Tetsuya Nakagawa

List of Publications by Year
in descending order

36 papers	3,817 citations	257101 24 h-index	377514 34 g-index
38 all docs	38 docs citations	38 times ranked	3470 citing authors

#	Article	IF	Citations
1	Enhanced Electroluminescence Efficiency in a Spiroâ€Acridine Derivative through Thermally Activated Delayed Fluorescence. Angewandte Chemie - International Edition, 2012, 51, 11311-11315.	7.2	495
2	Highly Efficient Organic Lightâ€Emitting Diode Based on a Hidden Thermally Activated Delayed Fluorescence Channel in a Heptazine Derivative. Advanced Materials, 2013, 25, 3319-3323.	11.1	436
3	Electroluminescence based on thermally activated delayed fluorescence generated by a spirobifluorene donorâ€“acceptor structure. Chemical Communications, 2012, 48, 9580.	2.2	409
4	Systematic Conversion of Single Walled Carbon Nanotubes into n-type Thermoelectric Materials by Molecular Dopants. Scientific Reports, 2013, 3, 3344.	1.6	320
5	Computational Prediction for Singlet- and Triplet-Transition Energies of Charge-Transfer Compounds. Journal of Chemical Theory and Computation, 2013, 9, 3872-3877.	2.3	312
6	High-efficiency deep-blue organic light-emitting diodes based on a thermally activated delayed fluorescence emitter. Journal of Materials Chemistry C, 2014, 2, 421-424.	2.7	259
7	A highly luminescent spiro-anthracenone-based organic light-emitting diode exhibiting thermally activated delayed fluorescence. Chemical Communications, 2013, 49, 10385-10387.	2.2	198
8	Recent progress of luminescent metal complexes with photochromic units. Coordination Chemistry Reviews, 2010, 254, 2643-2651.	9.5	185
9	Remarkable Luminescence Properties of Lanthanide Complexes with Asymmetric Dodecahedron Structures. Chemistry - A European Journal, 2011, 17, 521-528.	1.7	137
10	A dicarbazoleâ€“triazine hybrid bipolar host material for highly efficient green phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 3832.	6.7	116
11	Enhanced electroluminescence based on thermally activated delayed fluorescence from a carbazoleâ€“triazine derivative. Physical Chemistry Chemical Physics, 2013, 15, 15850.	1.3	115
12	Photochromism of Thiazole-Containing Triangle Terarylenes. European Journal of Organic Chemistry, 2007, 2007, 3212-3218.	1.2	89
13	Nondestructive luminescence intensity readout of a photochromic lanthanide(iii) complex. Chemical Communications, 2009, , 5630.	2.2	67
14	Photoresponsive Europium(III) Complex Based on Photochromic Reaction. Journal of Physical Chemistry A, 2008, 112, 5096-5103.	1.1	66
15	Thermally Activated Delayed Fluorescence from a Spiro-diazafluorene Derivative. Chemistry Letters, 2014, 43, 1017-1019.	0.7	62
16	Photochromic and fluorescence switching properties of oxidized triangle terarylenes in solution and in amorphous solid states. Journal of Materials Chemistry, 2011, 21, 17425.	6.7	60
17	Characteristic Structures and Photophysical Properties of Nineâ€Coordinate Europium(III) Complexes with Tandemâ€Connected Tridentate Phosphane Oxide Ligands. European Journal of Inorganic Chemistry, 2009, 2009, 4777-4785.	1.0	55
18	Brilliant Triboluminescence of a Lanthanide Coordination Polymer with Lowâ€Vibrationalâ€Frequency and Nonâ€Centrosymmetric Structural Networks. European Journal of Inorganic Chemistry, 2011, 2011, 4978-4984.	1.0	54

#	Article	IF	Citations
19	Reversible Luminescence Modulation in Photochromic Europium(III) Complex Having Triangle Terthiazole Ligands. Chemistry Letters, 2007, 36, 372-373.	0.7	53
20	Enhanced Near-Infrared Luminescence of Yb(III) Complexes with Phosphine Oxide and Hexafluoroacetylacetonate Ligands. Bulletin of the Chemical Society of Japan, 2011, 84, 148-154.	2.0	41
21	Gated Photochromic System of Diarylethene with a Photon-Working Key. Organic Letters, 2016, 18, 5042-5045.	2.4	31
22	Chirality and stereoselectivity in photochromic reactions. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2018, 34, 152-191.	5.6	28
23	Eu(iii) emission band changes caused by peripheral Câ€“H/O hydrogen bonding. Dalton Transactions, 2012, 41, 6634.	1.6	25
24	Photochromism of a spiro-functionalized diarylethene derivative: multi-colour fluorescence modulation with a photon-quantitative photocyclization reactivity. Chemical Communications, 2018, 54, 3207-3210.	2.2	22
25	Photo-patternable electroluminescence based on one-way photoisomerization reaction of tetraoxidized triangle terarylenes. Chemical Communications, 2013, 49, 6373.	2.2	20
26	Metalâ€Ion Sensing Europium(III) Complexes with Bidentate Phosphine Oxide Ligands Containing a 2,2â€²â€Bipyridine Framework. Helvetica Chimica Acta, 2009, 92, 2238-2248.	1.0	19
27	Syntheses and photochromic properties of diaryl acenaphthylene derivatives. Dyes and Pigments, 2011, 89, 297-304.	2.0	19
28	Allâ€Optical Fineâ€Tuning of Absorption Band of Diarylethene with Photochromic Acidâ€Generating Spiropyran. Advanced Optical Materials, 2016, 4, 1350-1353.	3.6	16
29	Weak acid triggers the ring opening of an otherwise long-lived triangle terthiazole closed isomer. New Journal of Chemistry, 2009, 33, 1386.	1.4	10
30	A thermoresponsive fluorophore based on a photochromic diarylethene having donorâ€“acceptor moieties. Chemical Communications, 2020, 56, 6492-6494.	2.2	10
31	On-Demand Chirality Transfer of Human Serum Albumin to Bis(thiophen-2-yl)hexafluorocyclopentenes through Their Photochromic Ring Closure. Journal of Organic Chemistry, 2021, 86, 12549-12558.	1.7	8
32	A photon-working on/off switch for intramolecular donorâ€“acceptor interactions and invisible modulation of the fluorescence. Photochemical and Photobiological Sciences, 2016, 15, 325-328.	1.6	6
33	Substrate induced catalysis: Deciphering the weak acid triggered bleaching of an angular terthiazole photochromic dye. Dyes and Pigments, 2011, 89, 271-277.	2.0	5
34	Organic Light-Emitting Diodes (OLEDs): Materials, Photophysics, and Device Physics. , 2015, , 43-73.		5
35	Photochromism: All-Optical Fine-Tuning of Absorption Band of Diarylethene with Photochromic Acid-Generating Spiropyran (Advanced Optical Materials 9/2016). Advanced Optical Materials, 2016, 4, 1314-1314.	3.6	0
36	Fluorescent Hydrogel Based on Self-assembling Acridonylalanine-phenylalanine. Chemistry Letters, 2022, 51, 687-689.	0.7	0