Yoshihisa Inoue

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.

146 papers	9,012 citations	39 h-index	93 g-index
154 ext. papers	9,823 ext. citations	9.6 avg, IF	6.36 L-index

#	Paper	IF	Citations
146	Pressure-driven, solvation-directed planar chirality switching of cyclophano-pillar[5]arenes (molecular universal joints). *Chemical Science*, **2021**, 12, 4361-4366	9.4	8
145	Hydrostatic Pressure-Induced Spectral Variation of Reichardt's Dye: A Polarity/Pressure Dual Indicator. *ACS Omega*, **2020**, 5, 897-903	3.9	10
144	Supramolecular Photochirogenesis with Cyclodextrin **2020**, 509-535		
143	A Supramolecular Strategy for Enhancing Photochirogenic Performance through Host/Guest Modification: Dicationic β-Cyclodextrin-Mediated Photocyclodimerization of 2,6-Anthracenedicarboxylate. *Organic Letters*, **2020**, 22, 9757-9761	6.2	4
142	N-Benzoyl-protected Peptide Nucleic Acid (PNA) Monomers Expand the Range of Nucleobases Available for PNA-DNA Chimera. *Chemistry Letters*, **2019**, 48, 341-344	1.7	1
141	An Ultimate Stereocontrol in Supramolecular Photochirogenesis: Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Sulfur-Linked β-Cyclodextrin Dimers. *Journal of the American Chemical Society*, **2019**, 141, 9225-9238	16.4	39
140	Supramolecular Photochirogenesis with Cyclodextrin **2019**, 1-27		
139	Supramolecular Photochirogenesis Driven by Higher-Order Complexation: Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate to Slipped Cyclodimers via a 2:2 Complex with β-Cyclodextrin. *Journal of the American Chemical Society*, **2018**, 140, 3959-3974	16.4	67
138	Circularly Polarized Luminescence and Circular Dichroisms in Small Organic Molecules: Correlation between Excitation and Emission Dissymmetry Factors. *ChemPhotoChem*, **2018**, 2, 386-402	3.3	291
137	Entropy-Driven Diastereoselectivity Improvement in the Paternò-Büchi Reaction of 1-Naphthyl Aryl Ethenes with a Chiral Cyanobenzoate through Remote Alkylation. *Angewandte Chemie - International Edition*, **2018**, 57, 4880-4885	16.4	8
136	Peptide Ribonucleic Acid (PRNA)/Arginine Hybrids. Effects of Arginine Residues Alternatingly Introduced to PRNA Backbone on Aggregation, Cellular Uptake, and Cytotoxicity. *Chemistry Letters*, **2018**, 47, 381-384	1.7	1
135	Circular Dichroisms of Mono- and Dibromo[2.2]paracyclophanes: A Combined Experimental and Theoretical Study. *ACS Omega*, **2018**, 3, 22-29	3.9	6
134	Symmetry-based rational design for boosting chiroptical responses. *Communications Chemistry*, **2018**, 1,	6.3	93
133	Solvent and Temperature Effects on Dynamics and Chiroptical Properties of Propeller Chirality and Toroidal Interaction of Hexaarylbenzenes. *Journal of Physical Chemistry A*, **2018**, 122, 7455-7463	2.8	17
132	X-ray observations of single bio-supramolecular photochirogenesis. *Biophysical Chemistry*, **2018**, 242, 1-5	3.5	3
131	Entropy-Driven Diastereoselectivity Improvement in the Paternò-Büchi Reaction of 1-Naphthyl Aryl Ethenes with a Chiral Cyanobenzoate through Remote Alkylation. *Angewandte Chemie*, **2018**, 130, 4974-4979	2.6	1
130	Combined Experimental and Theoretical Study on Circular Dichroism and Circularly Polarized Luminescence of Configurationally Robust D-Symmetric Triple Pentahelicene. *Journal of Physical Chemistry A*, **2018**, 122, 7378-7384	2.8	31

129	Absolute configuration determination through the unique intramolecular excitonic coupling in the circular dichroisms of o,pSDDT and o,pSDDD. A combined experimental and theoretical study. *Photochemical and Photobiological Sciences*, **2017**, 16, 606-610	4.2	3
128	Temperature-Driven Planar Chirality Switching of a Pillar[5]arene-Based Molecular Universal Joint. *Angewandte Chemie - International Edition*, **2017**, 56, 6869-6873	16.4	103
127	Protonation-Induced Sign Inversion of the Cotton Effects of Pyridinophanes. A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry A*, **2017**, 121, 977-985	2.8	9
126	Oligosaccharide Sensing in Aqueous Media by Porphyrin-Curdlan Conjugates: A Pret-Porter Rather Than Haute-Couture Approach. *Chemistry - A European Journal*, **2017**, 23, 11272-11278	4.8	9
125	Temperature-Driven Planar Chirality Switching of a Pillar[5]arene-Based Molecular Universal Joint. *Angewandte Chemie*, **2017**, 129, 6973-6977	3.6	28
124	Photochirogenic nanosponges: phase-controlled enantiodifferentiating photoisomerization of (Z)-cyclooctene sensitized by pyromellitate-crosslinked linear maltodextrin. *RSC Advances*, **2017**, 7, 17184-17192	3.7	10
123	A Combined Experimental and Theoretical Study on the Circular Dichroism of Staggered and Eclipsed Forms of Dimethoxy[2.2]-, [3.2]-, and [3.3]Pyridinophanes and Their Protonated Forms. *Journal of Physical Chemistry A*, **2017**, 121, 8389-8398	2.8	7
122	Chiroptical properties of dithia[3.3]cyclophanes composed of anthracene and pyridine/pyridinium moieties: A combined experimental and theoretical study. *Chirality*, **2017**, 29, 677-683	2.1	4
121	Enantioselectivity of 2,2Ş3,5Ş6-Pentachlorobiphenyl (PCB 95) Atropisomers toward Ryanodine Receptors (RyRs) and Their Influences on Hippocampal Neuronal Networks. *Environmental Science & Technology*, **2017**, 51, 14406-14416	10.3	22
120	Orbital Control of Photochemical Rearrangement of 4-Aryl-1,1-dicyano-1-butenes through the Hyperconjugative Substitution on the Linker Chain. *Journal of Physical Chemistry Letters*, **2016**, 7, 4957-4961	6.4	1
119	Module Strategy for Peptide Ribonucleic Acid (PRNA)-DNA and PRNA-Peptide Nucleic Acid (PNA)-DNA Chimeras: Synthesis and Interaction of Chimeras with DNA and RNA. *Chemistry Letters*, **2016**, 45, 350-352	1.7	2
118	Toroidal Interaction and Propeller Chirality of Hexaarylbenzenes. Dynamic Domino Inversion Revealed by Combined Experimental and Theoretical Circular Dichroism Studies. *Journal of Physical Chemistry Letters*, **2016**, 7, 783-8	6.4	27
117	Enantioselective [4+4] photodimerization of anthracene-2,6-dicarboxylic acid mediated by a C2-symmetric chiral template. *Chemical Communications*, **2016**, 52, 1032-5	5.8	21
116	Inherently Chiral Azonia[6]helicene-Modified -Cyclodextrin: Synthesis, Characterization, and Chirality Sensing of Underivatized Amino Acids in Water. *Journal of Organic Chemistry*, **2016**, 81, 3430-4	4.2	42
115	Electrostatically promoted dynamic hybridization of glucans with cationic polythiophene. *Organic and Biomolecular Chemistry*, **2016**, 14, 9741-9750	3.9	9
114	Supramolecular Photochirogenesis with a Higher-Order Complex: Highly Accelerated Exclusively Head-to-Head Photocyclodimerization of 2-Anthracenecarboxylic Acid via 2:2 Complexation with Prolinol. *Journal of the American Chemical Society*, **2016**, 138, 12187-201	16.4	23
113	Contrasting Behaviour of Exciplex Ensembles in the Diastereodifferentiating Paternò-Büchi Reaction of Chiral Cyanobenzoate with Naphthyl- and Phenylethenes on Direct or Charge-Transfer Excitation. *Australian Journal of Chemistry*, **2015**, 68, 1693	1.2	6
112	Conformational switching of ethano-bridged Cu,H2-bis-porphyrin induced by aromatic amines. *Beilstein Journal of Nanotechnology*, **2015**, 6, 2154-60	3	6

111	Metal-Organic Nanotube with Helical and Propeller-Chiral Motifs Composed of a C10-Symmetric Double-Decker Nanoring. *Journal of the American Chemical Society*, **2015**, 137, 7628-31	16.4	37
110	Excited-State Dynamics Achieved Ultimate Stereocontrol of Photocyclodimerization of Anthracenecarboxylates on a Glucose Scaffold. *Journal of the American Chemical Society*, **2015**, 137, 15007-14	16.4	23
109	pH-Independent Charge Resonance Mechanism for UV Protective Functions of Shinorine and Related Mycosporine-like Amino Acids. *Journal of Physical Chemistry A*, **2015**, 119, 12722-9	2.8	14
108	Solvent- and phase-controlled photochirogenesis. Enantiodifferentiating photoisomerization of (Z)-cyclooctene sensitized by cyclic nigerosylnigerose-based nanosponges crosslinked by pyromellitate. *Organic and Biomolecular Chemistry*, **2015**, 13, 2905-12	3.9	13
107	Noncovalent assembly. A rational strategy for the realization of chain-growth supramolecular polymerization. *Science*, **2015**, 347, 646-51	33.3	400
106	Supramolecular photochirogenesis. *Chemical Society Reviews*, **2014**, 43, 4123-43	58.5	125
105	Manipulating □cyclodextrin-mediated photocyclodimerization of anthracenecarboxylate by wavelength, temperature, solvent and host. *Photochemical and Photobiological Sciences*, **2014**, 13, 190-8	4.2	15
104	Mammalian serum albumins as a chiral mediator library for bio-supramolecular photochirogenesis: optimizing enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate. *Chemical Communications*, **2014**, 50, 14082-5	5.8	13
103	Ammonia-driven chirality inversion and enhancement in enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate mediated by diguanidino-□cyclodextrin. *Journal of the American Chemical Society*, **2014**, 136, 6916-9	16.4	61
102	Charge-transfer excitation: unconventional yet practical means for controlling stereoselectivity in asymmetric photoreactions. *Chemical Society Reviews*, **2013**, 42, 8122-33	58.5	43
101	Syn□anti conformation switching of a bis-porphyrin derivative at the air□water interface and in the solid state as an effective tool for chemical sensing. *Soft Matter*, **2013**, 9, 2302	3.6	25
100	Phase-controlled supramolecular photochirogenesis in cyclodextrin nanosponges. *Chemical Communications*, **2013**, 49, 3510-2	5.8	38
99	Inherently Chiral Resorcin[4]arenes with Urea and Amide Side Arms: Synthesis, Structure and Chiral Recognition. *European Journal of Organic Chemistry*, **2013**, 2013, 1240-1245	3.2	15
98	Chiral recognition and supramolecular photoreaction of 1,1?-binaphthol with bovine and human serum albumins. *Research on Chemical Intermediates*, **2013**, 39, 371-383	2.8	10
97	Cross- versus homo-photocyclodimerization of anthracene and 2-anthracenecarboxylic acid mediated by a chiral hydrogen-bonding template. Factors controlling the cross-/homo-selectivity and enantioselectivity. *Journal of Organic Chemistry*, **2013**, 78, 3073-85	4.2	17
96	Explaining the highly enantiomeric photocyclodimerization of 2-anthracenecarboxylate bound to human serum albumin using time-resolved anisotropy studies. *Journal of the American Chemical Society*, **2013**, 135, 203-9	16.4	55
95	Circular dichroism of (di)methyl- and diaza[6]helicenes. A combined theoretical and experimental study. *Journal of Physical Chemistry A*, **2013**, 117, 83-93	2.8	71
94	Theoretical and experimental studies of circular dichroism of mono- and diazonia[6]helicenes. *Journal of Physical Chemistry A*, **2013**, 117, 5082-92	2.8	41

93	Catalytic Bio-Supramolecular Photochirogenesis: Batch-Operated Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate with Human Serum Albumin. *ChemCatChem*, **2013**, 5, 3237-3240	5.2	11
92	Enantiospecific photochemical transformations under elevated pressure. *Chemistry - A European Journal*, **2013**, 19, 4327-34	4.8	23
91	Heterogeneous Enantioselective Hydrogenation: pH Dependence and Interplay between Catalytic Efficacy and Surface Composition. *Chemistry Letters*, **2013**, 42, 1225-1226	1.7	1
90	Absolute configuration of atropisomeric polychlorinated biphenyl 183 enantiomerically enriched in human samples. *Journal of Physical Chemistry A*, **2012**, 116, 9340-6	2.8	24
89	Theoretical and experimental investigations of circular dichroism and absolute configuration determination of chiral anthracene photodimers. *Journal of the American Chemical Society*, **2012**, 134, 4990-7	16.4	68
88	Theoretical and experimental studies on circular dichroism of carbo[n]helicenes. *Journal of Physical Chemistry A*, **2012**, 116, 7372-85	2.8	175
87	Electronic Circular Dichroism of Supramolecular Systems **2012**, 317-353		1
86	Cyclodextrin nanosponge-sensitized enantiodifferentiating photoisomerization of cyclooctene and 1,3-cyclooctadiene. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 1305-11	2.5	32
85	Donor/Acceptor-Substituted Chiral Molecular Clips Synthesis and Host Guest Complex Formation. *European Journal of Organic Chemistry*, **2012**, 2012, 3385-3395	3.2	1
84	Chiral ionic liquid-mediated photochirogenesis. Enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid. *Organic and Biomolecular Chemistry*, **2011**, 9, 7105-12	3.9	14
83	Dynamics of Guest Binding to Supramolecular Assemblies **2011**, 1-51		1
82	Complexation of Fluorescent Dyes by Macrocyclic Hosts **2011**, 87-114		4
81	Real-Time Crystallography of Photoinduced Processes in Supramolecular Framework Solids **2011**, 155-174		1
80	Photochemical and Photophysical Studies of and in Bulk Polymers **2011**, 443-516		1
79	Supramolecular Effects on Mechanisms of Photoisomerization: Hula Twist, Bicycle Pedal, and One-Bond-Flip **2011**, 547-570		
78	Templating Photoreactions in Solution **2011**, 53-86		3
77	Supramolecular Photochirogenesis **2011**, 115-153		11
76	Bimolecular Photoreactions in the Crystalline State **2011**, 175-228		11

75	Controlling Photoreactions Through Noncovalent Interactions Within Zeolite Nanocages **2011**, 389-442		2
74	Delocalization and Migration of Excitation Energy and Charge in Supramolecular Systems **2011**, 517-546		1
73	Protein-Controlled Ultrafast Photoisomerization in Rhodopsin and Bacteriorhodopsin **2011**, 571-595		7
72	Photochromism of Multicomponent Diarylethene Crystals **2011**, 267-283		
71	Structural Aspects and Templation of Photochemistry in Solid-State Supramolecular Systems **2011**, 229-266		3
70	Supramolecular FRET photocyclodimerization of anthracenecarboxylate with naphthalene-capped β-cyclodextrin. *Beilstein Journal of Organic Chemistry*, **2011**, 7, 290-7	2.5	15
69	Chiral Photochemistry in Supercritical Fluid and under High Pressure. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2011**, 21, 30-36	0	
68	Novel Strategy of Supramolecular Asymmetric Photochirogenesis with Tailor-Made Biopolymers as Chiral Reaction Fields. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2011**, 24, 595-596	0.7	1
67	Experimental and theoretical investigations of circular dichroism of donor-acceptor 1,1'-binaphthyls: influence of substitution on the coupling amplitude and cotton effect of the charge-transfer band. *Chirality*, **2011**, 23 Suppl 1, E22-7	2.1	6
66	Recent theoretical and experimental advances in the electronic circular dichroisms of planar chiral cyclophanes. *Topics in Current Chemistry*, **2011**, 298, 99-128		18
65	Axial chirality of donor-donor, donor-acceptor, and tethered 1,1'-binaphthyls: a theoretical revisit with dynamics trajectories. *Journal of Physical Chemistry A*, **2011**, 115, 5488-95	2.8	36
64	Wavelength-controlled supramolecular photocyclodimerization of anthracenecarboxylate mediated by β-cyclodextrins. *Chemical Communications*, **2011**, 47, 6849-51	5.8	37
63	Manipulation of Energy Transfer Processes Within the Channels of L-Zeolite **2011**, 285-387		10
62	Dual supramolecular photochirogenesis: ultimate stereocontrol of photocyclodimerization by a chiral scaffold and confining host. *Journal of the American Chemical Society*, **2011**, 133, 13786-9	16.4	89
61	Supramolecular complexation and photocyclodimerization of methyl 3-methoxy-2-naphthoate with modified β-cyclodextrins. *Pure and Applied Chemistry*, **2011**, 83, 769-778	2.1	7
60	Experimental and Theoretical Studies on the Chiroptical Properties of Donor–Acceptor Binaphthyls. Effects of Dynamic Conformer Population on Circular Dichroism. *Journal of Physical Chemistry Letters*, **2010**, 1, 1809-1812	6.4	22
59	Conformation Elucidation of Tethered Donor–Acceptor Binaphthyls from the Anisotropy Factor of a Charge-Transfer Band. *Journal of Physical Chemistry Letters*, **2010**, 1, 2402-2405	6.4	17
58	Solvent and temperature effects on diastereodifferentiating Paterno–Büchi reaction of chiral alkyl cyanobenzoates with diphenylethene upon direct versus charge-transfer excitation. *Journal of Organic Chemistry*, **2010**, 75, 5461-9	4.2	33

57	Bio-supramolecular photochirogenesis with molecular chaperone: enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate mediated by prefoldin. *Photochemical and Photobiological Sciences*, **2010**, 9, 655-60	4.2	21
56	Reaction Control by Molecular Recognition A Survey from the Photochemical Perspective **2010**, 1-42		1
55	Combined experimental and quantum chemical investigation of chiroptical properties of nicotinamide derivatives with and without intramolecular cation-pi interactions. *Journal of Physical Chemistry A*, **2009**, 113, 8754-64	2.8	31
54	Catalytic enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid mediated by a non-sensitizing chiral metallosupramolecular host. *Angewandte Chemie - International Edition*, **2009**, 48, 6675-7	16.4	94
53	Wavelength control of diastereodifferentiating Paterno-Buchi reaction of chiral cyanobenzoates with diphenylethene through direct versus charge-transfer excitation. *Journal of the American Chemical Society*, **2009**, 131, 17076-7	16.4	28
52	Competitive enantiodifferentiating anti-Markovnikov photoaddition of water and methanol to 1,1-diphenylpropene using a sensitizing cyclodextrin host. *Journal of Organic Chemistry*, **2009**, 74, 6714-27	4.2	33
51	Chirality-sensing supramolecular systems. *Chemical Reviews*, **2008**, 108, 1-73	68.1	936
50	Enantiodifferentiating photoisomerization of cyclooctene included and sensitized by aroyl-beta-cyclodextrins: a critical enantioselectivity control by substituents. *Journal of Organic Chemistry*, **2008**, 73, 7695-701	4.2	49
49	Highly stereoselective photocyclodimerization of alpha-cyclodextrin-appended anthracene mediated by gamma-cyclodextrin and cucurbit[8]uril: a dramatic steric effect operating outside the binding site. *Journal of the American Chemical Society*, **2008**, 130, 8574-5	16.4	176
48	Supramolecular enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate mediated by capped gamma-cyclodextrins: critical control of enantioselectivity by cap rigidity. *Journal of Organic Chemistry*, **2008**, 73, 5786-94	4.2	53
47	Synthesis and Characterization of Silica Nanotubes with Radially Oriented Mesopores. *Advanced Functional Materials*, **2008**, 18, 541-550	15.6	60
46	Experimental and theoretical study of the CD spectra and conformational properties of axially chiral 2,2S, 3,3S, and 4,4Sbiphenol ethers. *Journal of Physical Chemistry A*, **2007**, 111, 4222-34	2.8	55
45	Quantum chemical study on the circular dichroism spectra and specific rotation of donor-acceptor cyclophanes. *Journal of Physical Chemistry A*, **2007**, 111, 7995-8006	2.8	39
44	Highly enantiomeric supramolecular [4 + 4] photocyclodimerization of 2-anthracenecarboxylate mediated by human serum albumin. *Journal of the American Chemical Society*, **2007**, 129, 3478-9	16.4	110
43	A combined experimental and theoretical study on the conformation of multiarmed chiral aryl ethers. *Journal of Organic Chemistry*, **2007**, 72, 6998-7010	4.2	28
42	Regioselective [2 + 2]-photocycloaddition reactions of chiral tetronates-influence of temperature, pressure, and reaction medium. *Chemical Communications*, **2007**, 822-4	5.8	26
41	Microcalorimetry **2006**, 199-230		14
40	Enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid mediated by gamma-cyclodextrins with a flexible or rigid cap. *Organic Letters*, **2006**, 8, 3005-8	6.2	69

39	Pressure and temperature-controlled enantiodifferentiating [4+4] photocyclodimerization of 2-anthracenecarboxylate mediated by secondary face- and skeleton-modified gamma-cyclodextrins. *Journal of Organic Chemistry*, **2006**, 71, 3126-36	4.2	71
38	Electrostatic manipulation of enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate within gamma-cyclodextrin cavity through chemical modification. inverted product distribution and enhanced enantioselectivity. *Journal of the American Chemical*	16.4	106
37	Enantiodifferentiating [4+4] photocyclodimerization of 2-anthracenecarboxylate catalyzed by 6A,6X-diamino-6A,6X-dideoxy-Cyclodextrins: Manipulation of product chirality by electrostatic interaction, temperature and solvent in supramolecular photochirogenesis. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 173, 375-383	4.7	59
36	Enhanced diastereoselectivity via confinement: photoisomerization of 2,3-diphenylcyclopropane-1-carboxylic acid derivatives within zeolites. *Journal of Organic Chemistry* , **2004**, 69, 6533-47	4.2	31
35	Temperature and solvent control of the stereoselectivity in the reactions of singlet oxygen with oxazolidinone-substituted enecarbamates. *Journal of the American Chemical Society*, **2004**, 126, 10498-9	16.4	49
34	First Synthesis, Isolation and Characterization of Enantiomerically Pure and Inherently Chiral Resorc[4]arenes by Lewis Acid Cyclization of a Resorcinol Monoalkyl Ether. *European Journal of Organic Chemistry*, **2003**, 2003, 1404-1409	3.2	36
33	Supramolecular catalysis of the enantiodifferentiating [4 + 4] photocyclodimerization of 2-anthracenecarboxylate by gamma-cyclodextrin. *Journal of the American Chemical Society*, **2003**, 125, 966-72	16.4	185
32	Pressure control of enantiodifferentiating photoisomerization of cyclooctenes sensitized by chiral benzenepolycarboxylates. The origin of discontinuous pressure dependence of the optical yield. *Organic and Biomolecular Chemistry*, **2003**, 1, 4435-40	3.9	24
31	Phase-sensitive supramolecular chirogenesis in bisporphyrin systems. *Angewandte Chemie - International Edition*, **2002**, 41, 1378-81	16.4	39
30	Unique dual fluorescence of sterically congested hexaalkyl benzenehexacarboxylates: mechanism and application to viscosity probing. *Journal of the American Chemical Society*, **2002**, 124, 6942-9	16.4	35
29	Discontinuous pressure effect upon enantiodifferentiating photosensitized isomerization of cyclooctene. *Chemical Communications*, **2002**, 1272-3	5.8	19
28	Photoinduced Electron-Transfer Oxidation of Olefins with Molecular Oxygen Sensitized by Tetrasubstituted Dimethoxybenzenes: A Non-Singlet-Oxygen Mechanism. *Helvetica Chimica Acta*, **2001**, 84, 2693	2	9
27	Complexation Thermodynamics of p-tert-Butylcalix[4]arene Derivatives with Light Lanthanoid Nitrates in Acetonitrile. *Supramolecular Chemistry*, **2001**, 13, 529-537	1.8	8
26	Conformation and recognition control of peptide ribonucleic acid containing pyrimidine/purine mixed sequence. *Nucleic Acids Symposium Series*, **2001**, 229-30		
25	Cooperative multiple recognition by novel calix[4]arene-tethered beta-cyclodextrin and calix[4]arene-bridged bis(beta-cyclodextrin). *Journal of Organic Chemistry*, **2001**, 66, 7209-15	4.2	32
24	First photosensitized enantiodifferentiating isomerization by optically active sensitizer immobilized in zeolite supercages. *Chemical Communications*, **2001**, 1864-5	5.8	30
23	Molecular Recognition Study on a Supramolecular System. Part 21. Inclusion Complexation Thermodynamics of Aliphatic Alcohols by Organoselenium Modified Cyclodextrins. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2000**, 36, 311-325		6
22	Molecular Recognition of Aliphatic Alcohols and Carboxylic Acid by Chromophoric Cyclodextrins. *Supramolecular Chemistry*, **2000**, 12, 243-253	1.8	3

21	Molecular Recognition Studies on Supramolecular Systems. 29. Anilino- and m-Toluidino-Cyclodextrins: Structural and Conformational Analyses and Molecular Recognition of Aliphatic Alcohols. *Supramolecular Chemistry*, **2000**, 12, 299-316	1.8	13
20	Entropy-Controlled Asymmetric Photochemistry: Switching of Product Chirality by Solvent. *Journal of the American Chemical Society*, **2000**, 122, 406-407	16.4	102
19	Enantiodifferentiating photocyclodimerization of cyclohexene sensitized by chiral benzenecarboxylates. *Perkin Transactions II RSC*, **2000**, 737-747		15
18	Enantiodifferentiating photocyclodimerization of cyclohexa-1,3-diene sensitized by chiral arenecarboxylates. *Perkin Transactions II RSC*, **2000**, 77-84		14
17	Photochirogenesis: multidimensional control of asymmetric photochemistry. *Chemical Communications*, **2000**, 251-259	5.8	66
16	Supramolecular photochirogenesis. 2. Enantiodifferentiating photoisomerization of cyclooctene included and sensitized by 6-O-modified cyclodextrins. *Journal of Organic Chemistry*, **2000**, 65, 8041-50	4.2	71
15	Peptide Ribonucleic Acids (PRNA). 2. A Novel Strategy for Active Control of DNA Recognition through Borate Ester Formation. *Journal of the American Chemical Society*, **2000**, 122, 6900-6910	16.4	44
14	Molecular Design of Crown Ethers. 17[1]. Complexation Thermodynamics of Light Lanthanoid Nitrates with N-Benzylaza-21-crown-7 in Acetonitrile. *Supramolecular Chemistry*, **2000**, 11, 239-245	1.8	3
13	Recognition control of the nucleic acid model through conformational switching of nucleobase induced by borate ester formation of cis-2,3-diol. *Nucleic Acids Symposium Series*, **1999**, 145-6		1
12	Novel o-Phenylenediseleno Bridged Bis (-cyclodextrin)s Complexes with Platinum(IV) and Palladium(II) Ions. *Supramolecular Chemistry*, **1999**, 10, 279-285	1.8	43
11	Enantioselective Recognition of Aliphatic Amino Acids by Organoselenium Modified -Cyclodextrins. *Supramolecular Chemistry*, **1999**, 10, 173-184	1.8	15
10	Complexation Thermodynamics of Selenacrown Ether: Origin of High Silver(I) Selectivity of 1,5,14,18-Tetraselena-8,11,21,24-tetraoxacyclohexacosane. *Journal of Chemical Research*, **1999**, 23, 284-285	0.6	
9	Synthesis and crystal structure of [Y(NO3)3(OH2)3]·(Me2-16-crown-5)·H2O. *Journal of Chemical Crystallography*, **1998**, 28, 197-201	0.5	2
8	Pressure and Temperature Control of Product Chirality in Asymmetric Photochemistry. Enantiodifferentiating Photoisomerization of Cyclooctene Sensitized by Chiral Benzenepolycarboxylates. *Journal of the American Chemical Society*, **1998**, 120, 10687-10696	16.4	81
7	Complexation Thermodynamics of Crown Ethers. 6.1,2 Calorimetric Titration of Cation Complexation with Some Azacrown Ethers. *Journal of Organic Chemistry*, **1998**, 63, 2144-2147	4.2	19
6	Complexation Thermodynamics of Cyclodextrins. *Chemical Reviews*, **1998**, 98, 1875-1918	68.1	2627
5	Direct Thin -Layer Chromatographic Separation of Enantiomers of Six selected Amino Acids Using 2-O-[(R)-2-Hydroxypropyl]-CD as a Mobile Phase Additive. *Analytical Letters*, **1995**, 28, 2041-2048	2.2	12
4	Inclusion-Enhanced Optical Yield and E/Z Ratio in Enantiodifferentiating Photoisomerization of Cyclooctene Included and Sensitized by .beta.-Cyclodextrin Monobenzoate. *Journal of the American Chemical Society*, **1995**, 117, 11033-11034	16.4	66

3	Asymmetric photochemical reactions in solution. *Chemical Reviews*, **1992**, 92, 741-770	68.1	543
2	An optical yield that increases with temperature in a photochemically induced enantiomeric isomerization. *Nature*, **1989**, 341, 225-226	50.4	83
1	Optical Trapping-Induced New Polymorphism of Cyclodextrin in Unsaturated Solution. *Crystal Growth and Design*,	3.5	1