

# Yuji Kawanishi

## List of Publications by Year in descending order

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70  
papers

1,784  
citations

279798

23  
h-index

276875

41  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1505  
citing authors

#	ARTICLE	IF	CITATIONS
1	"Command surfaces" of Langmuir-Blodgett films. Photoregulations of liquid crystal alignment by molecularly tailored surface azobenzene layers. <i>Langmuir</i> , 1993, 9, 211-218.	3.5	283
2	Photochemical induction and modulation of nematic homogeneous alignment by the polarization photochromism of surface azobenzenes. <i>Langmuir</i> , 1992, 8, 2601-2604.	3.5	117
3	Dependence of spectroscopic, electrochemical, and excited-state properties of tris chelate ruthenium(II) complexes on ligand structure. <i>Inorganic Chemistry</i> , 1989, 28, 2968-2975.	4.0	95
4	Photochemical alignment regulation of a nematic liquid crystal by Langmuir-Blodgett layers of azobenzene polymers as "command surfaces". <i>Macromolecules</i> , 1989, 22, 3505-3506.	4.8	87
5	Syntheses and emission properties of novel violet-blue emissive aromatic bis(diazaborole)s. <i>Journal of Materials Chemistry</i> , 2002, 12, 2245-2249.	6.7	63
6	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1989, 10, 5-8.	1.1	61
7	Synthesis of a new class of cyclometallated ruthenium(II) complexes and their application in dye-sensitized solar cells. <i>Inorganic Chemistry Communication</i> , 2009, 12, 842-845.	3.9	60
8	Photoinduced electron transfer reactions of ruthenium(II) complexes. 2. Oxidative quenching of excited tris(2,2'-bipyridine)ruthenium(2+) by neutral organic electron acceptors. <i>The Journal of Physical Chemistry</i> , 1989, 93, 5757-5764.	2.9	56
9	Deuteration isotope effect on nonradiative transition of fac-tris (2-phenylpyridinato) iridium (III) complexes. <i>Chemical Physics Letters</i> , 2010, 491, 199-202.	2.6	49
10	A 2-quinolinecarboxylate-substituted ruthenium(II) complex as a new type of sensitizer for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2009, 362, 2519-2522.	2.4	42
11	Fluorescence Spectra for the Microcrystals and Thin Films of trans,trans,trans-1,6-Diphenyl-1,3,5-hexatrienes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 3376-3383.	2.6	40
12	Electrochemical, Spectroscopic, and Spectroelectrochemical Properties of Synthetically Useful Supramolecular Light Absorbers with Mixed Polyazine Bridging Ligands. <i>Inorganic Chemistry</i> , 1997, 36, 2861-2867.	4.0	39
13	Time-resolved emission spectra of tris(2,2'-bipyridine)ruthenium dichloride and cis-bis(2,2'-bipyridine)dicyanoruthenium at low temperature. <i>The Journal of Physical Chemistry</i> , 1986, 90, 1488-1491.	2.9	38
14	Spectroscopic and electrochemical studies on ruthenium(II) complexes containing diazadiimine ligands. <i>Chemical Physics Letters</i> , 1983, 97, 103-106.	2.6	37
15	Nematic Homogeneous Alignment Regulated by the Polarization Photochromism of Surface Azobenzenes. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 218, 153-158.	0.3	35
16	Regulation of alignment of cyanobiphenyl liquid crystals by azobenzene molecular films. <i>Langmuir</i> , 1992, 8, 1014-1017.	3.5	35
17	P-Cyanoazobenzene as a command molecule for azimuthal anisotropy regulation of a nematic liquid crystal upon exposure to linearly polarized visible light. <i>Langmuir</i> , 1993, 9, 857-860.	3.5	33
18	Bell-shaped temperature dependence in quenching of excited Ru(bpy) <sub>3</sub> <sup>2+</sup> by an organic acceptor. <i>Journal of the American Chemical Society</i> , 1987, 109, 2506-2508.	13.7	29

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19	Reversible alignment change of liquid crystals induced by photochromic molecular films: Properties of azobenzene chromophores covalently attached to silica surfaces. <i>Liquid Crystals</i> , 1995, 19, 119-125.	2.2	28
20	Efficient Panchromatic Sensitization of Nanocrystalline TiO <sub>2</sub> -based Solar Cells Using 2-Pyridinecarboxylate-substituted Ruthenium(II) Complexes. <i>Chemistry Letters</i> , 2009, 38, 62-63.	1.3	28
21	Coulombic effect on photoinduced electron-transfer reactions between phenothiazines and viologens. <i>The Journal of Physical Chemistry</i> , 1986, 90, 2469-2475.	2.9	27
22	Reversible alignment change of nematic liquid crystals induced by photochromic molecular films. V. Some attempts to regulate alignment of nematic liquid crystals by various photochromic monolayers.. <i>Kobunshi Ronbunshu</i> , 1990, 47, 771-777.	0.2	25
23	Kinetic and Mechanistic Studies of Carbon-to-Metal Hydrogen Atom Transfer Involving Os-Centered Radicals: Evidence for Tunneling. <i>Journal of the American Chemical Society</i> , 2014, 136, 3572-3578.	13.7	25
24	Reversible alignment change of nematic liquid crystals by photochromic polymer films. <i>Polymers for Advanced Technologies</i> , 1990, 1, 311-318.	3.2	24
25	Modeling and Testing of Molecular Wire Sensors To Detect a Nucleic Acid Base. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3495-3504.	3.1	24
26	Backward electron transfers within geminate radical pairs formed by electron-transfer quenching of phosphorescent states of tris(2,2'-bipyrazine)ruthenium(II) and tris(4-methyl-2-(2'-pyridyl)pyrimidine)ruthenium(II). <i>The Journal of Physical Chemistry</i> , 1989, 93, 3546-3551.	2.9	23
27	Modulated photoregulation of liquid crystal alignment by azobenzene Langmuir-Blodgett layers: reversible alignment changes of liquid crystals induced by photochromic molecular films, Part 11. <i>Thin Solid Films</i> , 1992, 210-211, 836-838.	1.8	23
28	Liquid crystalline conjugated oligomers: synthesis and mesomorphic properties of laterally and terminally alkyl-substituted oligo(1,4-phenyleneethynylene)s. <i>Journal of Materials Chemistry</i> , 2008, 18, 4468.	6.7	23
29	Multifarious liquid crystalline textures formed on a photochromic azobenzene polymer film. <i>Langmuir</i> , 1991, 7, 1314-1315.	3.5	22
30	Reversible Alignment Change of Liquid Crystals Induced by Photochromic Molecular Films. <i>Japanese Journal of Applied Physics</i> , 1989, 28, 289.	1.5	20
31	Ruthenium (II) complexes with $\pi$ -expanded ligand having phenylene-ethynylene moiety as sensitizers for dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 729-732.	6.2	20
32	Microwave-Assisted Synthesis of Metal Complexes. <i>Mini-Reviews in Organic Chemistry</i> , 2011, 8, 315-333.	1.3	17
33	Problems of back electron transfer in electron transfer sensitization. <i>Journal of Photochemistry and Photobiology</i> , 1985, 29, 123-138.	0.6	16
34	Unexpected salt effects on charge separation yields in phenothiazine derivatives-methylviologen systems. <i>The Journal of Physical Chemistry</i> , 1986, 90, 6034-6037.	2.9	16
35	$\hat{\pm}$ -Hydrazono- $\hat{2}$ -keto Esters as Command Molecules. <i>Chemistry Letters</i> , 1992, 21, 543-546.	1.3	14
36	Laser-induced orientational change of nematic liquid crystalline molecules mediated by photochromic reactions of surface azobenzenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 80, 433-438.	3.9	14

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37	HIGHLY EFFICIENT PHOTOREDUCTION OF METHYLVIologen BY TRIS(BIS-DIAZADIIMINE)RUTHENIUM(II) COMPLEXES. <i>Chemistry Letters</i> , 1983, 12, 1185-1188.	1.3	13
38	Microwave-Assisted Ullmann-Type Coupling Reactions in Alkaline Water. <i>Synthetic Communications</i> , 2012, 42, 1259-1267.	2.1	12
39	Photoregulation of Tilt Angle of Nematic Liquid Crystals by Azobenzene Layers. <i>Chemistry Letters</i> , 1992, 21, 1763-1766.	1.3	11
40	A p-tert-butylcalix[6]arene capped with a triethanolamine-derived triple bridge. <i>Tetrahedron</i> , 2001, 57, 4161-4165.	1.9	11
41	Electrical conduction and thermoelectric properties of tetrathiafulvalene-tetracyanoquinodimethane cast films prepared with N,N-dimethylacetamide. <i>Synthetic Metals</i> , 2017, 230, 12-17.	3.9	11
42	Synthesis of Amphiphilic Porphyrins. <i>Bulletin of the Chemical Society of Japan</i> , 1981, 54, 3879-3880.	3.2	10
43	Triplet sensitization of anthracene photodimerization in $\beta$ -cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 65, 313-320.	3.9	10
44	2,6-Diaminopyridine derivatives as models of molecular sensor for nucleic acid base detection: ab initio calculations of electronic effects induced by hydrogen bonds formation. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1452-1457.	10.1	10
45	Behavior of the Excited Cis Singlet State of a One-Way Isomerizing Olefin. Further Insight into Potential Energy Surfaces of 1-(3,3-Dimethyl-1-butenyl)pyrene. <i>Bulletin of the Chemical Society of Japan</i> , 1991, 64, 216-220.	3.2	8
46	Photo-induced regulation of nematic liquid crystal alignment by mixed monolayers of an azobenzene with long chain alkyl residues. <i>Thin Solid Films</i> , 1992, 219, 226-230.	1.8	8
47	Reversible alignment change of liquid crystals induced by photochromic molecular films. <i>Liquid Crystals</i> , 1993, 13, 189-199.	2.2	8
48	Reversible alignment changes of liquid crystals induced by photochromic molecular films. Part 10. Photoregulation of liquid crystal alignment by Langmuir-Blodgett layers of azobenzene polymers.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1991, 4, 279-282.	0.3	7
49	Spectral Evidence and DFT Calculations on the Formation of Bis(2,2'-bipyridine)platinum(II)-N-Base Adducts. <i>Inorganic Chemistry</i> , 2008, 47, 3477-3479.	4.0	7
50	Microwave-Assisted Direct H/D Exchange Reactions of Dimetridazole and Metronidazole in Alkaline D <sub>2</sub> O. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 1368-1370.	3.2	7
51	Efficient <sup>16</sup> O- <sup>18</sup> O isotope exchange reactions of carbonyl compounds in aqueous organic solvents catalyzed by acidic resin. <i>Chemical Engineering Journal</i> , 2011, 167, 531-535.	12.7	7
52	Alignment of nematic liquid crystals controlled by the photochromic reaction of aggregated surface azobenzenes.. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 1991, 4, 271-278.	0.3	6
53	A Heavy-Atom Effect on the cis-trans Photoisomerization of Bis(ortho-substituted trans,trans,trans-1,6-Diphenyl-1,3,5-hexatriene. <i>Chemistry Letters</i> , 1999, 28, 587-588.	1.3	6
54	Solvent-dependent cis-trans Photoisomerization of p-Methoxy-ortho-nitro-substituted trans,trans,trans-1,6-Diphenyl-1,3,5-hexatriene. <i>Chemistry Letters</i> , 2003, 32, 978-979.	1.3	6

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55	Liquid crystalline alkyl-substituted oligo( <i>p</i> -phenyleneethynylene)s: synthesis and structure-property relationships. <i>Liquid Crystals</i> , 2012, 39, 269-284.	2.2	6
56	Accelerated Response of Photochromic Liquid Crystalline Cell by Laser Pulse Excitation. <i>Japanese Journal of Applied Physics</i> , 1995, 34, 1550-1553.	1.5	5
57	Photo-Ring-Opening Efficiency of 2,2-Diphenyl-2 <i>H</i> -1-benzopyran Evaluated from Addition Reactivity of Amines to Its Ring-Opened Isomers. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 641-643.	3.2	5
58	Charge-carrier Transport in 1,4-Bis(phenylethynyl)benzene Derivatives Exhibiting Crystal Mesophases. <i>Chemistry Letters</i> , 2013, 42, 764-766.	1.3	5
59	(E,E,E)-1,6-Bis(2,4-dichlorophenyl)hexa-1,3,5-triene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o311-o313.	0.4	4
60	A simple procedure for fabricating molecular-sized gap junctions using conventional photolithography. <i>Nanotechnology</i> , 2006, 17, 2406-2410.	2.6	4
61	Reaction and sensing of octafluorocyclopentene with 1,5-diazabicyclo[4,3,0]non-5-ene. <i>Tetrahedron Letters</i> , 2017, 58, 1176-1180.	1.4	3
62	Polytopic Coreceptor from Conformationally Stabilized Calix[6]arene for Alkali Metal Ions. <i>Chemistry Letters</i> , 1999, 28, 345-346.	1.3	2
63	H-shaped conjugated mesogens: synthesis and mesomorphic properties of 3,3',5,5'-tetrakis(phenylethynyl)-2,2'-bithiophene derivatives. <i>Liquid Crystals</i> , 2014, 41, 1199-1211.	2.2	2
64	The pH control of the decolouration rate of spironaphthoxazine derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 867.	2.0	1
65	Bridging Ability of [Bis{2,3-di(2-pyridyl)pyrazine}platinum(II)] and [Bis(2,2'-bipyrimidine)platinum(II)] Moieties in Polymetallic Architecture. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 342, 261-266.	0.3	1
66	(E,E,E)-1,6-Bis(4-nitrophenyl)hexa-1,3,5-triene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o1200-o1202.	0.2	0
67	Lightfastness of Deuterated Ultraviolet Light Absorbers. <i>Kobunshi Ronbunshu</i> , 2011, 68, 664-667.	0.2	0
68	Synthesis and CuAAC Reactions of Azidoalkylethoxysilanes: Grafting CuAAC Products onto Silica Surface. <i>Synthetic Communications</i> , 2014, 44, 556-563.	2.1	0
69	Extended conjugated mesogens: synthesis and mesomorphic properties of H-shaped mesogens based on 3,3',5,5'-tetrasubstituted 2,2'-bithiophene with oligo(1,4-phenyleneethynylene) arms. <i>Liquid Crystals</i> , 2016, 43, 1375-1389.	2.2	0
70	Deuterium-labeling Toward Robust Function of Organic Molecules: Enhanced Photo-stability of Partially Deuterated 1', 3', 3'-Trimethyl-6-nitrospiro[2 <i>H</i> -1- benzopyran-2, 2'-indoline]. <i>Rapid Communication in Photoscience</i> , 2014, 3, 64-66.	0.1	0