

Tadashi Mori

List of Publications by Year in descending order

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226
papers

8,433
citations

50276

46
h-index

62596

80
g-index

242
all docs

242
docs citations

242
times ranked

6059
citing authors

#	ARTICLE	IF	CITATIONS
1	A synthetic host-guest system achieves avidin-biotin affinity by overcoming enthalpy–entropy compensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20737-20742.	7.1	534
2	A rational strategy for the realization of chain-growth supramolecular polymerization. <i>Science</i> , 2015, 347, 646-651.	12.6	518
3	Circularly Polarized Luminescence and Circular Dichroisms in Small Organic Molecules: Correlation between Excitation and Emission Dissymmetry Factors. <i>ChemPhotoChem</i> , 2018, 2, 386-402.	3.0	504
4	Chiroptical Properties of Symmetric Double, Triple, and Multiple Helicenes. <i>Chemical Reviews</i> , 2021, 121, 2373-2412.	47.7	334
5	Theoretical and Experimental Studies on Circular Dichroism of Carbo[n]helicenes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7372-7385.	2.5	239
6	Highly Stereoselective Photocyclodimerization of β -Cyclodextrin-Appended Anthracene Mediated by β -Cyclodextrin and Cucurbit[8]uril: A Dramatic Steric Effect Operating Outside the Binding Site. <i>Journal of the American Chemical Society</i> , 2008, 130, 8574-8575.	13.7	194
7	Temperature-Driven Planar Chirality Switching of a Pillar[5]arene-Based Molecular Universal Joint. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6869-6873.	13.8	161
8	Symmetry-based rational design for boosting chiroptical responses. <i>Communications Chemistry</i> , 2018, 1, .	4.5	153
9	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1867-1875.	2.5	133
10	Highly Enantiomeric Supramolecular [4 + 4] Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Human Serum Albumin. <i>Journal of the American Chemical Society</i> , 2007, 129, 3478-3479.	13.7	114
11	Catalytic Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylic Acid Mediated by a Non-Sensitizing Chiral Metallosupramolecular Host. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6675-6677.	13.8	104
12	Helix Sense-Selective Supramolecular Polymerization Seeded by a One-Handed Helical Polymeric Assembly. <i>Journal of the American Chemical Society</i> , 2015, 137, 13792-13795.	13.7	101
13	Bovine Serum Albumin-Mediated Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate. <i>Journal of the American Chemical Society</i> , 2003, 125, 7492-7493.	13.7	99
14	Dual Supramolecular Photochirogenesis: Ultimate Stereocontrol of Photocyclodimerization by a Chiral Scaffold and Confining Host. <i>Journal of the American Chemical Society</i> , 2011, 133, 13786-13789.	13.7	97
15	Supramolecular Photochirogenesis Driven by Higher-Order Complexation: Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate to Slipped Cyclodimers via a 2:2 Complex with β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2018, 140, 3959-3974.	13.7	88
16	Energetics of Baird aromaticity supported by inversion of photoexcited chiral [4n]annulene derivatives. <i>Nature Communications</i> , 2017, 8, 346.	12.8	86
17	Circular Dichroism of (Di)methyl- and Diaza[6]helicenes. A Combined Theoretical and Experimental Study. <i>Journal of Physical Chemistry A</i> , 2013, 117, 83-93.	2.5	84
18	C ₅ -Symmetric Chiral Corannulenes: Desymmetrization of Bowl Inversion Equilibrium via π -Intramolecular-Hydrogen-Bonding Network. <i>Journal of the American Chemical Society</i> , 2014, 136, 10640-10644.	13.7	78

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19	Theoretical and Experimental Investigations of Circular Dichroism and Absolute Configuration Determination of Chiral Anthracene Photodimers. <i>Journal of the American Chemical Society</i> , 2012, 134, 4990-4997.	13.7	76
20	Dynamic propeller conformation for the unprecedentedly high degree of chiral amplification of supramolecular helices. <i>Chemical Science</i> , 2016, 7, 6689-6694.	7.4	76
21	Pressure and Temperature-Controlled Enantiodifferentiating [4+4] Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Secondary Face- and Skeleton-Modified β -Cyclodextrins. <i>Journal of Organic Chemistry</i> , 2006, 71, 3126-3136.	3.2	74
22	Irreverent Nature of Dissymmetry Factor and Quantum Yield in Circularly Polarized Luminescence of Small Organic Molecules. <i>Frontiers in Chemistry</i> , 2020, 8, 448.	3.6	72
23	Supramolecular Photochirogenesis with Biomolecules. Mechanistic Studies on the Enantiodifferentiation for the Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Bovine Serum Albumin. <i>Journal of Organic Chemistry</i> , 2007, 72, 2707-2715.	3.2	70
24	An Ultimate Stereocontrol in Supramolecular Photochirogenesis: Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Sulfur-Linked β -Cyclodextrin Dimers. <i>Journal of the American Chemical Society</i> , 2019, 141, 9225-9238.	13.7	70
25	Ammonia-Driven Chirality Inversion and Enhancement in Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Diguanidino- β -cyclodextrin. <i>Journal of the American Chemical Society</i> , 2014, 136, 6916-6919.	13.7	69
26	Novel cation- π interaction revealed by crystal structure of thermoalkalophilic lipase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 592-598.	2.6	68
27	Overttemperature-protection intelligent molecular chiroptical photoswitches. <i>Nature Communications</i> , 2021, 12, 2600.	12.8	66
28	Explaining the Highly Enantiomeric Photocyclodimerization of 2-Anthracenecarboxylate Bound to Human Serum Albumin Using Time-Resolved Anisotropy Studies. <i>Journal of the American Chemical Society</i> , 2013, 135, 203-209.	13.7	62
29	Enantiodifferentiating [4+4] photocyclodimerization of 2-anthracenecarboxylate catalyzed by 6A,6X-diamino-6A,6X-dideoxy- β -cyclodextrins: Manipulation of product chirality by electrostatic interaction, temperature and solvent in supramolecular photochirogenesis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 173, 375-383.	3.9	60
30	Absolute Configuration of Chiral [2.2]Paracyclophanes with Intramolecular Charge-Transfer Interaction. Failure of the Exciton Chirality Method and Use of the Sector Rule Applied to the Cotton Effect of the CT Transition. <i>Journal of the American Chemical Society</i> , 2005, 127, 8242-8243.	13.7	59
31	Supramolecular Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylate Mediated by Capped β -Cyclodextrins: Critical Control of Enantioselectivity by Cap Rigidity. <i>Journal of Organic Chemistry</i> , 2008, 73, 5786-5794.	3.2	58
32	Mediation of Conformationally Controlled Photodecarboxylations of Chiral and Cyclic Aryl Esters by Substrate Structure, Temperature, Pressure, and Medium Constraints. <i>Journal of the American Chemical Society</i> , 2004, 126, 8961-8975.	13.7	57
33	Time Dependent Density Functional Theory Calculations for Electronic Circular Dichroism Spectra and Optical Rotations of Conformationally Flexible Chiral Donor-Acceptor Dyad. <i>Journal of Organic Chemistry</i> , 2006, 71, 9797-9806.	3.2	57
34	Charge-transfer excitation: unconventional yet practical means for controlling stereoselectivity in asymmetric photoreactions. <i>Chemical Society Reviews</i> , 2013, 42, 8122.	38.1	57
35	Inherently Chiral Azonia[6]helicene-Modified β -Cyclodextrin: Synthesis, Characterization, and Chirality Sensing of Underivatized Amino Acids in Water. <i>Journal of Organic Chemistry</i> , 2016, 81, 3430-3434.	3.2	57
36	Experimental and Theoretical Study of the CD Spectra and Conformational Properties of Axially Chiral 2,2'-, 3,3'-, and 4,4'-Biphenol Ethers. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4222-4234.	2.5	56

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37	Dipentamethylene thiuram monosulfide is a novel inhibitor of Pin1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 394-398.	2.1	56
38	Supramolecular enantiodifferentiating photoisomerization of cyclooctene with modified β -cyclodextrins: critical control by a host structure. <i>Chemical Communications</i> , 2008, , 374-376.	4.1	53
39	Porphyrin-Based Air-Stable Helical Radicals. <i>Chemistry - A European Journal</i> , 2018, 24, 572-575.	3.3	52
40	Combined Experimental and Theoretical Study on Circular Dichroism and Circularly Polarized Luminescence of Configurationally Robust C_{3h} -Symmetric Triple Pentahelicene. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7378-7384.	2.5	52
41	Enantiodifferentiating Photoisomerization of Cyclooctene Included and Sensitized by Aroyl- β -cyclodextrins: A Critical Enantioselectivity Control by Substituents. <i>Journal of Organic Chemistry</i> , 2008, 73, 7695-7701.	3.2	51
42	Dynamic Switching between Single- and Double-Axial Rotaxanes Manipulated by Charge and Bulkiness of Axle Termini. <i>Organic Letters</i> , 2007, 9, 4789-4792.	4.6	50
43	Theoretical and Experimental Studies of Circular Dichroism of Mono- and Diazo[6]helicenes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5082-5092.	2.5	49
44	Ozone-mediated Nitration of Aromatic Compounds with Lower Oxides of Nitrogen (The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (K	1.8	48
45	Metal-Organic Nanotube with Helical and Propeller-Chiral Motifs Composed of a C_{10h} -Symmetric Double-Decker Nanoring. <i>Journal of the American Chemical Society</i> , 2015, 137, 7628-7631.	13.7	48
46	Optical Activity and Optical Anisotropy in Photomechanical Crystals of Chiral Salicylidenephenylethylamines. <i>Journal of the American Chemical Society</i> , 2016, 138, 15066-15077.	13.7	48
47	Closed Pentaaza[9]helicene and Hexathia[9]/[5]helicene: Oxidative Fusion Reactions of $ortho$ -Phenylene-Bridged Cyclic Hexapyrroles and Hexathiophenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14688-14693.	13.8	47
48	Supramolecular Complexation and Enantiodifferentiating Photocyclodimerization of 2-Anthracenecarboxylic Acid with 4-Aminoprolinol Derivatives as Chiral Hydrogen-Bonding Templates. <i>Journal of Organic Chemistry</i> , 2009, 74, 7908-7921.	3.2	46
49	Phase-controlled supramolecular photochirogenesis in cyclodextrin nanosponges. <i>Chemical Communications</i> , 2013, 49, 3510.	4.1	44
50	Side-Chain Nitration of Styrene and Para-Substituted Derivatives with a Combination of Nitrogen Dioxide and Ozone. <i>Journal of Organic Chemistry</i> , 1997, 62, 6498-6502.	3.2	43
51	Entropy-Controlled Supramolecular Photochirogenesis: β -Enantiodifferentiating β -Photoisomerization of Cyclooctene Included and Sensitized by Permethylated 6-O-Modified β -Cyclodextrins. <i>Journal of Organic Chemistry</i> , 2006, 71, 8233-8243.	3.2	43
52	Axial Chirality of Donor-Acceptor, and Tethered 1,1'-Binaphthyls: A Theoretical Revisit with Dynamics Trajectories. <i>Journal of Physical Chemistry A</i> , 2011, 115, 5488-5495.	2.5	43
53	$Planar$ -to- $Planar$ Chirality Transfer in the Excited State. Enantiodifferentiating Photoisomerization of Cyclooctenes Sensitized by Planar-Chiral Paracyclophane. <i>Journal of the American Chemical Society</i> , 2011, 133, 10379-10381.	13.7	43
54	Quantum Chemical Study on the Circular Dichroism Spectra and Specific Rotation of Donor-Acceptor Cyclophanes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7995-8006.	2.5	42

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55	Diastereoselective [2 + 2] Photocycloaddition of Stilbene to Chiral Fumarate. Direct versus Charge-Transfer Excitation. <i>Journal of the American Chemical Society</i> , 2004, 126, 1900-1906.	13.7	41
56	Chiral Organic Radical Cation and Dication. A Reversible Chiroptical Redox Switch Based on Stepwise Transformation of Optically Active Tetrakis(p-alkoxyphenyl)ethylenes to Radical Cations and Dications. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2728-2740.	2.5	41
57	Wavelength-controlled supramolecular photocyclodimerization of anthracenecarboxylate mediated by β -cyclodextrins. <i>Chemical Communications</i> , 2011, 47, 6849.	4.1	41
58	Solvent and Temperature Effects on Diastereodifferentiating Patern β chi Reaction of Chiral Alkyl Cyanobenzoates with Diphenylethene upon Direct versus Charge-Transfer Excitation. <i>Journal of Organic Chemistry</i> , 2010, 75, 5461-5469.	3.2	40
59	Significant Enhancement of Absorption and Luminescence Dissymmetry Factors in the Far-Red Region: A Zinc(II) Homoleptic Helicate Formed by a Pair of Achiral Dipyrromethene Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 16889-16894.	3.3	40
60	Iron(III)-catalysed nitration of non-activated and moderately activated arenes with nitrogen dioxide β molecular oxygen under neutral conditions. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 2385-2389.	0.9	39
61	Cyclodextrins with Multiple Pyrenyl Groups: An Approach to Organic Molecules Exhibiting Bright Excimer Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202114700.	13.8	39
62	Entropy-controlled supramolecular photochirogenesis: enantiodifferentiating Zn β E photoisomerization of cyclooctene included and sensitized by permethylated 6-O-benzoyl- β -cyclodextrin. <i>Chemical Communications</i> , 2005, , 4199.	4.1	38
63	Supramolecular enantiodifferentiating photoisomerization of (Z,Z)-1,3-cyclooctadiene included and sensitized by naphthalene-modified cyclodextrins. <i>New Journal of Chemistry</i> , 2007, 31, 697.	2.8	38
64	Competitive Enantiodifferentiating Anti-Markovnikov Photoaddition of Water and Methanol to 1,1-Diphenylpropene Using A Sensitizing Cyclodextrin Host. <i>Journal of Organic Chemistry</i> , 2009, 74, 6714-6727.	3.2	38
65	Temperature β Driven Planar Chirality Switching of a Pillar[5]arene β Based Molecular Universal Joint. <i>Angewandte Chemie</i> , 2017, 129, 6973-6977.	2.0	38
66	Cyclodextrin nanosponge-sensitized enantiodifferentiating photoisomerization of cyclooctene and 1,3-cyclooctadiene. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1305-1311.	2.2	36
67	Propeller Chirality of Boron Heptaaryldipyrromethene: Unprecedented Supramolecular Dimerization and Chiroptical Properties. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 42-48.	4.6	36
68	Synthesis, Structures, and Optical Properties of Azahelicene Derivatives and Unexpected Formation of Azahepta[8]circulenes. <i>Chemistry - A European Journal</i> , 2018, 24, 7489-7497.	3.3	36
69	Spiroborate-Based Double-Stranded Helicates: <i>Meso</i> -to- <i>Racemo</i> Isomerization and Ion-Triggered Springlike Motion of the <i>Racemo</i> -Helicate. <i>Journal of the American Chemical Society</i> , 2018, 140, 17027-17039.	13.7	36
70	A Thioxanthone Sensitizer with a Chiral Phosphoric Acid Binding Site: Properties and Applications in Visible Light β Mediated Cycloadditions. <i>Chemistry - A European Journal</i> , 2020, 26, 5190-5194.	3.3	36
71	Toroidal Interaction and Propeller Chirality of Hexaarylbenzenes. Dynamic Domino Inversion Revealed by Combined Experimental and Theoretical Circular Dichroism Studies. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 783-788.	4.6	35
72	Circular Dichroism of Intra- and Intermolecular Charge-Transfer Complexes. Enhancement of Anisotropy Factors by Dimer Formation and by Confinement. <i>Journal of Organic Chemistry</i> , 2006, 71, 3232-3247.	3.2	34

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73	Wavelength Control of Diastereodifferentiating Patern ³ B ^{1/4} chi Reaction of Chiral Cyanobenzoates with Diphenylethene through Direct versus Charge-Transfer Excitation. <i>Journal of the American Chemical Society</i> , 2009, 131, 17076-17077.	13.7	34
74	Sign inversion of circularly polarized luminescence by geometry manipulation of four naphthalene units introduced into a tartaric acid scaffold. <i>Chemical Communications</i> , 2014, 50, 12836-12839.	4.1	34
75	Nickel(0)/N-Heterocyclic Carbene-Catalyzed Asymmetric [2 + 2 + 2] Cycloaddition of Two Enones and an Alkyne: Access to Cyclohexenes with Four Contiguous Stereogenic Centers. <i>Organic Letters</i> , 2015, 17, 6018-6021.	4.6	34
76	Enantioselectivity of 2,2 ² ,3,5 ² ,6-Pentachlorobiphenyl (PCB 95) Atropisomers toward Ryanodine Receptors (RyRs) and Their Influences on Hippocampal Neuronal Networks. <i>Environmental Science & Technology</i> , 2017, 51, 14406-14416.	10.0	33
77	A dual inhibitor against prolyl isomerase Pin1 and cyclophilin discovered by a novel real-time fluorescence detection method. <i>Biochemical and Biophysical Research Communications</i> , 2011, 406, 439-443.	2.1	32
78	Combined Experimental and Quantum Chemical Investigation of Chiroptical Properties of Nicotinamide Derivatives with and without Intramolecular Cation ⁺ Interactions. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8754-8764.	2.5	31
79	Supramolecular Photochirogenesis with a Higher-Order Complex: Highly Accelerated Exclusively Head-to-Head Photocyclodimerization of 2-Anthracenecarboxylic Acid via 2:2 Complexation with Prolinol. <i>Journal of the American Chemical Society</i> , 2016, 138, 12187-12201.	13.7	31
80	Intense redox-driven chiroptical switching with a 580 mV hysteresis actuated through reversible dimerization of an azoniahelicene. <i>Chemical Communications</i> , 2017, 53, 9059-9062.	4.1	31
81	X-Ray structure of bridged 2,2 ² -bi(adamant-2-ylidene) chloronium cation and comparison of its reactivity with a singly-bonded chloroarenium cation. <i>Chemical Communications</i> , 1998, , 927-928.	4.1	30
82	A remarkable stereoselectivity switching upon solid-state versus solution-phase enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylic acid mediated by native and 3,6-anhydro- β -cyclodextrins. <i>Tetrahedron Letters</i> , 2007, 48, 4357-4360.	1.4	30
83	Enantiodifferentiating Photoaddition of Alcohols to 1,1-Diphenylpropene in Supercritical Carbon Dioxide: A Sudden Jump of Optical Yield at the Critical Density. <i>Journal of the American Chemical Society</i> , 2004, 126, 6568-6569.	13.7	29
84	A Combined Experimental and Theoretical Study on the Conformation of Multiarmed Chiral Aryl Ethers. <i>Journal of Organic Chemistry</i> , 2007, 72, 6998-7010.	3.2	29
85	Combined Experimental and Theoretical Investigations on Optical Activities of M ⁺ bius Aromatic and M ⁺ bius Antiaromatic Hexaphyrin Phosphorus Complexes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4241-4248.	2.5	29
86	Excited-State Dynamics Achieved Ultimate Stereocontrol of Photocyclodimerization of Anthracenecarboxylates on a Glucose Scaffold. <i>Journal of the American Chemical Society</i> , 2015, 137, 15007-15014.	13.7	28
87	Entrainer Effect on Photochirogenesis in Near- and Supercritical Carbon Dioxide: Dramatic Enhancement of Enantioselectivity. <i>Journal of the American Chemical Society</i> , 2008, 130, 7526-7527.	13.7	27
88	Absolute Configuration of Atropisomeric Polychlorinated Biphenyl 183 Enantiomerically Enriched in Human Samples. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9340-9346.	2.5	27
89	Pressure control of enantiodifferentiating photoisomerization of cyclooctenes sensitized by chiral benzenepolycarboxylates. The origin of discontinuous pressure dependence of the optical yield. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 4435.	2.8	26
90	Ozone-mediated nitration of alkylbenzenes and related compounds with nitrogen dioxide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1591.	0.9	25

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91	Steric Hindrance as a Mechanistic Probe for Olefin Reactivity: Variability of the Hydrogenic Canopy over the Isomeric Adamantylideneadamantane/Sesquihomoadamantene Pair (A Combined Experimental) Tj ETQq1 3.0.7843145rgBT /Ov	13.8	25
92	Circular Dichroism of a Chiral Tethered Donor–Acceptor System: Enhanced Anisotropy Factors in Charge-Transfer Transitions by Dimer Formation and by Confinement. Angewandte Chemie - International Edition, 2005, 44, 2582-2585.	13.8	25
93	Enantioselective [4+4] photodimerization of anthracene-2,6-dicarboxylic acid mediated by a C ₂ -symmetric chiral template. Chemical Communications, 2016, 52, 1032-1035.	4.1	25
94	Ozone-Mediated Nitration of Phenylalkyl Ethers, Phenylacetic Esters, and Related Compounds with Nitrogen Dioxide. The Highest Ortho Substitution Observed in the Electrophilic Nitration of Arenes. Journal of Organic Chemistry, 1996, 61, 5944-5947.	3.2	24
95	Photoinduced electron transfer oxidation of 1-methylstyrene with molecular oxygen sensitized by dimethoxybenzenes: a non-singlet-oxygen mechanism. Tetrahedron Letters, 2001, 42, 2505-2508.	1.4	24
96	Closed Pentaaza[9]helicene and Hexathia[9]/[5]helicene: Oxidative Fusion Reactions of ortho-Phenylene-Bridged Cyclic Hexapyrroles and Hexathiophenes. Angewandte Chemie, 2017, 129, 14880-14885.	2.0	24
97	Ozone-mediated nitration of naphthalene and some methyl derivatives with nitrogen dioxide. Remarkable enhancement of the 1-nitro/2-nitro isomer ratio and mechanistic implications. Journal of the Chemical Society Perkin Transactions II, 1996, , 677.	0.9	23
98	Perfect Switching of Photoreactivity by Acid: Photochemical Decarboxylation versus Transesterification of Mesityl Cyclohexanecarboxylate. Organic Letters, 2000, 2, 3401-3404.	4.6	23
99	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.	2.5	23
100	Fluorescein-Based Type I Supramolecular Photosensitizer via Induction of Charge Separation by Self-Assembly. JACS, 2022, 144, 1472-1478.	7.9	23
101	C-Nitration of pyridine by the kyodai-nitration modified by the Bakke procedure. A simple route to 3-nitropyridine and mechanistic aspect of its formation. Tetrahedron Letters, 1997, 38, 5647-5650.	1.4	22
102	Discontinuous pressure effect upon enantiodifferentiating photosensitized isomerization of cyclooctene. Chemical Communications, 2002, , 1272-1273.	4.1	22
103	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.	4.6	22
104	Möbius Aromatic [28]Hexaphyrin Germanium(IV) and Tin(IV) Complexes: Efficient Formation of Triplet Excited States. Angewandte Chemie - International Edition, 2017, 56, 3982-3986.	13.8	22
105	A BODIPY-based near infrared fluorescent probe for Fe ³⁺ in water. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 78-83.	3.9	22
106	Hydrostatic Pressure on Toroidal Interaction and Propeller Chirality of Hexaarylbenzenes: Explicit Solvent Effects on Differential Volumes in Methylcyclohexane and Hexane. Chemistry - A European Journal, 2019, 25, 2011-2018.	3.3	22
107	Enhanced Photodecarboxylation of an Aryl Ester in Polyethylene Films. Organic Letters, 2003, 5, 4661-4664.	4.6	21
108	Diastereodifferentiating the [2+2] Photocycloaddition of Ethylene to Arylmethyl Cyclohexanecarboxylates: Stacking-Driven Enhancement of the Product Diastereoselectivity That Is Correlated with the Reactant Ellipticity. Chemistry - A European Journal, 2010, 16, 7448-7455.	3.3	21

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109	Bio-supramolecular photochirogenesis with molecular chaperone: enantiodifferentiating photocyclodimerization of 2-anthracenecarboxylate mediated by prefoldin. Photochemical and Photobiological Sciences, 2010, 9, 655-660.	2.9	21
110	Novel [2 + 2] Photocycloaddition-Induced Rearrangement of Bichromophoric Naphthalene-Tethered Resorcinol Ethers. Journal of Organic Chemistry, 2002, 67, 2315-2322.	3.2	20
111	A New Class of Chiroptical Molecular Switches Based on the Redox-Induced Conformational Changes. Organic Letters, 2007, 9, 3977-3980.	4.6	20
112	Inherently Chiral Molecular Clips: Synthesis, Chiroptical Properties, and Application to Chiral Discrimination. Chemistry - A European Journal, 2007, 13, 2473-2479.	3.3	20
113	Acid-controlled photoreactions of aryl alkanoates: competition of transesterification, decarboxylation, Fries-rearrangement and/or transposition This paper is dedicated to Professor Fred Lewis on the event of his 60th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 1187.	2.9	19
114	Mechanistic Study on the Enantiodifferentiating Anti-Markovnikov Photoaddition of Alcohols to 1,1-Diphenyl-1-alkenes in Near-Critical and Supercritical Carbon Dioxide. Journal of Physical Chemistry A, 2007, 111, 13432-13440.	2.5	19
115	Recent Theoretical and Experimental Advances in the Electronic Circular Dichroisms of Planar Chiral Cyclophanes. Topics in Current Chemistry, 2010, 298, 99-128.	4.0	19
116	A high-throughput screen for inhibitors of the prolyl isomerase, Pin1, identifies a seaweed polyphenol that reduces adipose cell differentiation. Bioscience, Biotechnology and Biochemistry, 2014, 78, 832-838.	1.3	19
117	Manipulating β -cyclodextrin-mediated photocyclodimerization of anthracenecarboxylate by wavelength, temperature, solvent and host. Photochemical and Photobiological Sciences, 2014, 13, 190-198.	2.9	19
118	pH-Independent Charge Resonance Mechanism for UV Protective Functions of Shinorine and Related Mycosporine-like Amino Acids. Journal of Physical Chemistry A, 2015, 119, 12722-12729.	2.5	19
119	Aggregation-induced photocatalytic activity and efficient photocatalytic hydrogen evolution of amphiphilic rhodamines in water. Chemical Science, 2020, 11, 11843-11848.	7.4	19
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