecular Chemistry, 2007, 5, 2762. | 2.8 | 21 |
| 44 | Preparation of a series of novel fluorophores, N-substituted 6-amino and 6,6″-diamino-2,2′:6′,2″-terpyridine by palladium-catalyzed amination. Tetrahedron Letters, 2006, 47, 5079-5082. | 1.4 | 18 |
| 45 | Highly Stable Host–Guest Photorefractive Polymer Composite with Low Glass Transition Temperature. Japanese Journal of Applied Physics, 2006, 45, 102-106. | 1.5 | 9 |
| 46 | Reproducible on–off switching of solid-state luminescence by controlling molecular packing through heat-mode interconversion. Nature Materials, 2005, 4, 685-687. | 27.5 | 489 |
| 47 | Temperature Dependence of Photorefractive Properties of PVK-based Composites. Japanese Journal of Applied Physics, 2004, 43, 8316-8321. | 1.5 | 10 |
| 48 | A distance-controlled oligopeptide linker as a novel photo-induced energy transfer switch by secondary structural transition. Chemical Communications, 2003, , 742-743. | 4.1 | 8 |
| 49 | Photo-induced energy transfer and its switching in dyad and triad chromophore systems composed of coumarin, Ru(ii) and Os(ii) terpyridine-type complexesElectronic supplementary information (ESI) available: 1H NMR and ES mass spectra of the new dyad and triad coumarin-containing complexes, (C151)2-Os, (C151)2-Ru-ph-Os and (C151)2-Ru-azo-Os and the emission spectra of (C151)2-tpy and (C151)2-Os. | 3.3 | 38 |
| 50 | Synthesis and properties of an efficient and switchable photosensitizing unit, 1537-1544. [Ru(4,4′-diphenyl-2,2′-bipyridine)2(7-amino-dipyrido[3,2-a:2′,3′-c]phenazine)]2+, for a photo-induced of transfer systemElectronic supplementary information (ESI) available: time-resolved emission decay curves of Ru(Ph)-NHCO-Os and Ru-NHCO-Os. See http://www.rsc.org/suppdata/dt/b2/b211225f/. Dalton | energy 3.3 | 18 |
| 51 | Transactions, 2003, , 815-821. Structural Design of Nonlinear optical Chromophores for High-Performance Photorefractive Polymers. Japanese Journal of Applied Physics, 2003, 42, 2699-2704. | 1.5 | 13 |
| 52 | 6-Amino-2,2′:6′,2″-terpyridines as highly fluorescent compounds—effect of the number of pyridine rings on fluorescence properties. Perkin Transactions II RSC, 2002, , 862-865. | 1.1 | 27 |
| 53 | Phenyl-substituted 2,2′:6′,2″-terpyridine as a new series of fluorescent compounds—their photophysical properties and fluorescence tuning. Perkin Transactions II RSC, 2001, , 1045-1050. | 1.1 | 102 |
| 54 | [Ru(bpy)2(dppz-NH2)]2+Complex (dppz-NH2: 7-Amino-dipyrido[3,2-a: 2′,3′-c]phenazine) as a Useful Photosensitizing Unit for the Construction of Photoinduced Energy Transfer Systems. Bulletin of the Chemical Society of Japan, 2000, 73, 2051-2058. | 3.2 | 15 |

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|----|---|-----|-----------|
| 55 | A novel fluorescent 2,2′-bipyridine derivative prepared by coupling to a fluorescent aminophenazineâ€â€"â€fluorescence properties and response toward various cations. Perkin Transactions II RSC, 2000, , 243-247. | 1.1 | 19 |
| 56 | Substituent Effects on Fluorescent Properties of Imidazo[1,2-a]pyridine-Based Compounds. Bulletin of the Chemical Society of Japan, 1999, 72, 1327-1334. | 3.2 | 78 |
| 57 | Design of a fluorescent host for monitoring multiple hydrogen-bonding interaction directly by intramolecular charge-transfer emission. Journal of the Chemical Society Perkin Transactions II, 1998, 1391-1396. | 0.9 | 8 |
| 58 | Efficient S1-S1Radiationless Energy Transfer in Solid Cyclohexane and 1,4-Dioxane Solutions at Unusually Low Concentration. Chemistry Letters, 1997, 26, 731-732. | 1.3 | 0 |
| 59 | A novel bipyridine-based fluorescent host for diphenyl phosphate: affinity, photo-response and mechanism. Journal of the Chemical Society Perkin Transactions II, 1997, , 1805-1810. | 0.9 | 12 |
| 60 | 6-Amino-2,2′-bipyridine as a new fluorescent organic compound. Journal of the Chemical Society Perkin Transactions II, 1996, , 613-617. | 0.9 | 34 |