

# Takashi Karatsu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

141  
papers

5,040  
citations

41  
h-index

66  
g-index

144  
ext. papers

5,350  
ext. citations

5.5  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
141	Dynamic Fields Visualization of Carbon-Black (CB) Volume Fraction Distribution in Lithium-ion Battery (LIB) Cathode Slurry by Electrical Resistance Tomography (ERT). <i>Journal of the Society of Powder Technology, Japan</i> , <b>2021</b> , 58, 119-126	0.3	1
140	Persistent room temperature blue phosphorescence from racemic crystals of 1,1-diphenylmethanol derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 407, 113043	4.7	2
139	Preparation of Electro-optically Responsive Liquid Crystal Nanocapsules by Miniemulsion Polymerization of Oil-in-Water Emulsion Monomer Droplets. <i>Chemistry Letters</i> , <b>2021</b> , 50, 1566-1569	1.7	0
138	Preparation of liquid crystal nanocapsules by polymerization of oil-in-water emulsion monomer droplets. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 563, 122-130	9.3	11
137	Preparation of photochromic liquid core nanocapsules based on theoretical design. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 547, 318-329	9.3	12
136	Triplet-Triplet Annihilation-Based Upconversion Sensitized by a Reverse Micellar Assembly of Amphiphilic Ruthenium Complexes. <i>Langmuir</i> , <b>2019</b> , 35, 9740-9746	4	7
135	Highly efficient blue emission from boron complexes of 1-(o-hydroxyphenyl)imidazo[1,5-a]pyridine. <i>Tetrahedron</i> , <b>2018</b> , 74, 3728-3733	2.4	16
134	Photoresponsive supramolecular copolymers from diarylethene $\beta$ erylene bisimide hydrogen bonded complexes. <i>Polymer</i> , <b>2017</b> , 128, 356-362	3.9	6
133	Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5270-5280	4.8	16
132	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , <b>2017</b> , 7, 43098	4.9	27
131	Light-induced unfolding and refolding of supramolecular polymer nanofibres. <i>Nature Communications</i> , <b>2017</b> , 8, 15254	17.4	87
130	Phototriggered Supramolecular Polymerization of Barbituric Acid Rosette. <i>Chemistry Letters</i> , <b>2017</b> , 46, 111-114	1.7	10
129	Mechanochromic Luminescence Based on Crystal-to-Crystal Transformation Mediated by a Transient Amorphous State. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 234-241	9.6	108
128	Self-sorting regioisomers through the hierarchical organization of hydrogen-bonded rosettes. <i>Chemical Communications</i> , <b>2016</b> , 52, 8211-4	5.8	31
127	Photoreactive helical nanoaggregates exhibiting morphology transition on thermal reconstruction. <i>Nature Communications</i> , <b>2015</b> , 6, 8936	17.4	73
126	Synthesis, Characterization and Photoinduced Cross-linking of Functionalized Poly(cyclohexyl methacrylate) Copolymer/Clay Nanocomposite as Negative Image Patterning Material. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2015</b> , 28, 769-774	0.7	5
125	Materials for Organic Light Emitting Diode (OLED). <i>Springer Series in Materials Science</i> , <b>2015</b> , 227-251	0.9	1

124	Photocontrol over self-assembled nanostructures of stacked dyes supported by the parallel conformer of diarylethene. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2602-6	16.4	73
123	Supramolecular engineering of oligothiophene nanorods without insulators: hierarchical association of rosettes and photovoltaic properties. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 16128-37	4.8	35
122	Design amphiphilic dipolar systems for stimuli-responsive luminescent materials using metastable states. <i>Nature Communications</i> , <b>2014</b> , 5, 4013	17.4	268
121	Photocontrol Over Self-Assembled Nanostructures of Stacked Dyes Supported by the Parallel Conformer of Diarylethene. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2640-2644	3.6	24
120	Photophysical properties of substituted homoleptic and heteroleptic phenylimidazolinato Ir(III) complexes as a blue phosphorescent material. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12338-50	5.1	49
119	Cholesterol-aided construction of distinct self-organized materials from a luminescent gold(I)-isocyanide complex exhibiting mechanochromic luminescence. <i>Chemical Communications</i> , <b>2013</b> , 49, 11391-3	5.8	46
118	Time-resolved fluorescence of di(1-naphthyl)oligosilanes and 1-naphthyloligosilanes: intramolecular excimer formation and charge-transfer interactions. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 347-357	2.8	4
117	Rational design of photoresponsive supramolecular assemblies based on diarylethene. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6971-5	4.8	38
116	Covalent modular approach for dimension-controlled self-organization of perylene bisimide dyes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 6561-5	4.8	27
115	Guided supramolecular polymerization of oligo(p-phenylenevinylene) functionalized bismelamines. <i>Chemical Communications</i> , <b>2013</b> , 49, 4941-3	5.8	14
114	Self-assembled Nanofibrils and Nanorings Formed from Oligo(p-phenylenevinylene) Dimers. <i>Chemistry Letters</i> , <b>2013</b> , 42, 799-800	1.7	5
113	Effect of Alkyl Group on the Photocrosslinking of Alkyl Methacrylate Based Copolymers. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2013</b> , 26, 259-270	0.7	3
112	Photoreversible supramolecular polymerisation and hierarchical organization of hydrogen-bonded supramolecular co-polymers composed of diarylethenes and oligothiophenes. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2244-53	4.8	50
111	Small molecular host based on carbazole and m-terphenyl derivatives for efficient solution processed organic light-emitting diodes. <i>Synthetic Metals</i> , <b>2012</b> , 162, 303-308	3.6	6
110	Control over hierarchy levels in the self-assembly of stackable nanotoroids. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 18205-8	16.4	124
109	Photoswitchable Exciton Coupling in MerocyanineDiarylethene Multi-Chromophore Hydrogen-Bonded Complexes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9817-9821	3.6	13
108	Photoswitchable exciton coupling in merocyanine-diarylethene multi-chromophore hydrogen-bonded complexes. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9679-83	16.4	50
107	Perylene bisimide organogels formed by melamine/cyanurate/barbiturate hydrogen-bonded tapes. <i>Polymer Journal</i> , <b>2012</b> , 44, 600-606	2.7	8

106	Self-Organization of Hydrogen-Bonding Naphthalene Chromophores into J-type Nanorings and H-type Nanorods: Impact of Regioisomerism. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6747-6751	3.6	32
105	Self-organization of hydrogen-bonding naphthalene chromophores into J-type nanorings and H-type nanorods: impact of regioisomerism. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6643-7164	16.4	126
104	Supramolecularly engineered perylene bisimide assemblies exhibiting thermal transition from columnar to multilamellar structures. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7983-94	16.4	115
103	Functionalized Cyclohexyl methacrylate based Copolymers for Negative Resist. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2011</b> , 24, 535-547	0.7	3
102	Oligocarbazole-silane Connected Host Materials Having High Triplet Energies. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2011</b> , 24, 299-303	0.7	2
101	Rational construction of perylene bisimide columnar superstructures with a biased helical sense. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3598-608	4.8	64
100	Catenation of self-assembled nanorings. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13657-60	4.8	30
99	Solution processable hydrogen-bonded perylene bisimide assemblies organizing into lamellar architectures. <i>Chemical Communications</i> , <b>2011</b> , 47, 12447-9	5.8	28
98	Photophysics and photochemistry of positionally isomeric 1,2-dianthryltetramethyldisilanes: Investigation of anthryl $\pi$ -anthryl and anthryl $\pi$ -Si interactions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 218, 204-212	4.7	8
97	Rationally controlled helical organization of a multiple-hydrogen-bonding oligothiophene: guest-induced transition of helical-to-twisted ribbons. <i>Chemical Communications</i> , <b>2011</b> , 47, 454-6	5.8	15
96	A complementary guest induced morphology transition in a two-component multiple H-bonding self-assembly. <i>Chemical Communications</i> , <b>2010</b> , 46, 1076-8	5.8	50
95	Nebulin and N-WASP cooperate to cause IGF-1-induced sarcomeric actin filament formation. <i>Science</i> , <b>2010</b> , 330, 1536-40	33.3	66
94	Effect of Nitro-Substitution on the Photochemistry of 3-Piperidino-1,2-benzisothiazole Derivatives: A Mechanistic Investigation. <i>Heterocycles</i> , <b>2010</b> , 81, 659	0.8	2
93	Two-dimensional organization of mono- and bisurea supramolecular polymers studied by scanning tunneling microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 803-8	1.3	5
92	Fluorescence Patterning using Photochemical Cycloaddition of Di-9,9-Anthracene Conjugates linked by Permethysilyl Chains. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2010</b> , 23, 789-794	0.7	5
91	Synthesis and Photophysical Properties of Substituted Tris(phenylbenzimidazolinato) Ir(III) Carbene Complexes as a Blue Phosphorescent Material. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 926-933	2.3	35
90	Rational design of nanofibers and nanorings through complementary hydrogen-bonding interactions of functional pi systems. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8652-61	4.8	66
89	Supramolecularly Engineered Aggregation of a Dipolar Dye: Vesicular and Ribbonlike Architectures. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 10186-10190	3.6	39

88	Supramolecularly engineered aggregation of a dipolar dye: vesicular and ribbonlike architectures. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9990-4	16.4	67
87	Structural and electronic properties of extremely long perylene bisimide nanofibers formed through a stoichiometrically mismatched, hydrogen-bonded complexation. <i>Small</i> , <b>2010</b> , 6, 2731-40	11	18
86	Interconvertible oligothiophene nanorods and nanotapes with high charge-carrier mobilities. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9320-4	4.8	56
85	Chirality in the Photochemical mer-fac Geometrical Isomerization of Tris(1-phenylpyrazolato,N,C2?)iridium(III). <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 2104-2109 <sup>3,3</sup>	3.3	27
84	Reversible transformation between rings and coils in a dynamic hydrogen-bonded self-assembly. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5408-10	16.4	84
83	Unconventional hydrogen-bond-directed hierarchical co-assembly between perylene bisimide and azobenzene-functionalized melamine. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 3926-9	3.9	33
82	Cyanurate-guided self-assembly of a melamine-capped oligo(p-phenylenevinylene). <i>Chemical Communications</i> , <b>2008</b> , 4466-8	5.8	26
81	Formation of supramolecular polymers and discrete dimers of perylene bisimide dyes based on melamine-cyanurates hydrogen-bonding interactions. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 3328-35	4.2	71
80	Miniaturization of Nanofibers Composed of Melamine-appended Perylene Bisimides and Cyanurates. <i>Chemistry Letters</i> , <b>2008</b> , 37, 764-765	1.7	16
79	Photochemistry of 5-nitro-1,2-benzisothiazole derivatives: effects of substituents, solvents and excitation wavelength. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3444-3448	2	6
78	Supramolecular polymerization and polymorphs of oligo(p-phenylene vinylene)-functionalized bis- and monoureas. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5246-57	4.8	60
77	Transformation from H- to J-aggregated perylene bisimide dyes by complexation with cyanurates. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 3367-71	16.4	255
76	Toroidal nanoobjects from Rosette assemblies of melamine-linked oligo(p-phenyleneethynylene)s and cyanurates. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 4691-4	16.4	118
75	Transformation from H- to J-Aggregated Perylene Bisimide Dyes by Complexation with Cyanurates. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 3415-3419	3.6	55
74	Toroidal Nanoobjects from Rosette Assemblies of Melamine-Linked Oligo(p-phenyleneethynylene)s and Cyanurates. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 4769-4772	3.6	49
73	Diversification of self-organized architectures in supramolecular dye assemblies. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13277-87	16.4	100
72	Gelation-assisted control over excitonic interaction in merocyanine supramolecular assemblies. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8005-9	16.4	73
71	Gelation-Assisted Control over Excitonic Interaction in Merocyanine Supramolecular Assemblies. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 8151-8155	3.6	29

70	Blue electroluminescence of silyl substituted anthracene derivatives. <i>Organic Electronics</i> , <b>2007</b> , 8, 357-366	5.5	40
69	Supramolecular nanoribbons and nanoropes generated from hydrogen-bonded supramolecular polymers containing perylene bisimide chromophores. <i>Organic Letters</i> , <b>2007</b> , 9, 1137-40	6.2	90
68	Photoresponsive self-assembly and self-organization of hydrogen-bonded supramolecular tapes. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 3984-94	4.8	76
67	Lysophosphatidic acid cooperates with EGF in inducing branching morphogenesis of embryonic mouse salivary epithelium. <i>Developmental Dynamics</i> , <b>2006</b> , 235, 403-10	2.9	17
66	Tunable interchromophore electronic interaction of a merocyanine dye in hydrogen-bonded supramolecular assemblies scaffolded by bismelamine receptors. <i>Chemical Communications</i> , <b>2006</b> , 1500-2	5.8	48
65	Radiative and nonradiative processes of meridional and facial isomers of heteroleptic iridium-tris(phenylpyridine) complexes. <i>Chemical Physics Letters</i> , <b>2006</b> , 424, 353-357	2.5	46
64	Melamine-barbiturate/cyanurate binary organogels possessing rigid azobenzene-tether moiety. <i>Langmuir</i> , <b>2005</b> , 21, 11048-52	4	56
63	Dye-Assisted Structural Modulation of Hydrogen-Bonded Binary Supramolecular Polymers. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4392-4398	9.6	58
62	Hierarchical organization of photoresponsive hydrogen-bonded rosettes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11134-9	16.4	263
61	Determination of the Glucose in Serum by the FT-IR-ATR Method. <i>Bunseki Kagaku</i> , <b>2005</b> , 54, 149-154	0.2	4
60	Evaluation of sensitizing ability of barbiturate-functionalized non-ionic cyanine dyes; application for photoinduced radical generation system initiated by near IR light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2005</b> , 170, 123-129	4.7	32
59	Generation and reactions of 3-alkylidene-1-pyrazoline radical cations by photoinduced electron transfer. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 261-265	2	1
58	Photocontrollable self-assembly. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 4054-63	4.8	189
57	Time-resolved fluorescence of $\pi$ (9-anthryl)- $\pi$ (1-naphthyl)-oligosilanes: intramolecular electronic energy and charge transfer through $\pi$ - $\pi$ interactions. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 1029-1035	2.3	12
56	Synthesis and noncovalent polymerization of self-complementary hydrogen-bonding supramolecular synthons: N,N'-disubstituted 4,6-diamino-pyrimidin-2(1H)-ones. <i>Chemical Communications</i> , <b>2004</b> , 1114-5	5.8	27
55	Binary Supramolecular Gels Based on Bismelamine-Cyanurate/Barbiturate Noncovalent Polymers. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3582-3585	9.6	63
54	Phototriggered self-assembly of hydrogen-bonded rosette. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 11500-8	16.4	94
53	Photoinduced Electron Transfer Reactions of 3H-Pyrazole Derivatives. Formation of Solvent Adduct by Specific Sensitizer. <i>Bulletin of the Chemical Society of Japan</i> , <b>2003</b> , 76, 1227-1231	5.1	18

52	Photochemicalmer- $\pi$ acOne-way Isomerization of Phosphorescent Material. Studies by Time-resolved Spectroscopy for Tris[2-(4 $\pi$ ,6 $\pi$ -difluorophenyl)pyridine]iridium(III) in Solution. <i>Chemistry Letters</i> , <b>2003</b> , 32, 886-887	1.7	48
51	Optical properties of the thin films of poly(methylpentoxysilane) homopolymers and copolymers. <i>Polymer</i> , <b>2003</b> , 44, 8005-8011	3.9	5
50	Effects of oxygen atom in the side chain on physical and optical properties of dodecapentoxypentasilane. <i>Chemical Physics Letters</i> , <b>2003</b> , 370, 154-160	2.5	3
49	How does an oxygen atom in the side chain affect the photophysical properties of alkoxy-substituted organopolysilane homopolymers and copolymers?. <i>Polymer</i> , <b>2003</b> , 44, 3269-3277	3.9	8
48	$\pi$ - $\pi$ Interactions in $\pi$ -Di-(9-anthryl) and Di-(1-naphthyl) Oligosilanes Studied by Time-Resolved Fluorescence in Solution. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 12184-12191	3.4	37
47	Photoresponsive melamine barbiturate hydrogen-bonded assembly. <i>Chemical Communications</i> , <b>2003</b> , 1844-5	5.8	34
46	Synthesis of subphthalocyanine derivatives and their characterization. <i>Dyes and Pigments</i> , <b>2002</b> , 53, 57-64.6	4.6	28
45	A novel photochemical reaction of 2-alkoxynicotinates to cage-type photodimers. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 1843-7	4.2	9
44	$\pi$ - $\pi$ Interactions in $\pi$ -Dinaphthyl and -Dianthryl Oligosilanes in Solution. <i>Chemistry Letters</i> , <b>2001</b> , 30, 994-995	1.7	18
43	Orientation of Rotational Isomers of 1,2-Bis(2-anthryl)ethene in Liquid Crystals. <i>Chemistry Letters</i> , <b>2001</b> , 30, 1232-1233	1.7	
42	Photoinduced electron-transfer reaction of cyclic oligosilanes and polysilanes in solution. <i>Heteroatom Chemistry</i> , <b>2001</b> , 12, 269-275	1.2	8
41	Trapping of 1,8-biradical intermediates by molecular oxygen in photocycloaddition of naphthyl-N-(naphthylcarbonyl)carboxamides; formation of novel 1,8-epidioxides and evidence of stepwise aromatic cycloaddition. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 66-73	4.2	10
40	Concentration Dependent Photodimerization of Azobenzenes in Solution. <i>Chemistry Letters</i> , <b>2000</b> , 29, 686-687	1.7	11
39	Picosecond Time-Resolved Fluorescence Spectroscopy of (Z)-1-(2-Anthryl)-2-phenylethene and Its Model Compounds: Understanding the Photochemistry by Distinguishing between the s-cis and s-trans Rotamers. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 6993-7001	2.8	8
38	Substituent Effect in Sensitization Mechanisms of Pyrromethene Dyes in Solution.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2000</b> , 13, 691-696	0.7	5
37	Sensitization Mechanisms of Photopolymer Coating Layer using Infrared Dye.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , <b>2000</b> , 13, 697-701	0.7	4
36	Steric effect on photochemistry of benzyl ester derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1999</b> , 127, 75-81	4.7	5
35	Novel Dependence of the Bond Cleavage Pattern of Bis(2-phenylbenzoyl) Peroxide on the Irradiation Wavelength. <i>Chemistry Letters</i> , <b>1999</b> , 28, 877-878	1.7	2

- 34 Rotational Isomerization of (E)-(2-Anthryl)ethenes. A Consideration Why Are the cis-Rotamers More Stable than the trans-Rotamers in the Excited State and Less Stable in the Ground State?. *Bulletin of the Chemical Society of Japan*, **1999**, 72, 1837-1849 5.1 10
- 33 Steric effect on photochemistry of benzyl ester derivatives. *Journal of Photochemistry and Photobiology A: Chemistry*, **1998**, 117, 91-98 4.7 8
- 32 Photoinduced Electron Transfer Reaction of 3,3-Dimethyl-3H-pyrazoles: The Formation of Solvent Adducts through Cyclopropene Derivatives. *Chemistry Letters*, **1997**, 26, 1005-1006 1.7 3
- 31 Mechanistic investigations of the photosensitized reactions of iron arene complexes. *Journal of Photochemistry and Photobiology A: Chemistry*, **1997**, 107, 83-91 4.7 14
- 30 Photoinduced Electron-Transfer Reaction of (Phenylazo)triphenylmethane (PAT). Behavior of Generated Trityl Cation. *Bulletin of the Chemical Society of Japan*, **1996**, 69, 3325-3329 5.1 6
- 29 Photoinduced Electron Transfer Reaction of Pyrazoline Derivatives. Formation of Rearrangement Product. *Journal of Organic Chemistry*, **1995**, 60, 8270-8277 4.2 12
- 28 Photoisomerization and Photocyclization Reactions of 1-Styrylanthracene. *Bulletin of the Chemical Society of Japan*, **1995**, 68, 920-928 5.1 8
- 27 Photochemical "across-a ridge" Z-E isomerization of (ethenyl-2-d)anthracenes in the triplet state. *The Journal of Physical Chemistry*, **1994**, 98, 508-512 3
- 26 Photophysical Processes in Aromatic Polyimides. 2. Photoreduction of Benzophenone-containing Polyimide Model Compounds. *The Journal of Physical Chemistry*, **1994**, 98, 10771-10778 7
- 25 Photochemical Cis to Trans One-Way Isomerization of Styrylazulenes on Their Triplet Excited State. Examination of Ethylenes with Non-Benzenoid Substituents of Low Triplet Energies. *Bulletin of the Chemical Society of Japan*, **1994**, 67, 1674-1679 5.1 10
- 24 Semiempirical Calculation of the Triplet-Triplet Absorption Spectra of 2-Anthrylethylenes Undergoing Photochemical One-Way Isomerization. *Bulletin of the Chemical Society of Japan*, **1994**, 67, 891-894 5.1 6
- 23 Rotational Isomerization of trans-2-Styrylanthracene between (s)-trans and (s)-cis Rotamers in the Excited States. Investigation of Its Sterically Restricted Model Compounds. *Chemistry Letters*, **1994**, 23, 381-384 1.7 5
- 22 Features of the Quantum Chain Process in the Photochemical One-Way Isomerization of 2-Anthrylethylenes. *Bulletin of the Chemical Society of Japan*, **1994**, 67, 3030-3039 5.1 11
- 21 Effect of Substitution of a 2-Anthryl Group at the N=N and N=C Unsaturated Bonds on Their Photoisomerization in the Triplet State. *Chemistry Letters*, **1994**, 23, 825-826 1.7 3
- 20 Initial Process of Photoinduced Electron Transfer Reactions of High Molecular Weight Polysilanes to Electron Deficient Sensitizers in Solution. *Chemistry Letters*, **1992**, 21, 2131-2134 1.7 5
- 19 Effects of Substitution with Positionally Isomeric Anthryl Groups on the One-Way Isomerization. *Chemistry Letters*, **1992**, 21, 2193-2196 1.7 5
- 18 Intramolecular triplet energy transfer in ester-linked bichromophoric azoalkanes and naphthalenes. *The Journal of Physical Chemistry*, **1992**, 96, 7524-7535 31
- 17 Effects of Substituents on internal rotation of the anthryl group of 2-anthrylethylenes in the excited singlet state. *Journal of Photochemistry and Photobiology A: Chemistry*, **1992**, 65, 41-51 4.7 11



16	Triplet Intermediates in Cis↔Trans Photo-isomerization of 3-Chrysenylethylenes. <i>Bulletin of the Chemical Society of Japan</i> , <b>1991</b> , 64, 3355-3362	5.1	9
15	Photochemistry of azoalkane: formation of the rearrangement product by photoinduced electron transfer of the pyrazoline derivative. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1991</b> , 1451		3
14	Solution photochemistry of poly(di-n-alkylsilanes). An EPR-ENDOR study of the structure of the persistent radicals. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 2003-2010	16.4	22
13	Spectroscopic evidence for an energy minimum at the cis geometry of the triplet state of a butenylantracene. Further insight into across-a-ridge isomerization of anthrylethylenes. <i>Chemical Physics Letters</i> , <b>1990</b> , 169, 36-42	2.5	22
12	Highly selective rotational isomerization of 2-vinylantracene in the excited singlet state. Picosecond time-resolved fluorescence study. <i>Chemical Physics Letters</i> , <b>1989</b> , 158, 429-434	2.5	20
11	The mechanism of the photochemical degradation of poly(di-n-alkylsilanes) in solution. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 1140-1141	16.4	57
10	Triplet energy surfaces of one-way isomerizing olefins as studied by singlet oxygen luminescence technique. <i>Chemical Physics Letters</i> , <b>1988</b> , 149, 161-166	2.5	25
9	A novel ↖cross-a-ridge↗ isomerization of olefins. The energy surface of 2-ethenylantracene in the excited triplet state. <i>Chemical Physics Letters</i> , <b>1988</b> , 146, 405-409	2.5	23
8	Photodegradation of poly(dialkylsilane)s in solution: the persistent radicals have an unexpected structure. <i>Organometallics</i> , <b>1988</b> , 7, 2567-2569	3.8	32
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6	Transient Raman evidence of the one-way cis to trans isomerization in the lowest excited triplet state of 2-styrylantracene. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 1698-1699	16.4	36
5	New insight into ↖ne-way↗ photoisomerization of anthrylethylenes: absorption spectra of the trans triplets as intermediates of the isomerization. <i>Chemical Physics Letters</i> , <b>1985</b> , 115, 9-15	2.5	59
4	↖One-way↗ photoisomerization between cis- and trans-olefin. A novel adiabatic process in the excited state. <i>Tetrahedron Letters</i> , <b>1983</b> , 24, 2873-2876	2	77
3	EFFECT OF OXYGEN ON THE PHOTOSTATIONARY STATE COMPOSITION IN TRIPLET SENSITIZED CIS↔TRANS ISOMERIZATION OF 1-ARYL-3,3-DIMETHYL-1-BUTENES. A CLASSIFICATION OF TRIPLET ENERGY SURFACES OF AROMATIC OLEFINS. <i>Chemistry Letters</i> , <b>1981</b> , 10, 1377-1380	1.7	18
2	Mechanism for triplet-sensitized isomerization of aromatic olefins. <i>Journal of Photochemistry and Photobiology</i> , <b>1981</b> , 17, 107		1
1	Synthesis of luminescent core↖shell polymer particles carrying amino groups for covalent immobilization of enzymes. <i>Colloid and Polymer Science</i> , 1	2.4	0