Yasushi Yokoyama

List of Publications by Year
in descending order

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113 papers	3,292 citations	159358 30 h-index	168136 53 g-index
117 all docs	117 docs citations	117 times ranked	1860 citing authors

#	Article	IF	Citations
1	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
2	Chiral, Thermally Irreversible and Quasiâ€Stealth Photochromic Dopant to Control Selective Reflection Wavelength of Cholesteric Liquid Crystal. ChemPhysChem, 2020, 21, 1343-1344.	1.0	2
3	Chiral, Thermally Irreversible and Quasiâ€Stealth Photochromic Dopant to Control Selective Reflection Wavelength of Cholesteric Liquid Crystal. ChemPhysChem, 2020, 21, 1375-1383.	1.0	7
4	A thermoresponsive fluorophore based on a photochromic diarylethene having donorâ€“acceptor moieties. Chemical Communications, 2020, 56, 6492-6494.	2.2	10
5	Click chemistry towards thermally reversible photochromic 4,5-bisthiazolyl-1,2,3-triazoles. Beilstein Journal of Organic Chemistry, 2019, 15, 2161-2169.	1.3	4
6	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
7	Photochromism and the fluorescence properties of bisbenzothienylethene and S,S,Sâ€™,Sâ€™-tetraoxide derivatives with dual conjugated fluorescent groups on their side chains. Photochemical and Photobiological Sciences, 2018, 17, 711-717.	1.6	2
8	Cycloreversion Reaction of a Fulgide Derivative in Higher Excited States Attained by Femtosecond Two-Photon Pulsed Excitation. Journal of Physical Chemistry C, 2018, 122, 24987-24995.	1.5	10
9	One-Step Synthesis and Stealth Photochromism of Arylbutadienes. Journal of Organic Chemistry, 2018, 83, 10695-10700.	1.7	5
10	Photocyclization of photoswitches with high enantioselectivity in human serum albumin in an artificial environment. Chemical Communications, 2017, 53, 3181-3184.	2.2	14
11	Allâ€Optical Fineâ€Tuning of Absorption Band of Diarylethene with Photochromic Acidâ€Generating Spiropyran. Advanced Optical Materials, 2016, 4, 1350-1353.	3.6	16
12	Gated Photochromic System of Diarylethene with a Photon-Working Key. Organic Letters, 2016, 18, 5042-5045.	2.4	31
13	Highly Sensitive Formation of Stable Surface Relief Structures in Bisanthracene Films with Spatially Patterned Photopolymerization. ACS Applied Materials & Interfaces, 2016, 8, 21974-21978.	4.0	12
14	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
15	Synthesis and photochromic properties of 4,5-bisaryl-3(2H)-pyridazinones. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 314, 164-170.	2.0	7
16	Substituent effects on the photochromic properties of 3,3-diphenyspiro[benzofluorenopyran-cyclopentaphenanthrene]s. Dyes and Pigments, 2015, 119, 95-107.	2.0	15
17	Solubility control of organic acid-base salts by photochromism. Dyes and Pigments, 2015, 114, 1-7.	2.0	5
18	NMR analysis of photochromism of bisthiazolylindenols. Tetrahedron Letters, 2013, 54, 6366-6369.	0.7	7

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19	Preparation and photochromic properties of 2,3-bisarylbenz[f]indenones. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 257, 50-53.	2.0	14
20	Enantioselective Photochromism of Diarylethenes in Human Serum Albumin. Chemistry - A European Journal, 2013, 19, 9434-9437.	1.7	25
21	Photo-triggered Surface Relief of Polystyrene Films- Highly Photo-sensitive Formation by the Addition of a Benzophenone Derivative. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 675-678.	0.1	6
22	Bisarylindenols: fixation of conformation leads to exceptional properties of photochromism based on 6Ï€-electrocyclization. Chemical Communications, 2012, 48, 11838.	2.2	47
23	Photochromic C2-Symmetric Chiral Diarylethene: From the Initial State to the Final State. Journal of Organic Chemistry, 2012, 77, 1853-1859.	1.7	26
24	Dual-mode fluorescence switching of photochromic bisthiazolylcoumarin. Chemical Communications, 2012, 48, 765-767.	2.2	59
25	Facile one-step photopatterning of polystyrene films. Polymer Journal, 2012, 44, 966-972.	1.3	31
26	Phototriggered micromanufacturing using photoresponsive amorphous spirooxazine films. Journal of Materials Chemistry, 2012, 22, 14410.	6.7	15
27	Photochromic behavior of a bisthienylethene bearing Cu(I)-1,10-phenanthroline complexes. Dyes and Pigments, 2012, 92, 861-867.	2.0	13
28	Highly diastereoselective photochromic ring closure of bisbenzothienylethenes possessing dual fluorinated stereocontrollers. Dyes and Pigments, 2011, 89, 223-229.	2.0	14
29	Synthesis of photochromic 2,3-bis(5-methyl-2-phenyl-4-thiazolyl)-1,4-naphthoquinone derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 219, 58-61.	2.0	16
30	Fast decoloration of spironaphthooxazine bound to a poly(dimethylsiloxane) network. Photochemical and Photobiological Sciences, 2010, 9, 162-171.	1.6	18
31	Ultimate diastereoselectivity in the ring closure of photochromic diarylethene possessing facial chirality. Chemical Communications, 2010, 46, 4785.	2.2	38
32	Photoinduced diffusive mass transfer in o-Cl-HABI amorphous thin films. Chemical Communications, 2010, 46, 2262.	2.2	27
33	A Unified Strategy for Exceptionally High Diastereoselectivity in the Photochemical Ring Closure of Chiral Diarylethenes. Angewandte Chemie - International Edition, 2009, 48, 4521-4523.	7.2	54
34	Structurally Versatile Novel Photochromic Bisarylindenone and Its Acetal: Achievement of Large Cyclization Quantum Yield. Organic Letters, 2009, 11, 3890-3893.	2.4	109
35	Chiral photochromism based on 6Ï€-electrocyclization. New Journal of Chemistry, 2009, 33, 1314.	1.4	22
36	Ultrafast laser spectroscopic study on photochromic cycloreversion dynamics in fulgide derivatives: one-photon and multiphoton-gated reactions. New Journal of Chemistry, 2009, 33, 1409.	1.4	32

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37	Reversible phototriggered micromanufacturing using amorphous photoresponsive spirooxazine film. Journal of Materials Chemistry, 2009, 19, 3373.	6.7	22
38	Diamantane: a thread stitching up photochromism and liquid crystals. Proceedings of SPIE, 2008, , .	0.8	1
39	Dendrimer diarylethenes: the memory effect of conformation in polymer matrices. Chemical Communications, 2008, , 5755.	2.2	18
40	Photoinduced Surface Relief Structures Formed on Polymer Films Mixed with Diarylethenes. Chemistry Letters, 2007, 36, 1224-1225.	0.7	21
41	Laser Multiphoton-Gated Photochromic Reaction of a Fulgide Derivative. Journal of Physical Chemistry C, 2007, 111, 2730-2737.	1.5	51
42	Chiral Helicenoid Diarylethene with Highly Diastereoselective Photocyclization1. Journal of Organic Chemistry, 2007, 72, 1639-1644.	1.7	46
43	Chiral Helicenoid Diarylethene with Large Change in Specific Optical Rotation by Photochromism1,2. Journal of Organic Chemistry, 2007, 72, 1634-1638.	1.7	78
44	Photoinduced surface relief structures formed on polymer films doped with photochromic spiropyrans. Journal of Physical Organic Chemistry, 2007, 20, 981-984.	0.9	46
45	Thermally reversible novel photochromic dihydroindoles. Journal of Physical Organic Chemistry, 2007, 20, 851-856.	0.9	3
46	Optical and electron paramagnetic resonance studies of the lowest excited triplet states of 1-phenyl-4-(4-pyridyl)butadiyne and its protonated cation. Chemical Physics Letters, 2006, 420, 261-266.	1.2	6
47	Negative Photochromism of a Spiropyran in a Langmuirâ€“Blodgett Film. Chemistry Letters, 2005, 34, 1622-1623.	0.7	11
48	Hetero-atom stabilization of zwitterionic non-KekulÃ© molecules: A DFT study on energy gaps between zwitterionic singlet and biradical triplet states. Computational and Theoretical Chemistry, 2005, 724, 215-219.	1.5	7
49	Novel Thermally Reversible Photochromic Compounds: Dihydrobenzothiophene and Dihydronaphthalene. Molecular Crystals and Liquid Crystals, 2005, 430, 53-58.	0.4	3
50	1,3-Bisarylbutadienes: Novel Thermally Irreversible Photochromic System. Molecular Crystals and Liquid Crystals, 2005, 431, 433-439.	0.4	3
51	Seasoning Materials Chemistry by Using a Well-Matured Organic Concept. Chemistry - A European Journal, 2004, 10, 4388-4394.	1.7	24
52	Reversible control of properties of materials by thermally irreversible photochromism. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 166, 9-18.	2.0	33
53	Diastereoselective Photochromism of Bisbenzothienylethenes with an Oxycarbonyl-Related Functional Group on the Side Chain. Journal of Organic Chemistry, 2004, 69, 8403-8406.	1.7	31
54	Thermally Reversible Photochromism of Pyrazole Derivatives. Chemistry Letters, 2004, 33, 106-107.	0.7	9

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55	Palladium-catalyzed carbonylation of 2-butyne-1,4-diol derivatives: formation of fulgide or lactone. Journal of Molecular Catalysis A, 2003, 197, 127-132.	4.8	8
56	Diastereoselective Photochromism of a Bisbenzothienylethene Governed by Steric as Well as Electronic Interactions. Journal of the American Chemical Society, 2003, 125, 7194-7195.	6.6	84
57	Photosublimation of the Novel Ï€-System Photoproduct of Ethyl-4-formyl-1,3-dimethylpyrazole-5-carboxylate. Journal of Physical Chemistry B, 2003, 107, 13554-13556.	1.2	1
58	Preparation and Photochromic Properties of Powder and Films of DNAâ€“Dodecyltrimethylammonium Ion Complex Containing Spiropyran Derivatives. Bulletin of the Chemical Society of Japan, 2003, 76, 2423-2429.	2.0	6
59	Synthesis of Novel Thermally Reversible Photochromic Spiro[adamantane-2,7â€²(6â€²H)-benzothiophene]. Bulletin of the Chemical Society of Japan, 2003, 76, 355-361.	2.0	14
60	Synthesis of Novel Thermally Irreversible Photochromic 1-Aryl-1,3-butadiene Derivatives. Bulletin of the Chemical Society of Japan, 2003, 76, 363-367.	2.0	33
61	Theoretical CD Spectrum Evaluation of the Indolylfulgide Molecules by Using Semi-Empirical Molecular Orbital Calculations. Bulletin of the Chemical Society of Japan, 2001, 74, 1101-1108.	2.0	11
62	Control of the Association of Indolylfulgimide with Bis(acylamino)pyridine by Photochromism. Bulletin of the Chemical Society of Japan, 2001, 74, 2181-2187.	2.0	13
63	Reversible Control of the Pitch of Cholesteric Liquid Crystals by Photochromism of Chiral Fulgide Derivatives. Bulletin of the Chemical Society of Japan, 2000, 73, 191-196.	2.0	79
64	Photochromism of (R)-Binaphthol-Condensed Benzofurylfulgide and Control of Properties. Molecular Crystals and Liquid Crystals, 2000, 344, 223-228.	0.3	7
65	Photochromism of Fulgenates Possessing Crown-Ether Moiety. Molecular Crystals and Liquid Crystals, 2000, 344, 265-270.	0.3	10
66	Photochromism and Kinetics of Heliochromic Benzothienylfulgides. Molecular Crystals and Liquid Crystals, 2000, 344, 253-258.	0.3	5
67	A Convenient and General Synthetic Method for Photochromic Fulgides by Palladium-Catalyzed Carbonylation of 2-Butyne-1,4-Diols. Molecular Crystals and Liquid Crystals, 2000, 344, 235-240.	0.3	7
68	Structure Effect on Photochromic Mechanism of Spirooxazines. Molecular Crystals and Liquid Crystals, 2000, 344, 151-156.	0.3	2
69	Optical Memory Effect by Interference of Multiple-Scattered Light in a Fluorescent Fulgide Derivative. Molecular Crystals and Liquid Crystals, 2000, 344, 205-210.	0.3	10
70	Fulgides for Memories and Switches. Chemical Reviews, 2000, 100, 1717-1740.	23.0	791
71	Electron paramagnetic resonance study on the triplet species produced from 2-nitrobiphenyl derivatives by UV irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 124, 53-65.	2.0	4
72	Photochromism of Fulgides Possessing Chiral Properties. Molecular Crystals and Liquid Crystals, 1997, 297, 85-91.	0.3	3

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73	Reversible Control of Pitch of Induced Cholesteric Liquid Crystal by Optically Active Photochromic Fulgide Derivatives. Chemistry Letters, 1997, 26, 687-688.	0.7	83
74	Perfect On/Off Switching of Emission of Fluorescence by Photochromic Reaction of a Binaphthol-Condensed Fulgide Derivative. Chemistry Letters, 1997, 26, 321-322.	0.7	51
75	Diastereoselective Photochromism of an (R)-Binaphthol-Condensed Indolylfulgide. Journal of the American Chemical Society, 1996, 118, 3100-3107.	6.6	92
76	Role of the Methoxy Substituents on the Photochromic Indolylfulgides. Absorption Maximumvs.Molar Absorption Coefficient of the Colored Form. Chemistry Letters, 1996, 25, 587-588.	0.7	11
77	Study on the Conformation of an Isopropyl-Substituted Furylfulgide. Photochromic Coloring Reaction and Thermal Racemization. Bulletin of the Chemical Society of Japan, 1996, 69, 1605-1612.	2.0	24
78	Trifluoromethyl-substituted Photochromic Indolylfulgide. A Remarkably Durable Fulgide towards Photochemical and Thermal Treatments. Chemistry Letters, 1996, 25, 1037-1038.	0.7	41
79	Photochromic Properties of Thermally Irreversible 6-Aryloxy-5,12-naphthacenequinones. Chemistry Letters, 1996, 25, 355-356.	0.7	11
80	Non-Radiative Relaxation of Photochromic Fulgide. Journal of the Physical Society of Japan, 1995, 64, 3522-3528.	0.7	3
81	Steric Effects of Substituents on the Photochromism of Indolylfulgides. Bulletin of the Chemical Society of Japan, 1995, 68, 1677-1682.	2.0	30
82	Negative Photochromism of 3,1â€²-Trimethylene-Bridged 6-Nitroindolinospiropyran. Chemistry Letters, 1995, 24, 71-72.	0.7	16
83	Electronic Effects of Substituents on Indole Nitrogen on the Photochromic Properties of Indolylfulgides. Bulletin of the Chemical Society of Japan, 1995, 68, 2961-2967.	2.0	20
84	Fulgenolides. Thermally Irreversible Photochromic Lactones with Large Quantum Yields of Photoreactions. Chemistry Letters, 1995, 24, 17-18.	0.7	6
85	Cyclic Fulgenates. Enlargement of Quantum Yield of Coloring Reaction of Photochromic Fulgenates. Chemistry Letters, 1995, 24, 479-480.	0.7	8
86	Synthesis and Photochromic Properties of Fulgides with at-Butyl Substituent on the Furyl- or Thienylmethylidene Moiety. Bulletin of the Chemical Society of Japan, 1995, 68, 616-619.	2.0	48
87	Optical resolution of a thermally irreversible photochromic indolylfulgide. Journal of the Chemical Society Chemical Communications, 1995, , 785.	2.0	22
88	Photochromism of Fulgides and Related Compounds. Molecular Crystals and Liquid Crystals, 1994, 246, 87-94.	0.3	20
89	Radiative and non-radiative decay processes of the excited state of the colored form of photochromic furylfulgide. Chemical Physics Letters, 1994, 220, 443-447.	1.2	11
90	Helical Chirality and Enantiotopomerization Process of a Photochromic Furylfulgide. Chemistry Letters, 1994, 23, 225-226.	0.7	15

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91	Application of Photochromic 5-Dimethylaminoindolylfulgide to Photon-Mode Erasable Optical Memory Media with Non-Destructive Readout Ability Based on Wavelength Dependence of Bleaching Quantum Yield. Chemistry Letters, 1994, 23, 1869-1872.	0.7	40
92	Effects of Steric Bulkiness of Substituents on Quantum Yields of Photochromic Reactions of Furylfulgides. Bulletin of the Chemical Society of Japan, 1994, 67, 3297-3303.	2.0	50
93	Fulgenates. A New Class of Fulgide-Related Thermally Irreversible Photochromic System. Chemistry Letters, 1994, 23, 749-752.	0.7	11
94	Doubly allylic strain - controlled diastereoselective intramolecular michael addition and a synthesis of (Â±)-iridomyrmecin in two steps.. Tetrahedron Letters, 1992, 33, 2823-2824.	0.7	29
95	Inter-molecular interaction of photochromic furylfulgide dispersed in a polymer film. Chemical Physics Letters, 1992, 198, 609-614.	1.2	10
96	Photochromism of a protonated 5-dimethylaminoindolylfulgide: a model of a non-destructive readout for a photon mode optical memory. Journal of the Chemical Society Chemical Communications, 1991, , 1722.	2.0	71
97	Synthesis and Photochromic Behavior of 5-Substituted Indolylfulgides. Chemistry Letters, 1991, 20, 1125-1128.	0.7	42
98	Diastereoselective Synthesis of 2,3-anti-5-Benzyloxy-2,4-dimethyl-1,3-pentanediols via Cyclic Hydroboration. Bulletin of the Chemical Society of Japan, 1991, 64, 2563-2565.	2.0	10
99	Stereospecific construction of three contiguous asymmetric centers via cyclic hydroboration. Tetrahedron Letters, 1991, 32, 1479-1482.	0.7	17
100	Steric Effect of Alkylidene Groups of Furylfulgides on the Photochromic Behavior. Chemistry Letters, 1990, 19, 263-264.	0.7	27
101	Photochromism of a Furylfulgide, 2-[1-(2,5-Dimethyl-3-furyl)ethylidene]-3-isopropylidenesuccinic Anhydride in Solvents and Polymer Films. Bulletin of the Chemical Society of Japan, 1990, 63, 1607-1610.	2.0	59
102	A(1,3)strain-Controlled Cyclic Hydroboration of 1,4- and 1,5-Dienes. Chemistry Letters, 1989, 18, 453-456.	0.7	14
103	Fulgides as Efficient Photochromic Compounds. Role of the Substituent on Furylalkylidene Moiety of Furylfulgides in the Photoreaction. Chemistry Letters, 1988, 17, 1049-1052.	0.7	65
104	Total synthesis of (+)-mikrolin. Tetrahedron Letters, 1987, 28, 3659-3662.	0.7	14
105	Total synthesis of dechloromikrolin: A structural reassignment with biosynthetic implications. Tetrahedron Letters, 1987, 28, 3663-3666.	0.7	13
106	Photoreaction ofN-Alkylamides Containing Iron(III) Chloride by Monochromatic Light. Bulletin of the Chemical Society of Japan, 1986, 59, 2917-2919.	2.0	3
107	CHIRALITY TRANSFER DURING CYCLOBUTYLâ€“CYCLOPROPYLMETHYLâ€“HOMOALLYL CATION REARRANGEMENT AND SYNTHESIS OF (â^')-ELDANOLIDE. Chemistry Letters, 1983, 12, 1245-1248.	0.7	21
108	Migrated Lupane Derivatives. Boron Trifluoride Etherate-catalyzed Backbone Rearrangement of 3Î±,4Î±- and 3Î²,4Î²-Epoxy-D:A-friedo-18Î²,19Î±H-lupanes and Solvent Effects. Bulletin of the Chemical Society of Japan, 1981, 54, 234-239.	2.0	9

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109	BORON TRIFLUORIDE ETHERATE-CATALYZED BACKBONE REARRANGEMENT OF 3Î±,4Î±- AND 3Î²,4Î²-EPOXY-D:A-FRIEDO-18Î²,19Î±H-LUPANES. Chemistry Letters, 1980, 9, 67-70.	0.7	2
110	Transformation ofD:A-Friedo-18Î²-lup-19-en-3-one intoD:B-Friedo-18Î²,19Î±H-lup-5-en-3Î²-ol and a Comment on the Structure of Guimarenol. Bulletin of the Chemical Society of Japan, 1980, 53, 2971-2976.	2.0	2
111	Revised structures of cymbopogone and cymbopogonol. Tetrahedron Letters, 1980, 21, 3701-3702.	0.7	12
112	Synthesis ofD:A-Friedo-18Î²-lupane Derivatives. Bulletin of the Chemical Society of Japan, 1979, 52, 1720-1722.	2.0	6
113	SYNTHESIS OF D:A-FRIEDO-18Î²,19Î±H-LUPAN-3-ONE AND D:B-FRIEDO-18Î²,19Î±H-LUP-5-EN-3Î²-OL AND A COMMENT ON THE STRUCTURE OF GUIMARENOL. Chemistry Letters, 1979, 8, 1463-1466.	0.7	2