

Ben Feringa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7462682/publications.pdf>

Version: 2024-02-01

445
papers

43,919
citations

2101

100
h-index

2747

192
g-index

463
all docs

463
docs citations

463
times ranked

24008
citing authors

#	ARTICLE	IF	CITATIONS
1	Light-Driven Spiral Deformation of Supramolecular Helical Microfibers by Localized Photoisomerization. <i>Advanced Optical Materials</i> , 2022, 10, 2101267.	7.3	6
2	Light-gated binding in double-motorized porphyrin cages. <i>Natural Sciences</i> , 2022, 2, .	2.1	1
3	Highly Efficient Biobased Synthesis of Acrylic Acid. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	9
4	Highly Efficient Biobased Synthesis of Acrylic Acid. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	32
5	Acylhydrazine-based reticular hydrogen bonds enable robust, tough, and dynamic supramolecular materials. <i>Science Advances</i> , 2022, 8, eabk3286.	10.3	58
6	In situ EPR and Raman spectroscopy in the curing of bis-methacrylate-styrene resins. <i>RSC Advances</i> , 2022, 12, 2537-2548.	3.6	3
7	Disulfide-Mediated Reversible Polymerization toward Intrinsically Dynamic Smart Materials. <i>Journal of the American Chemical Society</i> , 2022, 144, 2022-2033.	13.7	140
8	Stereodivergent Chirality Transfer by Noncovalent Control of Disulfide Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 4376-4382.	13.7	27
9	Controlling rotary motion of molecular motors based on oxindole. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2084-2092.	4.5	9
10	A molecular motor from lignocellulose. <i>Green Chemistry</i> , 2022, 24, 3689-3696.	9.0	10
11	Photoswitchable architecture transformation of a DNA-hybrid assembly at the microscopic and macroscopic scale. <i>Chemical Science</i> , 2022, 13, 3263-3272.	7.4	9
12	Photoactuating Artificial Muscles of Motor Amphiphiles as an Extracellular Matrix Mimetic Scaffold for Mesenchymal Stem Cells. <i>Journal of the American Chemical Society</i> , 2022, 144, 3543-3553.	13.7	27
13	Hypothesis-Driven, Structure-Based Design in Photopharmacology: The Case of eDHFR Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4798-4817.	6.4	10
14	Digital photoprogramming of liquid-crystal superstructures featuring intrinsic chiral photoswitches. <i>Nature Photonics</i> , 2022, 16, 226-234.	31.4	115
15	Dynamic Control of a Multistate Chiral Supramolecular Polymer in Water. <i>Journal of the American Chemical Society</i> , 2022, 144, 6019-6027.	13.7	36
16	Transforming Dyes into Fluorophores: Exciton-Induced Emission with Chain-Like Oligo-BODIPY Superstructures. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
17	Computational Design, Synthesis, and Photochemistry of Cy7-PPG, an Efficient NIR-Activated Photolabile Protecting Group for Therapeutic Applications**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202201308.	13.8	17
18	Computational Design, Synthesis, and Photochemistry of Cy7-PPG, an Efficient NIR-Activated Photolabile Protecting Group for Therapeutic Applications**. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4

#	ARTICLE	IF	CITATIONS
19	Transforming Dyes into Fluorophores: Exciton-Induced Emission with Chainlike Oligo-BODIPY Superstructures. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
20	Phototriggered Complex Motion by Programmable Construction of Light-Driven Molecular Motors in Liquid Crystal Networks. <i>Journal of the American Chemical Society</i> , 2022, 144, 6851-6860.	13.7	15
21	Photomodulation of Transmembrane Transport and Potential by Stiff-Stilbene Based Bis(thio)ureas. <i>Journal of the American Chemical Society</i> , 2022, 144, 331-338.	13.7	48
22	A light-fuelled nanoratchet shifts a coupled chemical equilibrium. <i>Nature Nanotechnology</i> , 2022, 17, 159-165.	31.5	41
23	P-chirogenic phosphorus compounds by stereoselective Pd-catalysed arylation of phosphoramidites. <i>Nature Catalysis</i> , 2022, 5, 10-19.	34.4	26
24	Cooperative light-induced breathing of soft porous crystals via azobenzene buckling. <i>Nature Communications</i> , 2022, 13, 1951.	12.8	33
25	Controlling forward and backward rotary molecular motion on demand. <i>Nature Communications</i> , 2022, 13, 2124.	12.8	15
26	Light-Control over Casein Kinase 1 γ Activity with Photopharmacology: A Clear Case for Arylazopyrazole-Based Inhibitors. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5326.	4.1	5
27	Light-driven molecular motors embedded in covalent organic frameworks. <i>Chemical Science</i> , 2022, 13, 8253-8264.	7.4	19
28	The Influence of Strain on the Rotation of an Artificial Molecular Motor. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
29	Strategy for Engineering High Photolysis Efficiency of Photocleavable Protecting Groups through Cation Stabilization. <i>Journal of the American Chemical Society</i> , 2022, 144, 12421-12430.	13.7	22
30	Cooperative and synchronized rotation in motorized porous frameworks: impact on local and global transport properties of confined fluids. <i>Faraday Discussions</i> , 2021, 225, 286-300.	3.2	16
31	Tuning of Morphology by Chirality in Self-Assembled Structures of Bis(Urea) Amphiphiles in Water. <i>Chemistry - A European Journal</i> , 2021, 27, 326-330.	3.3	2
32	Stepwise Adsorption of Alkoxy-Pyrene Derivatives onto a Lamellar, Non-Porous Naphthalenediimide-Template on HOPG. <i>Chemistry - A European Journal</i> , 2021, 27, 207-211.	3.3	3
33	Cross-coupling of [¹¹ C]methyl lithium for ¹¹ C-labelled PET tracer synthesis. <i>Chemical Communications</i> , 2021, 57, 203-206.	4.1	5
34	Photoresponsive porous materials. <i>Nanoscale Advances</i> , 2021, 3, 24-40.	4.6	62
35	Self-Assembly of Photoresponsive Molecular Amphiphiles in Aqueous Media. <i>Angewandte Chemie</i> , 2021, 133, 11708-11731.	2.0	18
36	Self-Assembly of Photoresponsive Molecular Amphiphiles in Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11604-11627.	13.8	81

#	ARTICLE	IF	CITATIONS
37	Fast synthesis and redox switching of di- and tetra-substituted bithioxanthylidene overcrowded alkenes. <i>Chemical Communications</i> , 2021, 57, 7665-7668.	4.1	1
38	Enantioselective α -organocatalysis in disguise by the ligand sphere of chiral metal-templated complexes. <i>Chemical Society Reviews</i> , 2021, 50, 9715-9740.	38.1	31
39	Biaryl sulfonamides as cisoid azosteres for photopharmacology. <i>Chemical Communications</i> , 2021, 57, 4126-4129.	4.1	9
40	Pd-catalyzed sp^2 - sp^3 cross-coupling of benzyl bromides using lithium acetylides. <i>Chemical Communications</i> , 2021, 57, 7529-7532.	4.1	6
41	Photo-crosslinking polymers by dynamic covalent disulfide bonds. <i>Chemical Communications</i> , 2021, 57, 9838-9841.	4.1	32
42	Structural Aspects of Photopharmacology: Insight into the Binding of Photoswitchable and Photocaged Inhibitors to the Glutamate Transporter Homologue. <i>Journal of the American Chemical Society</i> , 2021, 143, 1513-1520.	13.7	29
43	Photopharmacological Manipulation of Mammalian CRY1 for Regulation of the Circadian Clock. <i>Journal of the American Chemical Society</i> , 2021, 143, 2078-2087.	13.7	31
44	Tailoring the optical and dynamic properties of iminothioindoxyl photoswitches through acidochromism. <i>Chemical Science</i> , 2021, 12, 4588-4598.	7.4	13
45	Effect of charge-transfer enhancement on the efficiency and rotary mechanism of an oxindole-based molecular motor. <i>Chemical Science</i> , 2021, 12, 7486-7497.	7.4	22
46	Photophysics of First-Generation Photomolecular Motors: Resolving Roles of Temperature, Friction, and Medium Polarity. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1711-1719.	2.5	8
47	Photoresponsive Helical Motion by Light-Driven Molecular Motors in a Liquid-Crystal Network. <i>Angewandte Chemie</i> , 2021, 133, 8332-8338.	2.0	10
48	Excited State Structure Correlates with Efficient Photoconversion in Unidirectional Motors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3367-3372.	4.6	9
49	Photoresponsive Helical Motion by Light-Driven Molecular Motors in a Liquid-Crystal Network. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8251-8257.	13.8	49
50	Mechanism of Resistance Development in <i>E. coli</i> against TCAT, a Trimethoprim-Based Photoswitchable Antibiotic. <i>Pharmaceuticals</i> , 2021, 14, 392.	3.8	10
51	Chiral Amplification of Phosphoramidates of Amines and Amino Acids in Water. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11120-11126.	13.8	9
52	Absolute Configuration Determination from Low ee Compounds by the Crystalline Sponge Method. Unusual Conglomerate Formation in a Pre-Determined Crystalline Lattice. <i>Angewandte Chemie</i> , 2021, 133, 11915-11919.	2.0	0
53	Absolute Configuration Determination from Low ee Compounds by the Crystalline Sponge Method. Unusual Conglomerate Formation in a Pre-Determined Crystalline Lattice. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11809-11813.	13.8	7
54	Dual closed-loop chemical recycling of synthetic polymers by intrinsically reconfigurable poly(disulfides). <i>Matter</i> , 2021, 4, 1352-1364.	10.0	112

#	ARTICLE	IF	CITATIONS
55	From Photoinduced Supramolecular Polymerization to Responsive Organogels. <i>Journal of the American Chemical Society</i> , 2021, 143, 5990-5997.	13.7	66
56	Chiral Amplification of Phosphoramidates of Amines and Amino Acids in Water. <i>Angewandte Chemie</i> , 2021, 133, 11220-11226.	2.0	7
57	Reversible modulation of circadian time with chronopharmacology. <i>Nature Communications</i> , 2021, 12, 3164.	12.8	35
58	Ultrafast Photoclick Reaction for Selective ¹⁸ F-Positron Emission Tomography Tracer Synthesis in Flow. <i>Journal of the American Chemical Society</i> , 2021, 143, 10041-10047.	13.7	22
59	Motorized Macrocyclic Host with Switchable and Stereoselective Guest Recognition. <i>Angewandte Chemie</i> , 2021, 133, 16265-16274.	2.0	11
60	Motorized Macrocyclic Host with Switchable and Stereoselective Guest Recognition. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16129-16138.	13.8	57
61	Multistate Switching of Spin Selectivity in Electron Transport through Light-Driven Molecular Motors. <i>Advanced Science</i> , 2021, 8, e2101773.	11.2	17
62	Predicting the substituent effects in the optical and electrochemical properties of N,N ² -substituted isoindigos. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 927-938.	2.9	5
63	Directing Coupled Motion with Light: A Key Step Toward Machine-Like Function. <i>Chemical Reviews</i> , 2021, 121, 13213-13237.	47.7	53
64	Rational design of a photoswitchable DNA glue enabling high regulatory function and supramolecular chirality transfer. <i>Chemical Science</i> , 2021, 12, 9207-9220.	7.4	21
65	Molecular photoswitches in aqueous environments. <i>Chemical Society Reviews</i> , 2021, 50, 12377-12449.	38.1	170
66	Exploring molecular motors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2900-2906.	5.9	35
67	Reductive stability evaluation of 6-azopurine photoswitches for the regulation of CK1 \pm activity and circadian rhythms. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2312-2321.	2.8	15
68	Visible-Light-Driven Rotation of Molecular Motors in Discrete Supramolecular Metallacycles. <i>Journal of the American Chemical Society</i> , 2021, 143, 442-452.	13.7	72
69	Designing light-driven rotary molecular motors. <i>Chemical Science</i> , 2021, 12, 14964-14986.	7.4	85
70	Phenylimino Indolinone: A Green-Light-Responsive T \rightarrow T Type Photoswitch Exhibiting Negative Photochromism. <i>Angewandte Chemie</i> , 2021, 133, 25494.	2.0	2
71	Three-State Switching of an Anthracene Extended Bis-thioxanthylidene with a Highly Stable Diradical State. <i>Journal of the American Chemical Society</i> , 2021, 143, 18020-18028.	13.7	15
72	Phenylimino Indolinone: A Green-Light-Responsive T \rightarrow T Type Photoswitch Exhibiting Negative Photochromism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25290-25295.	13.8	21

#	ARTICLE	IF	CITATIONS
73	Stereodivergent Anion Binding Catalysis with Molecular Motors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 785-789.	13.8	60
74	Programming nanoparticle valence bonds with single-stranded DNA encoders. <i>Nature Materials</i> , 2020, 19, 781-788.	27.5	166
75	Helix Inversion Controlled by Molecular Motors in Multistate Liquid Crystals. <i>Advanced Materials</i> , 2020, 32, e2004420.	21.0	48
76	Molecular motor-functionalized porphyrin macrocycles. <i>Nature Communications</i> , 2020, 11, 5291.	12.8	21
77	Supramolecular control of unidirectional rotary motion in a sterically overcrowded photoswitchable receptor. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3874-3879.	4.5	13
78	Photoresponsive molecular tools for emerging applications of light in medicine. <i>Chemical Science</i> , 2020, 11, 11672-11691.	7.4	142
79	Synthesis of Core-Modified Third-Generation Light-Driven Molecular Motors. <i>Journal of Organic Chemistry</i> , 2020, 85, 10670-10680.	3.2	10
80	Palladium-catalysed cross-coupling of lithium acetylides. <i>Nature Catalysis</i> , 2020, 3, 664-671.	34.4	23
81	Controlled Diffusion of Photoswitchable Receptors by Binding Anti-electrostatic Hydrogen-Bonded Phosphate Oligomers. <i>Journal of the American Chemical Society</i> , 2020, 142, 20014-20020.	13.7	35
82	Correlating the Influence of Disulfides in Monolayers across Photoelectron Spectroscopy Wettability and Tunneling Charge-Transport. <i>Journal of the American Chemical Society</i> , 2020, 142, 15075-15083.	13.7	19
83	Bottom-Up: Can Supramolecular Tools Deliver Responsiveness from Molecular Motors to Macroscopic Materials?. <i>Matter</i> , 2020, 3, 355-370.	10.0	58
84	A Chemically Driven Rotary Molecular Motor Based on Reversible Lactone Formation with Perfect Unidirectionality. <i>CheM</i> , 2020, 6, 2420-2429.	11.7	27
85	Powering rotary molecular motors with low-intensity near-infrared light. <i>Science Advances</i> , 2020, 6, .	10.3	24
86	A Facile and Reproducible Synthesis of Near-Infrared Fluorescent Conjugates with Small Targeting Molecules for Microbial Infection Imaging. <i>ACS Omega</i> , 2020, 5, 22071-22080.	3.5	6
87	All-Photochemical Rotation of Molecular Motors with a Phosphorus Stereoelement. <i>Journal of the American Chemical Society</i> , 2020, 142, 16868-16876.	13.7	27
88	Combinatorial Selection Among Geometrical Isomers of Discrete Long-Carbon-Chain Naphthalenediimides Induces Local Order at the Liquid/Solid Interface. <i>ACS Nano</i> , 2020, 14, 13865-13875.	14.6	4
89	General Principles for the Design of Visible-Light-Responsive Photoswitches: Tetra <i>ortho</i> -ChloroAzobenzenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21663-21670.	13.8	80
90	Towards artificial molecular factories from framework-embedded molecular machines. <i>Nature Reviews Chemistry</i> , 2020, 4, 550-562.	30.2	97

#	ARTICLE	IF	CITATIONS
91	General Principles for the Design of Visible-Light-Responsive Photoswitches: Tetraortho-Chloro-Azobenzenes. <i>Angewandte Chemie</i> , 2020, 132, 21847-21854.	2.0	26
92	A coating from nature. <i>Science Advances</i> , 2020, 6, .	10.3	35
93	A Photocleavable Contrast Agent for Light-Responsive MRI. <i>Pharmaceuticals</i> , 2020, 13, 296.	3.8	2
94	On the Right Track to Artificial Assemblers. <i>CheM</i> , 2020, 6, 2868-2870.	11.7	4
95	Photoinduced swing of a diarylethene thin broad sword shaped crystal: a study on the detailed mechanism. <i>Chemical Science</i> , 2020, 11, 12307-12315.	7.4	29
96	Phosphoramidite-based photoresponsive ligands displaying multifold transfer of chirality in dynamic enantioselective metal catalysis. <i>Nature Catalysis</i> , 2020, 3, 488-496.	34.4	35
97	Dynamic Assemblies of Molecular Motor Amphiphiles Control Macroscopic Foam Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 10163-10172.	13.7	38
98	Multi-modal control over the assembly of a molecular motor bola-amphiphile in water. <i>Chemical Communications</i> , 2020, 56, 7451-7454.	4.1	14
99	Synthesis and Functionalization of Allenes by Direct Pd-Catalyzed Organolithium Cross-Coupling. <i>Angewandte Chemie</i> , 2020, 132, 7897-7903.	2.0	4
100	Light-induced molecular rotation triggers on-demand release from liposomes. <i>Chemical Communications</i> , 2020, 56, 8774-8777.	4.1	15
101	Modulation of porosity in a solid material enabled by bulk photoisomerization of an overcrowded alkene. <i>Nature Chemistry</i> , 2020, 12, 595-602.	13.6	65
102	Stereodivergent Anion Binding Catalysis with Molecular Motors. <i>Angewandte Chemie</i> , 2020, 132, 795-799.	2.0	14
103	Toughening a Self-Healable Supramolecular Polymer by Ionic Cluster-Enhanced Iron-Carboxylate Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5278-5283.	13.8	173
104	Vision Statement: Materials in Motion. <i>Advanced Materials</i> , 2020, 32, e1906416.	21.0	24
105	Toughening a Self-Healable Supramolecular Polymer by Ionic Cluster-Enhanced Iron-Carboxylate Complexes. <i>Angewandte Chemie</i> , 2020, 132, 5316-5321.	2.0	57
106	Synthesis and Functionalization of Allenes by Direct Pd-Catalyzed Organolithium Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7823-7829.	13.8	23
107	Ultrafast Excited State Dynamics in a First Generation Photomolecular Motor. <i>ChemPhysChem</i> , 2020, 21, 594-599.	2.1	13
108	Engineering Long-Range Order in Supramolecular Assemblies on Surfaces: The Paramount Role of Internal Double Bonds in Discrete Long-Chain Naphthalenediimides. <i>Journal of the American Chemical Society</i> , 2020, 142, 4070-4078.	13.7	19

#	ARTICLE	IF	CITATIONS
109	Unidirectional rotating molecular motors dynamically interact with adsorbed proteins to direct the fate of mesenchymal stem cells. <i>Science Advances</i> , 2020, 6, eaay2756.	10.3	42
110	Modular Medical Imaging Agents Based on Azide-Alkyne Huisgen Cycloadditions: Synthesis and Preclinical Evaluation of ¹⁸ F-Labeled PSMA Tracers for Prostate Cancer Imaging. <i>Chemistry - A European Journal</i> , 2020, 26, 10871-10881.	3.3	13
111	Modulation of a Supramolecular Figure-of-Eight Strip Based on a Photoswitchable Stiff Stilbene. <i>Chemistry - A European Journal</i> , 2020, 26, 7783-7787.	3.3	12
112	Visible-Light-Driven Rotation of Molecular Motors in a Dual-Function Metal-Organic Framework Enabled by Energy Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 9048-9056.	13.7	86
113	Red-light-sensitive BODIPY photoprotecting groups for amines and their biological application in controlling heart rhythm. <i>Chemical Communications</i> , 2020, 56, 5480-5483.	4.1	53
114	Ultrafast Dynamics of Molecular Motors Driven by Near-Infrared Light. , 2020, , .		0
115	Photoefficient 2 nd generation molecular motors responsive to visible light. <i>Chemical Science</i> , 2019, 10, 8768-8773.	7.4	37
116	Salen-Based Amphiphiles: Directing Self-Assembly in Water by Metal Complexation. <i>Angewandte Chemie</i> , 2019, 131, 15077-15081.	2.0	1
117	Salen-Based Amphiphiles: Directing Self-Assembly in Water by Metal Complexation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14935-14939.	13.8	9
118	Reorganization from Kinetically Stable Aggregation States to Thermodynamically Stable Nanotubes of BINOL-Derived Amphiphiles in Water. <i>Langmuir</i> , 2019, 35, 11821-11828.	3.5	4
119	A light-responsive liposomal agent for MRI contrast enhancement and monitoring of cargo delivery. <i>Chemical Communications</i> , 2019, 55, 10784-10787.	4.1	18
120	Object Transportation System Mimicking the Cilia of <i>Paramecium aurelia</i> Making Use of the Light-Controllable Crystal Bending Behavior of a Photochromic Diarylethene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13308-13312.	13.8	27
121	Object Transportation System Mimicking the Cilia of <i>Paramecium aurelia</i> Making Use of the Light-Controllable Crystal Bending Behavior of a Photochromic Diarylethene. <i>Angewandte Chemie</i> , 2019, 131, 13442-13446.	2.0	9
122	Assembling a Natural Small Molecule into a Supramolecular Network with High Structural Order and Dynamic Functions. <i>Journal of the American Chemical Society</i> , 2019, 141, 12804-12814.	13.7	190
123	Light-driven Molecular Motors on Surfaces for Single Molecular Imaging. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	1
124	Light-Modulated Self-Blockage of a Urea Binding Site in a Stiff Stilbene Based Anion Receptor. <i>ChemPhysChem</i> , 2019, 20, 3306-3310.	2.1	19
125	Reversible Photocontrolled Nanopore Assembly. <i>Journal of the American Chemical Society</i> , 2019, 141, 14356-14363.	13.7	48
126	Controlling the Circadian Clock with High Temporal Resolution through Photodosing. <i>Journal of the American Chemical Society</i> , 2019, 141, 15784-15791.	13.7	37

#	ARTICLE	IF	CITATIONS
127	Eliminating Fatigue in Surface-Bound Spiropyrans. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25908-25914.	3.1	10
128	An atom efficient synthesis of tamoxifen. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2315-2320.	2.8	8
129	Light-controlled inhibition of BRAFV600E kinase. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 133-146.	5.5	31
130	Murahashi Cross-Coupling at -78°C : A One-Pot Procedure for Sequential C-C, C-C/C-N, and C-C/C-S Cross-Coupling of Bromo-Chloro-Arenes. <i>Chemistry - A European Journal</i> , 2019, 25, 9180-9184.	3.3	19
131	Dual-Controlled Macroscopic Motions in a Supramolecular Hierarchical Assembly of Motor Amphiphiles. <i>Angewandte Chemie</i> , 2019, 131, 11101-11105.	2.0	6
132	Iminothioindoxyl as a molecular photoswitch with 100-nm band separation in the visible range. <i>Nature Communications</i> , 2019, 10, 2390.	12.8	63
133	Dual-Controlled Macroscopic Motions in a Supramolecular Hierarchical Assembly of Motor Amphiphiles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10985-10989.	13.8	38
134	Synthesis of Substituted Benzaldehydes via a Two-Step, One-Pot Reduction/Cross-Coupling Procedure. <i>Organic Letters</i> , 2019, 21, 4087-4091.	4.6	6
135	Visible-Light-Driven Tunable Molecular Motors Based on Oxindole. <i>Journal of the American Chemical Society</i> , 2019, 141, 7622-7627.	13.7	53
136	Photoswitchable catalysis based on the isomerisation of double bonds. <i>Chemical Communications</i> , 2019, 55, 6477-6486.	4.1	118
137	Easily Accessible, Highly Potent, Photocontrolled Modulators of Bacterial Communication. <i>CheM</i> , 2019, 5, 1293-1301.	11.7	23
138	Unidirectional rotary motion in a metal-organic framework. <i>Nature Nanotechnology</i> , 2019, 14, 488-494.	31.5	162
139	Pumping a Ring-Sliding Molecular Motion by a Light-Powered Molecular Motor. <i>Journal of Organic Chemistry</i> , 2019, 84, 5790-5802.	3.2	34
140	Taming the Complexity of Donor-Acceptor Stenhouse Adducts: Infrared Motion Pictures of the Complete Switching Pathway. <i>Journal of the American Chemical Society</i> , 2019, 141, 7376-7384.	13.7	66
141	Chemical Locking in Molecular Tunneling Junctions Enables Nonvolatile Memory with Large On-Off Ratios. <i>Advanced Materials</i> , 2019, 31, 1807831.	21.0	56
142	Comparative Study of Photoswitchable Zinc-Finger Domain and AT-Hook Motif for Light-Controlled Peptide-DNA Binding. <i>Chemistry - A European Journal</i> , 2019, 25, 4965-4973.	3.3	12
143	One-pot, modular approach to functionalized ketones via nucleophilic addition/Buchwald-Hartwig amination strategy. <i>Chemical Communications</i> , 2019, 55, 2908-2911.	4.1	7
144	A chiral self-sorting photoresponsive coordination cage based on overcrowded alkenes. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2767-2773.	2.2	36

#	ARTICLE	IF	CITATIONS
145	A Visible-Light-Driven Molecular Motor Based on Pyrene. <i>Helvetica Chimica Acta</i> , 2019, 102, e1800221.	1.6	13
146	The (photo)chemistry of Stenhouse photoswitches: guiding principles and system design. <i>Chemical Society Reviews</i> , 2018, 47, 1910-1937.	38.1	208
147	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie</i> , 2018, 130, 6311-6315.	2.0	6
148	Mapping the Excited-State Potential Energy Surface of a Photomolecular Motor. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6203-6207.	13.8	26
149	Green-Light-Sensitive BODIPY Photoprotecting Groups for Amines. <i>Journal of Organic Chemistry</i> , 2018, 83, 1819-1827.	3.2	56
150	Tailoring Photoisomerization Pathways in Donor-Acceptor Stenhouse Adducts: The Role of the Hydroxy Group. <i>Journal of Physical Chemistry A</i> , 2018, 122, 955-964.	2.5	54
151	Molecular rotary motors: Unidirectional motion around double bonds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9423-9431.	7.1	165
152	Stereospecific Ring Contraction of Bromocycloheptenes through Dyotropic Rearrangements via Nonclassical Carbocation-Anion Pairs. <i>Journal of the American Chemical Society</i> , 2018, 140, 4986-4990.	13.7	17
153	Photoswitching of DNA Hybridization Using a Molecular Motor. <i>Journal of the American Chemical Society</i> , 2018, 140, 5069-5076.	13.7	70
154	Fast, Efficient and Low Factor One-Pot Palladium-Catalyzed Cross-Coupling of (Hetero)Arenes. <i>Angewandte Chemie</i> , 2018, 130, 9596-9599.	2.0	6
155	Highly Efficient and Robust Enantioselective Liquid-Liquid Extraction of 1,2-Amino Alcohols utilizing VAPOL- and VANOL-based Phosphoric Acid Hosts. <i>ChemSusChem</i> , 2018, 11, 178-184.	6.8	6
156	Fast, Efficient and Low Factor One-Pot Palladium-Catalyzed Cross-Coupling of (Hetero)Arenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9452-9455.	13.8	20
157	Braking of a Light-Driven Molecular Rotary Motor by Chemical Stimuli. <i>Chemistry - A European Journal</i> , 2018, 24, 81-84.	3.3	25
158	Central-to-Helical-to-Axial-to-Central Transfer of Chirality with a Photoresponsive Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 17278-17289.	13.7	57
159	Supramolecular Packing and Macroscopic Alignment Controls Actuation Speed in Macroscopic Strings of Molecular Motor Amphiphiles. <i>Journal of the American Chemical Society</i> , 2018, 140, 17724-17733.	13.7	46
160	Photoactivation of MDM2 Inhibitors: Controlling Protein-Protein Interaction with Light. <i>Journal of the American Chemical Society</i> , 2018, 140, 13136-13141.	13.7	35
161	Light-Gated Rotation in a Molecular Motor Functionalized with a Dithienylethene Switch. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10515-10519.	13.8	56
162	Glutamate Transporter Inhibitors with Photo-Controlled Activity. <i>Advanced Therapeutics</i> , 2018, 1, 1800028.	3.2	17

#	ARTICLE	IF	CITATIONS
163	Supramolecularly directed rotary motion in a photoresponsive receptor. <i>Nature Communications</i> , 2018, 9, 1984.	12.8	54
164	Desymmetrization of <i>meso</i> -Dibromocycloalkenes through Copper(I)-Catalyzed Asymmetric Allylic Substitution with Organolithium Reagents. <i>Journal of the American Chemical Society</i> , 2018, 140, 7052-7055.	13.7	26
165	Artificial muscle-like function from hierarchical supramolecular assembly of photoresponsive molecular motors. <i>Nature Chemistry</i> , 2018, 10, 132-138.	13.6	330
166	Solvent Effects on the Actinic Step of Donor-Acceptor Stenhouse Adduct Photoswitching. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8063-8068.	13.8	70
167	Light-Gated Rotation in a Molecular Motor Functionalized with a Dithienylethene Switch. <i>Angewandte Chemie</i> , 2018, 130, 10675-10679.	2.0	17
168	Solvent Effects on the Actinic Step of Donor-Acceptor Stenhouse Adduct Photoswitching. <i>Angewandte Chemie</i> , 2018, 130, 8195-8200.	2.0	21
169	Photocontrolled Fluorescence "Double-Check" Bioimaging Enabled by a Glycophage-Protein Hybrid. <i>Journal of the American Chemical Society</i> , 2018, 140, 8671-8674.	13.7	116
170	Exploring a naturally tailored small molecule for stretchable, self-healing, and adhesive supramolecular polymers. <i>Science Advances</i> , 2018, 4, eaat8192.	10.3	422
171	Design, Synthesis, and Isomerization Studies of Light-Driven Molecular Motors for Single Molecular Imaging. <i>Journal of Organic Chemistry</i> , 2018, 83, 6025-6034.	3.2	16
172	Molecular Motors in Aqueous Environment. <i>Journal of Organic Chemistry</i> , 2018, 83, 11008-11018.	3.2	30
173	Cation-Modulated Rotary Speed in a Light-Driven Crown Ether Functionalized Molecular Motor. <i>Organic Letters</i> , 2018, 20, 3715-3718.	4.6	19
174	Solvent Mixing To Induce Molecular Motor Aggregation into Bowl-Shaped Particles: Underlying Mechanism, Particle Nature, and Application To Control Motor Behavior. <i>Journal of the American Chemical Society</i> , 2018, 140, 7860-7868.	13.7	40
175	Photocontrol of Anion Binding Affinity to a Bis-urea Receptor Derived from Stiff-Stilbene. <i>Organic Letters</i> , 2017, 19, 324-327.	4.6	61
176	Cu-catalyzed enantioselective allylic alkylation with organolithium reagents. <i>Nature Protocols</i> , 2017, 12, 493-505.	12.0	7
177	Remarkable solvent isotope dependence on gelation strength in low molecular weight hydro-gelators. <i>Chemical Communications</i> , 2017, 53, 1719-1722.	4.1	20
178	Recent developments in reversible photoregulation of oligonucleotide structure and function. <i>Chemical Society Reviews</i> , 2017, 46, 1052-1079.	38.1	263
179	Ultrafast Excited State Dynamics in Molecular Motors: Coupling of Motor Length to Medium Viscosity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2138-2150.	2.5	18
180	Visible-Light Excitation of a Molecular Motor with an Extended Aromatic Core. <i>Organic Letters</i> , 2017, 19, 1402-1405.	4.6	45

#	ARTICLE	IF	CITATIONS
181	Oxygen Activated, Palladium Nanoparticle Catalyzed, Ultrafast Cross-Coupling of Organolithium Reagents. <i>Angewandte Chemie</i> , 2017, 129, 3402-3407.	2.0	18
182	Oxygen Activated, Palladium Nanoparticle Catalyzed, Ultrafast Cross-Coupling of Organolithium Reagents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3354-3359.	13.8	62
183	Artificial molecular motors. <i>Chemical Society Reviews</i> , 2017, 46, 2592-2621.	38.1	698
184	Defocused Imaging of UV-Driven Surface-Bound Molecular Motors. <i>Journal of the American Chemical Society</i> , 2017, 139, 7156-7159.	13.7	27
185	Ultrafast Dynamics in Light-Driven Molecular Rotary Motors Probed by Femtosecond Stimulated Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 7408-7414.	13.7	75
186	Asymmetric Synthesis of Second-Generation Light-Driven Molecular Motors. <i>Journal of Organic Chemistry</i> , 2017, 82, 5027-5033.	3.2	14
187	Third-Generation Light-Driven Symmetric Molecular Motors. <i>Journal of the American Chemical Society</i> , 2017, 139, 9650-9661.	13.7	54
188	In situ control of polymer helicity with a non-covalently bound photoresponsive molecular motor dopant. <i>Chemical Communications</i> , 2017, 53, 6393-6396.	4.1	47
189	Catalytic Asymmetric Synthesis of Butenolides and Butyrolactones. <i>Chemical Reviews</i> , 2017, 117, 10502-10566.	47.7	311
190	Locked synchronous rotor motion in a molecular motor. <i>Science</i> , 2017, 356, 964-968.	12.6	114
191	Fluorine-Substituted Molecular Motors with a Quaternary Stereogenic Center. <i>Chemistry - A European Journal</i> , 2017, 23, 6643-6653.	3.3	12
192	Bidirectional Photomodulation of Surface Tension in Langmuir Films. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 291-296.	13.8	13
193	Bidirectional Photomodulation of Surface Tension in Langmuir Films. <i>Angewandte Chemie</i> , 2017, 129, 297-302.	2.0	8
194	Artificial microtubules burst with energy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11804-11805.	7.1	1
195	Shedding Light on the Photoisomerization Pathway of Donor-Acceptor Stenhouse Adducts. <i>Journal of the American Chemical Society</i> , 2017, 139, 15596-15599.	13.7	88
196	Remote light-controlled intracellular target recognition by photochromic fluorescent glycoprobes. <i>Nature Communications</i> , 2017, 8, 987.	12.8	141
197	Dynamic control over catalytic function using responsive bithiourea catalysts. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8285-8294.	2.8	21
198	Two-Step, One-Pot Synthesis of Visible-Light-Responsive 6-Azopurines. <i>Organic Letters</i> , 2017, 19, 5090-5093.	4.6	31

#	ARTICLE	IF	CITATIONS
199	Highly efficient enantioselective liquid-liquid extraction of 1,2-amino-alcohols using SPINOL based phosphoric acid hosts. <i>Chemical Science</i> , 2017, 8, 6409-6418.	7.4	17
200	The Art of Building Small: From Molecular Switches to Motors (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11060-11078.	13.8	568
201	Proof of concept for continuous enantioselective liquid-liquid extraction in capillary microreactors using 1-octanol as a sustainable solvent. <i>Green Chemistry</i> , 2017, 19, 4334-4343.	9.0	14
202	Die Kunst, klein zu bauen: von molekularen Schaltern bis zu Motoren (Nobel-Aufsatz). <i>Angewandte Chemie</i> , 2017, 129, 11206-11226.	2.0	124
203	Dynamic control of function by light-driven molecular motors. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	162
204	Photocontrol of Antibacterial Activity: Shifting from UV to Red Light Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 17979-17986.	13.7	224
205	High-resolution gas-phase spectroscopy of a single-bond axle rotary motor. <i>Tetrahedron</i> , 2017, 73, 4887-4890.	1.9	1
206	Surface Inclusion of Unidirectional Molecular Motors in Hexagonal Tris(<i>o</i> -phenylene)cyclotriphosphazene. <i>Journal of the American Chemical Society</i> , 2017, 139, 10486-10498.	13.7	52
207	Unravelling the electronic structure and dynamics of an isolated molecular rotary motor in the gas-phase. <i>Chemical Science</i> , 2017, 8, 6141-6148.	7.4	13
208	Supramolecular Low-Molecular-Weight Hydrogelator Stabilization of SERS-Active Aggregated Nanoparticles for Solution and Gas Sensing. <i>Langmuir</i> , 2017, 33, 8805-8812.	3.5	8
209	Designing dynamic functional molecular systems. <i>Tetrahedron</i> , 2017, 73, 4837-4848.	1.9	43
210	Chirality controlled responsive self-assembled nanotubes in water. <i>Chemical Science</i> , 2017, 8, 1783-1789.	7.4	20
211	Dynamic control of chirality and self-assembly of double-stranded helicates with light. <i>Nature Chemistry</i> , 2017, 9, 250-256.	13.6	187
212	Bifunctional Molecular Photoswitches Based on Overcrowded Alkenes for Dynamic Control of Catalytic Activity in Michael Addition Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 6174-6184.	3.3	29
213	Enantiopure Functional Molecular Motors Obtained by a Switchable Chiral-Resolution Process. <i>Chemistry - A European Journal</i> , 2016, 22, 7054-7058.	3.3	17
214	Palladium-Catalyzed, <i>tert</i> -Butyllithium-Mediated Dimerization of Aryl Halides and Its Application in the Atropselective Total Synthesis of Mastigophorene...A. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3620-3624.	13.8	47
215	On the Role of Viscosity in the Eyring Equation. <i>ChemPhysChem</i> , 2016, 17, 1819-1822.	2.1	17
216	Nickel-Catalyzed Cross-Coupling of Organolithium Reagents with (Hetero)Aryl Electrophiles. <i>Chemistry - A European Journal</i> , 2016, 22, 3991-3995.	3.3	63

#	ARTICLE	IF	CITATIONS
217	Dynamic Inversion of Stereoselective Phosphate Binding to a Bisurea Receptor Controlled by Light and Heat. <i>Angewandte Chemie</i> , 2016, 128, 1013-1016.	2.0	23
218	Intramolecular transport of small-molecule cargo in a nanoscale device operated by light. <i>Chemical Communications</i> , 2016, 52, 6765-6768.	4.1	54
219	Reversible gel-sol photoswitching with an overcrowded alkene-based bis-urea supergelator. <i>Chemical Science</i> , 2016, 7, 4341-4346.	7.4	78
220	Unraveling the Photoswitching Mechanism in Donor-Acceptor Stenhouse Adducts. <i>Journal of the American Chemical Society</i> , 2016, 138, 6344-6347.	13.7	143
221	Mixed Monolayers of Spiropyrans Maximize Tunneling Conductance Switching by Photoisomerization at the Molecule-Electrode Interface in EGaIn Junctions. <i>Journal of the American Chemical Society</i> , 2016, 138, 12519-12526.	13.7	74
222	Allosteric Regulation of the Rotational Speed in a Light-Driven Molecular Motor. <i>Journal of the American Chemical Society</i> , 2016, 138, 13597-13603.	13.7	80
223	Direct and Versatile Synthesis of Red-Shifted Azobenzenes. <i>Angewandte Chemie</i> , 2016, 128, 13712-13716.	2.0	32
224	Neue Ziele für die Photopharmakologie. <i>Angewandte Chemie</i> , 2016, 128, 11140-11163.	2.0	105
225	Direct Observation of a Dark State in the Photocycle of a Light-Driven Molecular Motor. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8606-8612.	2.5	36
226	Solvent effects on the thermal isomerization of a rotary molecular motor. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26725-26735.	2.8	18
227	Direct and Versatile Synthesis of Red-Shifted Azobenzenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13514-13518.	13.8	115
228	End-capping of amphiphilic nanotubes with phospholipid vesicles: impact of the phospholipid on the cap formation and vesicle loading under osmotic conditions. <i>Chemical Communications</i> , 2016, 52, 11697-11700.	4.1	9
229	Enantioselective Synthesis of Di- and Tri-Arylated All-Carbon Quaternary Stereocenters via Copper-Catalyzed Allylic Arylations with Organolithium Compounds. <i>ACS Catalysis</i> , 2016, 6, 6591-6595.	11.2	22
230	Iterative catalyst controlled diastereodivergent synthesis of polypropionates. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1383-1391.	4.5	5
231	Spectroscopic and Theoretical Identification of Two Thermal Isomerization Pathways for Bistable Chiral Overcrowded Alkenes. <i>Chemistry - A European Journal</i> , 2016, 22, 13478-13487.	3.3	30
232	Dynamic Responsive Systems for Catalytic Function. <i>Chemistry - A European Journal</i> , 2016, 22, 17080-17111.	3.3	103
233	Emerging Targets in Photopharmacology. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10978-10999.	13.8	504
234	Fast, greener and scalable direct coupling of organolithium compounds with no additional solvents. <i>Nature Communications</i> , 2016, 7, 11698.	12.8	51

#	ARTICLE	IF	CITATIONS
235	Orthogonal photoswitching in a multifunctional molecular system. <i>Nature Communications</i> , 2016, 7, 12054.	12.8	174
236	Dynamic Inversion of Stereoselective Phosphate Binding to a Bisurea Receptor Controlled by Light and Heat. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1001-1004.	13.8	71
237	Towards Redox-Driven Unidirectional Molecular Motion. <i>ChemPhysChem</i> , 2016, 17, 1895-1901.	2.1	15
238	A chemically powered unidirectional rotary molecular motor based on a palladium redox cycle. <i>Nature Chemistry</i> , 2016, 8, 860-866.	13.6	142
239	Palladium-Catalyzed, <i>tert</i> -Butyllithium-Mediated Dimerization of Aryl Halides and Its Application in the Atropselective Total Synthesis of Mastigophorene...A. <i>Angewandte Chemie</i> , 2016, 128, 3684-3688.	2.0	16
240	One-pot sequential 1,2-addition, Pd-catalysed cross-coupling of organolithium reagents with Weinreb amides. <i>Chemical Communications</i> , 2016, 52, 1206-1209.	4.1	14
241	Asymmetric Allylic Substitutions Using Organometallic Reagents. <i>Topics in Organometallic Chemistry</i> , 2016, , 1-39.	0.7	28
242	One-Pot, Modular Approach to Functionalized Ketones via Nucleophilic Addition of Alkylolithium Reagents to Benzamides and Pd-Catalyzed \pm -Arylation. <i>ACS Catalysis</i> , 2016, 6, 2622-2625.	11.2	7
243	Amphiphilic Molecular Motors for Responsive Aggregation in Water. <i>Journal of the American Chemical Society</i> , 2016, 138, 660-669.	13.7	101
244	Chiral Diarylmethanes via Copper-Catalyzed Asymmetric Allylic Arylation with Organolithium Compounds. <i>Organic Letters</i> , 2016, 18, 252-255.	4.6	42
245	Ultrafast Isomerization Dynamics of a Unidirectional Molecular Rotor Revealed by Femtosecond Stimulated Raman Spectroscopy (FSRS). , 2016, , .		1
246	Spin relaxation in graphene with self-assembled cobalt porphyrin molecules. <i>Physical Review B</i> , 2015, 92, .	3.2	7
247	Loading of Vesicles into Soft Amphiphilic Nanotubes using Osmosis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15122-15127.	13.8	21
248	Light-Controlled Histone Deacetylase (HDAC) Inhibitors: Towards Photopharmacological Chemotherapy. <i>Chemistry - A European Journal</i> , 2015, 21, 16517-16524.	3.3	117
249	Visible-Light-Driven Photoisomerization and Increased Rotation Speed of a Molecular Motor Acting as a Ligand in a Ruthenium(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11457-11461.	13.8	63
250	Light and heat control over secondary structure and amyloid-like fiber formation in an overcrowded-alkene-modified Trp zipper. <i>Chemical Science</i> , 2015, 6, 7311-7318.	7.4	26
251	Pd-Catalyzed Cross-Coupling of Aryllithium Reagents with 2-Alkoxy-Substituted Aryl Chlorides: Mild and Efficient Synthesis of 3,3'-Diaryl BINOLs. <i>Organic Letters</i> , 2015, 17, 62-65.	4.6	35
252	Wavelength-selective cleavage of photoprotecting groups: strategies and applications in dynamic systems. <i>Chemical Society Reviews</i> , 2015, 44, 3358-3377.	38.1	291

#	ARTICLE	IF	CITATIONS
253	Palladium-Catalyzed C(³)â€“C(²) Cross-Coupling of (Trimethylsilyl)methylolithium with (Hetero)Aryl Halides. <i>Organic Letters</i> , 2015, 17, 2262-2265.	4.6	36
254	Controlling the activity of quorum sensing autoinducers with light. <i>Chemical Science</i> , 2015, 6, 3593-3598.	7.4	36
255	Dynamic control of chirality in phosphine ligands for enantioselective catalysis. <i>Nature Communications</i> , 2015, 6, 6652.	12.8	172
256	Unidirectional rotary motion in achiral molecular motors. <i>Nature Chemistry</i> , 2015, 7, 890-896.	13.6	134
257	Ciprofloxacinâ€“Photoswitch Conjugates: A Facile Strategy for Photopharmacology. <i>Bioconjugate Chemistry</i> , 2015, 26, 2592-2597.	3.6	86
258	Bacterial patterning controlled by light exposure. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1639-1642.	2.8	9
259	Direct catalytic cross-coupling of alkenyllithium compounds. <i>Chemical Science</i> , 2015, 6, 1394-1398.	7.4	64
260	Transition metal functionalized photo- and redox-switchable diarylethene based molecular switches. <i>Coordination Chemistry Reviews</i> , 2015, 282-283, 77-86.	18.8	80
261	Multi-State Regulation of the Dihydrogen Phosphate Binding Affinity to a Light- and Heat-Responsive Bis-Urea Receptor. <i>Journal of the American Chemical Society</i> , 2014, 136, 16784-16787.	13.7	78
262	Proteasome Inhibitors with Photocontrolled Activity. <i>ChemBioChem</i> , 2014, 15, 2053-2057.	2.6	59
263	Unidirectional Light-Driven Molecular Motors Based on Overcrowded Alkenes. <i>Topics in Current Chemistry</i> , 2014, 354, 139-162.	4.0	36
264	Autoamplification of Molecular Chirality through the Induction of Supramolecular Chirality. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5073-5077.	13.8	79
265	Photocaging of Carboxylic Acids: A Modular Approach. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8682-8686.	13.8	25
266	Photopharmacology: Beyond Proof of Principle. <i>Journal of the American Chemical Society</i> , 2014, 136, 2178-2191.	13.7	875
267	Facile assembly of light-driven molecular motors onto a solid surface. <i>Chemical Communications</i> , 2014, 50, 12641-12644.	4.1	18
268	An ultrafast surface-bound photo-active molecular motor. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 241-246.	2.9	44
269	Control of Surface Wettability Using Tripodal Light-Activated Molecular Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 3219-3224.	13.7	131
270	A Fast, Visibleâ€“Lightâ€“Sensitive Azobenzene for Bioorthogonal Ligation. <i>Chemistry - A European Journal</i> , 2014, 20, 946-951.	3.3	34

#	ARTICLE	IF	CITATIONS
271	Molecular Stirrers in Action. <i>Journal of the American Chemical Society</i> , 2014, 136, 14924-14932.	13.7	54
272	Chemically Optimizing Operational Efficiency of Molecular Rotary Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 9692-9700.	13.7	96
273	Structural Dynamics of Overcrowded Alkene-Based Molecular Motors during Thermal Isomerization. <i>Journal of Organic Chemistry</i> , 2014, 79, 927-935.	3.2	49
274	Light-Controlled Formation of Vesicles and Supramolecular Organogels by a Cholesterol-Bearing Amphiphilic Molecular Switch. <i>Chemistry - A European Journal</i> , 2014, 20, 1737-1742.	3.3	57
275	Dual stereocontrol over the Henry reaction using a light- and heat-triggered organocatalyst. <i>Chemical Communications</i> , 2014, 50, 7773.	4.1	90
276	Orthogonal Control of Antibacterial Activity with Light. <i>ACS Chemical Biology</i> , 2014, 9, 1969-1974.	3.4	73
277	Palladium-Catalysed Direct Cross-Coupling of Organolithium Reagents with Aryl and Vinyl Triflates. <i>Chemistry - A European Journal</i> , 2014, 20, 13078-13083.	3.3	53
278	Tetrapodal Molecular Switches and Motors: Synthesis and Photochemistry. <i>Journal of Organic Chemistry</i> , 2014, 79, 7032-7040.	3.2	27
279	Asymmetric Synthesis of First Generation Molecular Motors. <i>Organic Letters</i> , 2014, 16, 4220-4223.	4.6	34
280	Tuning the Rotation Rate of Light-Driven Molecular Motors. <i>Journal of Organic Chemistry</i> , 2014, 79, 4446-4455.	3.2	56
281	Tuning the Temperature Dependence for Switching in Dithienylethene Photochromic Switches. <i>Journal of Physical Chemistry A</i> , 2013, 117, 8222-8229.	2.5	43
282	Optical control of antibacterial activity. <i>Nature Chemistry</i> , 2013, 5, 924-928.	13.6	298
283	Catalytic Direct Cross-Coupling of Organolithium Compounds with Aryl Chlorides. <i>Organic Letters</i> , 2013, 15, 5114-5117.	4.6	66
284	Time-programmed helix inversion in phototunable liquid crystals. <i>Chemical Communications</i> , 2013, 49, 4256-4258.	4.1	50
285	Azobenzene Photoswitches for Staudinger-Bertozzi Ligation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2068-2072.	13.8	44
286	Synthesis of [18F]RGD-K5 by catalyzed [3+2] cycloaddition for imaging integrin $\alpha_5\beta_3$ expression in vivo. <i>Nuclear Medicine and Biology</i> , 2013, 40, 710-716.	0.6	15
287	UV/Vis and NIR Light-Responsive Spiropyran Self-Assembled Monolayers. <i>Langmuir</i> , 2013, 29, 4290-4297.	3.5	76
288	Light-triggered self-assembly of a dichromonyl compound in water. <i>Chemical Communications</i> , 2013, 49, 5001.	4.1	34

#	ARTICLE	IF	CITATIONS
289	Bright Ion Channels and Lipid Bilayers. <i>Accounts of Chemical Research</i> , 2013, 46, 2910-2923.	15.6	42
290	Reversible Photocontrol of Biological Systems by the Incorporation of Molecular Photoswitches. <i>Chemical Reviews</i> , 2013, 113, 6114-6178.	47.7	991
291	Design, Synthesis, and Inhibitory Activity of Potent, Photoswitchable Mast Cell Activation Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4456-4464.	6.4	43
292	Towards Dynamic Control of Wettability by Using Functionalized Altitudinal Molecular Motors on Solid Surfaces. <i>Chemistry - A European Journal</i> , 2013, 19, 10690-10697.	3.3	38
293	Direct catalytic cross-coupling of organolithium compounds. <i>Nature Chemistry</i> , 2013, 5, 667-672.	13.6	188
294	Hindered Aryllithium Reagents as Partners in Palladium-Catalyzed Cross-Coupling: Synthesis of Tri- and Tetra-ortho-Substituted Biaryls under Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13329-13333.	13.8	63
295	Electrochemical Write and Read Functionality through Oxidative Dimerization of Spiropyran Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18567-18577.	3.1	45
296	Electronic properties of individual diarylethene molecules studied using scanning tunneling spectroscopy. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	9
297	Asymmetric Allylic Alkylation of Acyclic Allylic Ethers with Organolithium Reagents. <i>Chemistry - A European Journal</i> , 2012, 18, 11880-11883.	3.3	39
298	Driving Unidirectional Molecular Rotary Motors with Visible Light by Intra- And Intermolecular Energy Transfer from Palladium Porphyrin. <i>Journal of the American Chemical Society</i> , 2012, 134, 17613-17619.	13.7	99
299	Ultrafast dynamics in the power stroke of a molecular rotary motor. <i>Nature Chemistry</i> , 2012, 4, 547-551.	13.6	168
300	Highly Enantioselective Synthesis of 3-Substituted Furanones by Palladium-Catalyzed Kinetic Resolution of Unsymmetrical Allyl Acetates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3168-3173.	13.8	57
301	Engineering methylaspartate ammonia lyase for the asymmetric synthesis of unnatural amino acids. <i>Nature Chemistry</i> , 2012, 4, 478-484.	13.6	77
302	Enantioselective Synthesis of Tertiary and Quaternary Stereogenic Centers: Copper/Phosphoramidite-Catalyzed Allylic Alkylation with Organolithium Reagents. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1922-1925.	13.8	72
303	Reversible photochemical control of cholesteric liquid crystals with a diamine-based diarylethene chiroptical switch. <i>Journal of Materials Chemistry</i> , 2011, 21, 3142.	6.7	52
304	Catalytic Enantioselective Synthesis of Naturally Occurring Butenolides via Hetero-Allylic Alkylation and Ring Closing Metathesis. <i>Organic Letters</i> , 2011, 13, 948-951.	4.6	79
305	Photoswitchable Intramolecular Through-Space Magnetic Interaction. <i>Journal of the American Chemical Society</i> , 2011, 133, 8162-8164.	13.7	54
306	A Chiroptical Photoswitchable DNA Complex. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11581-11587.	2.6	73

#	ARTICLE	IF	CITATIONS
307	Light-induced disassembly of self-assembled vesicle-capped nanotubes observed in real time. <i>Nature Nanotechnology</i> , 2011, 6, 547-552.	31.5	109
308	Chiral separation by enantioselective liquid-liquid extraction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 36-51.	2.8	175
309	Catalytic asymmetric carbon-carbon bond formation via allylic alkylations with organolithium compounds. <i>Nature Chemistry</i> , 2011, 3, 377-381.	13.6	101
310	Reversing the direction in a light-driven rotary molecular motor. <i>Nature Chemistry</i> , 2011, 3, 53-60.	13.6	181
311	Dynamic Control of Chiral Space in a Catalytic Asymmetric Reaction Using a Molecular Motor. <i>Science</i> , 2011, 331, 1429-1432.	12.6	530
312	Electrically driven directional motion of a four-wheeled molecule on a metal surface. <i>Nature</i> , 2011, 479, 208-211.	27.8	669
313	Remarkable Stability of High Energy Conformers in Self-Assembled Monolayers of a Bistable Electro- and Photoswitchable Overcrowded Alkene. <i>Journal of Physical Chemistry C</i> , 2011, 115, 22965-22975.	3.1	40
314	Adhesion of Photon-Driven Molecular Motors to Surfaces via 1,3-Dipolar Cycloadditions: Effect of Interfacial Interactions on Molecular Motion. <i>ACS Nano</i> , 2011, 5, 622-630.	14.6	54
315	Strain-Promoted Copper-Free Click Chemistry for ¹⁸ F Radiolabeling of Bombesin. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11117-11120.	13.8	113
316	3,3'-diarylbisBINOL phosphoric acids as enantioselective extractants of benzylic primary amines. <i>Chirality</i> , 2011, 23, 34-43.	2.6	24
317	Enantioselective liquid-liquid extraction of (R,S)-phenylglycinol using a bisnaphthyl phosphoric acid derivative as chiral extractant. <i>Tetrahedron</i> , 2011, 67, 462-470.	1.9	38
318	Phosphoramidites: Privileged Ligands in Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2486-2528.	13.8	611
319	Controlling Molecular Rotary Motion with a Self-Complexing Lock. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1107-1110.	13.8	105
320	Light-Induced Control of Protein Translocation by the SecYEG Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7234-7238.	13.8	56
321	In Situ Generation of Wavelength-Shifting Donor-Acceptor Mixed Monolayer-Modified Surfaces. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6580-6584.	13.8	22
322	An Enantioselective Synthetic Route toward Second-Generation Light-Driven Rotary Molecular Motors. <i>Journal of Organic Chemistry</i> , 2010, 75, 825-838.	3.2	26
323	Understanding the Dynamics Behind the Photoisomerization of a Light-Driven Fluorene Molecular Rotary Motor. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5058-5067.	2.5	96
324	Photoswitchable Intramolecular H-Stacking of Perylenebisimide. <i>Journal of the American Chemical Society</i> , 2010, 132, 4191-4196.	13.7	95

#	ARTICLE	IF	CITATIONS
325	Rotary Molecular Motors: A Large Increase in Speed through a Small Change in Design. <i>Journal of Organic Chemistry</i> , 2010, 75, 5323-5325.	3.2	34
326	Ultrafast Light-Driven Nanomotors Based on an Acridane Stator. <i>Journal of Organic Chemistry</i> , 2010, 75, 666-679.	3.2	68
327	Chiral separation of substituted phenylalanine analogues using chiral palladium phosphine complexes with enantioselective liquid-liquid extraction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3045.	2.8	42
328	Controlled rotary motion of light-driven molecular motors assembled on a gold film. <i>Chemical Science</i> , 2010, 1, 97.	7.4	55
329	Optimizing rotary processes in synthetic molecular motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16919-16924.	7.1	59
330	Light-driven rotary molecular motors: an ultrafast optical study. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 181-184.	0.8	49
331	Light Switching of Molecules on Surfaces. <i>Annual Review of Physical Chemistry</i> , 2009, 60, 407-428.	10.8	267
332	Chiral Separation of Underivatized Amino Acids by Reactive Extraction with Palladium-BINAP Complexes. <i>Journal of Organic Chemistry</i> , 2009, 74, 6526-6533.	3.2	75
333	Two-Dimensional Molecular Patterning by Surface-Enhanced Zn-Porphyrin Coordination. <i>Langmuir</i> , 2009, 25, 5980-5985.	3.5	59
334	Kinetic analysis of the rotation rate of light-driven unidirectional molecular motors. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9124.	2.8	35
335	Light-driven altitudinal molecular motors on surfaces. <i>Chemical Communications</i> , 2009, , 1712.	4.1	73
336	The influence of viscosity on the functioning of molecular motors. <i>Faraday Discussions</i> , 2009, 143, 319.	3.2	24
337	Phosphoramidite accelerated copper(i)-catalyzed [3 + 2] cycloadditions of azides and alkynes. <i>Chemical Communications</i> , 2009, , 2139.	4.1	149
338	Following the Autonomous Movement of Silica Microparticles Using Fluorescence Microscopy. <i>Small</i> , 2008, 4, 476-480.	10.0	12
339	Autonomous Movement of Silica and Glass Micro-Objects Based on a Catalytic Molecular Propulsion System. <i>Chemistry - A European Journal</i> , 2008, 14, 3146-3153.	3.3	26
340	Light-Driven Rotary Molecular Motors on Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2008, 14, 11610-11622.	3.3	46
341	New Mechanistic Insight in the Thermal Helix Inversion of Second-Generation Molecular Motors. <i>Chemistry - A European Journal</i> , 2008, 14, 11183-11193.	3.3	28
342	Dynamic chirality, chirality transfer and aggregation behaviour of dithienylethene switches. <i>Tetrahedron</i> , 2008, 64, 8324-8335.	1.9	26

#	ARTICLE	IF	CITATIONS
343	Photoinduced Reorganization of Motor-Doped Chiral Liquid Crystals: Bridging Molecular Isomerization and Texture Rotation. <i>Journal of the American Chemical Society</i> , 2008, 130, 14615-14624.	13.7	80
344	On/Off Photoswitching of the Electropolymerizability of Terthiophenes. <i>Journal of the American Chemical Society</i> , 2008, 130, 12850-12851.	13.7	50
345	On the effect of donor and acceptor substituents on the behaviour of light-driven rotary molecular motors. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1605.	2.8	47
346	Catalytic Asymmetric Conjugate Addition and Allylic Alkylation with Grignard Reagents. <i>Chemical Reviews</i> , 2008, 108, 2824-2852.	47.7	692
347	MHz Unidirectional Rotation of Molecular Rotary Motors. <i>Journal of the American Chemical Society</i> , 2008, 130, 10484-10485.	13.7	191
348	Autonomous propulsion of carbon nanotubes powered by a multienzyme ensemble. <i>Chemical Communications</i> , 2008, , 1533-1535.	4.1	193
349	Control of dynamic helicity at the macro- and supramolecular level. <i>Soft Matter</i> , 2008, 4, 1349.	2.7	238
350	A redesign of light-driven rotary molecular motors. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 507-512.	2.8	112
351	Photoresponsive rolling and bending of thin crystals of chiral diarylethenes. <i>Chemical Communications</i> , 2008, , 326-328.	4.1	138
352	Light-Controlled Supramolecular Helicity of a Liquid Crystalline Phase Using a Helical Polymer Functionalized with a Single Chiroptical Molecular Switch. <i>Journal of the American Chemical Society</i> , 2008, 130, 4541-4552.	13.7	214
353	Molecular chirality at fluid/solid interfaces: expression of asymmetry in self-organised monolayers. <i>Journal of Materials Chemistry</i> , 2008, 18, 2065.	6.7	83
354	Copper-catalyzed asymmetric allylic substitution reactions with organozinc and Grignard reagents. <i>Pure and Applied Chemistry</i> , 2008, 80, 1025-1037.	1.9	60
355	The Art of Building Small: From Molecular Switches to Molecular Motors. <i>Journal of Organic Chemistry</i> , 2007, 72, 6635-6652.	3.2	462
356	Synthesis, stereochemistry, and photochemical and thermal behaviour of bis-tert-butyl substituted overcrowded alkenes. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 87-96.	2.8	25
357	The isolation and photochemistry of individual atropisomers of photochromic diarylethenes. <i>Chemical Communications</i> , 2007, , 1745.	4.1	58
358	An astrophysically-relevant mechanism for amino acid enantiomer enrichment. <i>Chemical Communications</i> , 2007, , 2578.	4.1	85
359	Controlled Rotary Motion in a Monolayer of Molecular Motors. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1278-1280.	13.8	88
360	Molecular Transmission: Controlling the Twist Sense of a Helical Polymer with a Single Light-Driven Molecular Motor. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3693-3696.	13.8	182

#	ARTICLE	IF	CITATIONS
361	Synthesis and utilization of reversible and irreversible light-activated nanovalves derived from the channel protein MscL. <i>Nature Protocols</i> , 2007, 2, 1426-1437.	12.0	63
362	Photo- and electro-chromism of diarylethene modified ITO electrodes towards molecular based read-write-erase information storage. <i>Chemical Communications</i> , 2006, , 3930-3932.	4.1	89
363	Fine Tuning of the Rotary Motion by Structural Modification in Light-Driven Unidirectional Molecular Motors. <i>Journal of the American Chemical Society</i> , 2006, 128, 5127-5135.	13.7	212
364	Bisthioxanthylidene biscrown ethers as potential stereodivergent chiral ligands. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4101.	2.8	7
365	Diastereoselective cyclization of a dithienylethene switch through single crystal confinement. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1002.	2.8	34
366	Rotational Reorganization of Doped Cholesteric Liquid Crystalline Films. <i>Journal of the American Chemical Society</i> , 2006, 128, 14397-14407.	13.7	200
367	Copper Catalyzed Asymmetric Synthesis of Chiral Allylic Esters. <i>Journal of the American Chemical Society</i> , 2006, 128, 15572-15573.	13.7	106
368	Amplification of chirality in liquid crystals. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3729.	2.8	299
369	Reversible Three-State Switching of Luminescence: A New Twist to Electro- and Photochromic Behavior. <i>Journal of the American Chemical Society</i> , 2006, 128, 12412-12413.	13.7	150
370	Nanomotor rotates microscale objects. <i>Nature</i> , 2006, 440, 163-163.	27.8	781
371	Making molecular machines work. <i>Nature Nanotechnology</i> , 2006, 1, 25-35.	31.5	1,317
372	Rationally Designed Chemical Modulators Convert a Bacterial Channel Protein into a pH-Sensory Valve. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3126-3130.	13.8	66
373	Asymmetric Synthesis of Bi(thio)xanthylidene Overcrowded Alkenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3596-3605.	2.4	12
374	Unidirectional molecular motor on a gold surface. <i>Nature</i> , 2005, 437, 1337-1340.	27.8	504
375	Design and Application of Self-Assembled Low Molecular Weight Hydrogels. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3615-3631.	2.4	541
376	Cyclohexane-Based Low Molecular Weight Hydrogelators: A Chirality Investigation. <i>Chemistry - A European Journal</i> , 2005, 11, 5353-5361.	3.3	67
377	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 1: Effect of Electronic Perturbation on the Efficiency and Direction of Molecular Switching. <i>Chemistry - A European Journal</i> , 2005, 11, 6414-6429.	3.3	180
378	Oxidative Electrochemical Switching in Dithienylcyclopentenes, Part 2: Effect of Substitution and Asymmetry on the Efficiency and Direction of Molecular Switching and Redox Stability. <i>Chemistry - A European Journal</i> , 2005, 11, 6430-6441.	3.3	154

#	ARTICLE	IF	CITATIONS
379	Supramolecular Chemistry at the Liquid/Solid Interface. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
380	A Light-Actuated Nanovalve Derived from a Channel Protein. Science, 2005, 309, 755-758.	12.6	495
381	A Reversible, Unidirectional Molecular Rotary Motor Driven by Chemical Energy. Science, 2005, 310, 80-82.	12.6	412
382	Acceleration of a Nanomotor: Electronic Control of the Rotary Speed of a Light-Driven Molecular Rotor. Journal of the American Chemical Society, 2005, 127, 17612-17613.	13.7	89
383	Molecular Switches Get Wired: Synthesis of Diarylethenes Containing One or Two Sulphurs. Molecular Crystals and Liquid Crystals, 2005, 430, 205-210.	0.9	18
384	Controlling the speed of rotation in molecular motors. Dramatic acceleration of the rotary motion by structural modification. Chemical Communications, 2005, , 5910.	4.1	108
385	Light-Driven Molecular Motors: A Stepwise Thermal Helix Inversion during Unidirectional Rotation of Sterically Overcrowded Biphenanthrylidene. Journal of the American Chemical Society, 2005, 127, 14208-14222.	13.7	75
386	Dynamic Chiral Selection and Amplification Using Photoresponsive Organogelators. Journal of the American Chemical Society, 2005, 127, 13804-13805.	13.7	111
387	Macroscopic Expression of the Chirality of Amino Alcohols by a Double Amplification Mechanism in Liquid Crystalline Media. Journal of the American Chemical Society, 2005, 127, 13480-13481.	13.7	57
388	New procedure for the preparation of highly sterically hindered alkenes using a hypervalent iodine reagent. Organic and Biomolecular Chemistry, 2005, 3, 28.	2.8	39
389	Reversible Optical Transcription of Supramolecular Chirality into Molecular Chirality. Science, 2004, 304, 278-281.	12.6	635
390	Responsive Cyclohexane-Based Low-Molecular-Weight Hydrogelators with Modular Architecture. Angewandte Chemie - International Edition, 2004, 43, 1663-1667.	13.8	280
391	A Chiroptical Molecular Switch with Distinct Chiral and Photochromic Entities and Its Application in Optical Switching of a Cholesteric Liquid Crystal. Chemistry - A European Journal, 2004, 10, 61-70.	3.3	139
392	Exploring the boundaries of a light-driven molecular motor design: new sterically overcrowded alkenes with preferred direction of rotation Electronic supplementary information (ESI) available: a table to convert the labels in the X-ray structure used in the paper and the cif-files. See http://www.rsc.org/suppdata/ob/b4/b402222j/ . Organic and Biomolecular Chemistry, 2004, 2, 1531.	2.8	49
393	Copper Phosphoramidite-Catalyzed Enantioselective Desymmetrization of meso-Cyclic Allylic Bisdialkyl Phosphates. Organic Letters, 2003, 5, 4493-4496.	4.6	46
394	Orthogonal Self-Assembly of Low Molecular Weight Hydrogelators and Surfactants. Journal of the American Chemical Society, 2003, 125, 14252-14253.	13.7	201
395	One-Way Optoelectronic Switching of Photochromic Molecules on Gold. Physical Review Letters, 2003, 91, 207402.	7.8	522
396	Increased Speed of Rotation for the Smallest Light-Driven Molecular Motor. Journal of the American Chemical Society, 2003, 125, 15076-15086.	13.7	160

#	ARTICLE	IF	CITATIONS
397	A donor-acceptor substituted molecular motor: unidirectional rotation driven by visible light. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 33-35.	2.8	101
398	An Optical and Theoretical Investigation of the Ultrafast Dynamics of a Bisthiénylene-Based Photochromic Switch. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8498-8507.	2.5	91
399	Unidirectional rotary motion in a liquid crystalline environment: Color tuning by a molecular motor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4945-4949.	7.1	186
400	In control of the speed of rotation in molecular motors. Unexpected retardation of rotary motion. Electronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b2/b208323j/ . <i>Chemical Communications</i> , 2002, , 2962-2963.	4.1	32
401	Second Generation Light-Driven Molecular Motors. Unidirectional Rotation Controlled by a Single Stereogenic Center with Near-Perfect Photoequilibria and Acceleration of the Speed of Rotation by Structural Modification. <i>Journal of the American Chemical Society</i> , 2002, 124, 5037-5051.	13.7	332
402	In Control of Motion: From Molecular Switches to Molecular Motors. <i>Accounts of Chemical Research</i> , 2001, 34, 504-513.	15.6	559
403	Enantioselective Copper-Catalyzed Allylic Alkylation with Dialkylzincs Using Phosphoramidite Ligands. <i>Organic Letters</i> , 2001, 3, 1169-1171.	4.6	121
404	Chiral Recognition in Bis-Urea-Based Aggregates and Organogels through Cooperative Interactions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 613-616.	13.8	260
405	Chiral Recognition in Bis-Urea-Based Aggregates and Organogels through Cooperative Interactions. This work was supported by the Dutch Foundation for Scientific Research (NWO). The Royal Netherlands Academy of Sciences is gratefully acknowledged for a fellowship to J.v.E.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 613-616.	13.8	6
406	A Novel Donor Acceptor Substituted Chiroptical Molecular Switch: Physical Properties and Photoisomerization Behavior. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 344, 1-6.	0.3	6
407	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. <i>Advanced Materials</i> , 2000, 12, 563-566.	21.0	40
408	Chiral overcrowded alkenes; Asymmetric synthesis of (3 <i>S</i> ,3' <i>S</i>)-(M,M)-(E)-(+)-1,1',2,2',3,3',4,4'-octahydro-3,3',7,7'-tetramethyl-4,4'-biphenanthrylidenes. <i>Chirality</i> , 2000, 12, 734-741.	2.6	10
409	Phosphoramidites: Marvellous Ligands in Catalytic Asymmetric Conjugate Addition. <i>Accounts of Chemical Research</i> , 2000, 33, 346-353.	15.6	682
410	Highly Enantioselective Rhodium-Catalyzed Hydrogenation with Monodentate Ligands. <i>Journal of the American Chemical Society</i> , 2000, 122, 11539-11540.	13.7	433
411	Light-Driven Molecular Rotor: Unidirectional Rotation Controlled by a Single Stereogenic Center. <i>Journal of the American Chemical Society</i> , 2000, 122, 12005-12006.	13.7	190
412	Molecular Organization of Bis-urea Substituted Thiophene Derivatives at the Liquid/Solid Interface Studied by Scanning Tunneling Microscopy. <i>Langmuir</i> , 2000, 16, 10385-10391.	3.5	78
413	Chiroptical Molecular Switches. <i>Chemical Reviews</i> , 2000, 100, 1789-1816.	47.7	1,021
414	Rheology and Thermotropic Properties of Bis-Urea-Based Organogels in Various Primary Alcohols. <i>Langmuir</i> , 2000, 16, 9249-9255.	3.5	186

#	ARTICLE	IF	CITATIONS
415	Self-Assembly of Low-Dimensional Arrays of Thiophene Oligomers from Solution on Solid Substrates. , 2000, 12, 563.		1
416	Palladium catalyzed stereospecific allylic substitution of 5-acetoxy-2(5H)-furanone and 6-acetoxy-2H-pyran-3(6H)-one by alcohols. Tetrahedron Letters, 1999, 40, 1755-1758.	1.4	42
417	Light-driven monodirectional molecular rotor. Nature, 1999, 401, 152-155.	27.8	1,668
418	Cyclic Bis-Urea Compounds as Gelators for Organic Solvents. Chemistry - A European Journal, 1999, 5, 937-950.	3.3	346
419	Asymmetric Synthesis of Overcrowded Alkenes by Transfer of Axial Single Bond Chirality to Axial Double Bond Chirality. Angewandte Chemie - International Edition, 1999, 38, 2738-2741.	13.8	18
420	Absolute Asymmetric Synthesis: The Origin, Control, and Amplification of Chirality. Angewandte Chemie - International Edition, 1999, 38, 3418-3438.	13.8	709
421	Chemistry of Unique Chiral Olefins. 4. Theoretical Studies of the Racemization Mechanism of trans- and cis-1,1â€²,2,2â€²,3,3â€²,4,4â€²-Octahydro-4,4â€²-biphenanthrylidenes. Journal of Organic Chemistry, 1999, 64, 3.2 1667-1674.		36
422	Nontrivial Differentiation between Two Identical Functionalities within the Same Molecule Studied by STM. Journal of Physical Chemistry B, 1998, 102, 8981-8987.	2.6	41
423	Remarkable Stabilization of Self-Assembled Organogels by Polymerization. Journal of the American Chemical Society, 1997, 119, 12675-12676.	13.7	250
424	Toward a Switchable Molecular Rotor. Unexpected Dynamic Behavior of Functionalized Overcrowded Alkenes. Journal of Organic Chemistry, 1997, 62, 4943-4948.	3.2	103
425	Excited-State Dynamics of Tetraphenylethylene: A Ultrafast Stokes Shift, Isomerization, and Charge Separation. Journal of Physical Chemistry A, 1997, 101, 9828-9836.	2.5	55
426	Chemistry of Unique Chiral Olefins. 3. Synthesis and Absolute Stereochemistry of trans- and cis-1,1â€²,2,2â€²,3,3â€²,4,4â€²-Octahydro-3,3â€²-dimethyl-4,4â€²-biphenanthrylidenes. Journal of the American Chemical Society, 1997, 119, 7256-7264.		86
427	Di-urea compounds as gelators for organic solvents. Tetrahedron Letters, 1997, 38, 281-284.	1.4	100
428	Self-Assembly of Bisurea Compounds in Organic Solvents and on Solid Substrates. Chemistry - A European Journal, 1997, 3, 1238-1243.	3.3	235
429	Lipase-Catalyzed Second-Order Asymmetric Transformations as Resolution and Synthesis Strategies for Chiral 5-(Acyloxy)-2(5H)-furanone and Pyrrolinone Synthons. Journal of the American Chemical Society, 1996, 118, 3801-3803.	13.7	103
430	Dynamic Control and Amplification of Molecular Chirality by Circular Polarized Light. Science, 1996, 273, 1686-1688.	12.6	439
431	Chiroptical molecular switches. Advanced Materials, 1996, 8, 681-684.	21.0	109
432	Nicht-Ã€Eisenzentren in der Sauerstoffaktivierung: Charakterisierung einer Eisen(III)-Ã€Hydroperoxid-Ã€Zwischenstufe. Angewandte Chemie, 1995, 107, 1610-1612.	2.0	29

#	ARTICLE	IF	CITATIONS
433	Nonheme Iron Centers in Oxygen Activation: Characterization of an Iron(III) Hydroperoxide Intermediate. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1512-1514.	4.4	247
434	Chiroptical Switching between Liquid Crystalline Phases. <i>Journal of the American Chemical Society</i> , 1995, 117, 9929-9930.	13.7	179
435	Sterically overcrowded alkenes; synthesis, resolution and circular dichroism studies of substituted bithioxanthylidenes. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1481-1497.	1.8	29
436	Structure and second harmonic generation of Langmuir-Blodgett films of two chiral amphiphilic azo dyes. <i>Langmuir</i> , 1993, 9, 1323-1329.	3.5	9
437	Resolution of sterically overcrowded ethylenes; a remarkable correlation between bond lengths and racemization barriers.. <i>Tetrahedron Letters</i> , 1992, 33, 2887-2890.	1.4	56
438	Chiroptical molecular switch. <i>Journal of the American Chemical Society</i> , 1991, 113, 5468-5470.	13.7	169
439	Synthesis of enantiomerically pure .gamma.-(menthyloxy)butenolides and (R)- and (S)-2-methyl-1,4-butanediol. <i>Journal of Organic Chemistry</i> , 1989, 54, 2471-2475.	3.2	88
440	Synthesis and absolute configuration of enantiomerically pure vitamin K3 2,3-epoxide. <i>Journal of Organic Chemistry</i> , 1980, 45, 4094-4096.	3.2	23
441	X-ray structure of the inherently dissymmetric olefin D,L-trans-1,2,3,4,1,2,3,4-tetrahydrooctahydro-4,4'-biphenanthrylidene. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1979, 98, 1-2.		
442	Inherently chiral olefins. Synthesis and resolution of 4-(9-fluorenylidene)-1,2,3,4-tetrahydrophenanthrene. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1978, 97, 249-252.		12
443	Torsionally distorted olefins. Resolution of cis- and trans-4,4'-Bi-1,1',2,2',3,3'-hexahydrophenanthrylidene. <i>Journal of the American Chemical Society</i> , 1977, 99, 602-603.	13.7	96
444	Enantiomeric recognition and interactions. <i>Tetrahedron</i> , 1976, 32, 2831-2834.	1.9	105
445	The Influence of Strain on the Rotation of an Artificial Molecular Motor. <i>Angewandte Chemie</i> , 0, , .	2.0	4