

Stefan Hecht

List of Publications by Year in descending order

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279
papers

22,127
citations

10373

72
h-index

11047

137
g-index

335
all docs

335
docs citations

335
times ranked

18728
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-architectures by covalent assembly of molecular building blocks. <i>Nature Nanotechnology</i> , 2007, 2, 687-691.	15.6	1,187
2	Dendritic Encapsulation of Function: Applying Nature's Site Isolation Principle from Biomimetics to Materials Science. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 74-91.	7.2	1,020
3	Photoswitches: From Molecules to Materials. <i>Advanced Materials</i> , 2010, 22, 3348-3360.	11.1	885
4	Multivalency as a Chemical Organization and Action Principle. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10472-10498.	7.2	854
5	<i>ortho</i> -Fluoroazobenzenes as Readily Synthesized Photoswitches Offering Nearly Quantitative Two-Way Isomerization with Visible Light. <i>Journal of the American Chemical Society</i> , 2012, 134, 20597-20600.	6.6	639
6	Visible-Light-Activated Molecular Switches. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11338-11349.	7.2	623
7	Electric Field-Induced Isomerization of Azobenzene by STM. <i>Journal of the American Chemical Society</i> , 2006, 128, 14446-14447.	6.6	543
8	Controlling on-surface polymerization by hierarchical and substrate-directed growth. <i>Nature Chemistry</i> , 2012, 4, 215-220.	6.6	483
9	Conductance of a Single Conjugated Polymer as a Continuous Function of Its Length. <i>Science</i> , 2009, 323, 1193-1197.	6.0	478
10	Artificial Light-Gated Catalyst Systems. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5054-5075.	7.2	346
11	A chaotic self-oscillating sunlight-driven polymer actuator. <i>Nature Communications</i> , 2016, 7, 11975.	5.8	329
12	Helicity Inversion in Responsive Foldamers Induced by Achiral Halide ion Guests. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4926-4930.	7.2	313
13	<i>ortho</i> -Fluoroazobenzenes: Visible Light Switches with Very Long-Lived <i>Z</i> Isomers. <i>Chemistry - A European Journal</i> , 2014, 20, 16492-16501.	1.7	311
14	Enlightening Materials with Photoswitches. <i>Advanced Materials</i> , 2020, 32, e1905966.	11.1	311
15	Remote-controlling chemical reactions by light: Towards chemistry with high spatio-temporal resolution. <i>Chemical Society Reviews</i> , 2014, 43, 1982.	18.7	309
16	Flexible non-volatile optical memory thin-film transistor device with over 256 distinct levels based on an organic bicomponent blend. <i>Nature Nanotechnology</i> , 2016, 11, 769-775.	15.6	300
17	Improving the Fatigue Resistance of Diarylethene Switches. <i>Journal of the American Chemical Society</i> , 2015, 137, 2738-2747.	6.6	296
18	Multifunctional "Clickates" as Versatile Extended Heteroaromatic Building Blocks: Efficient Synthesis via Click Chemistry, Conformational Preferences, and Metal Coordination. <i>Chemistry - A European Journal</i> , 2007, 13, 9834-9840.	1.7	237

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19	Xolography for linear volumetric 3D printing. <i>Nature</i> , 2020, 588, 620-624.	13.7	236
20	Aligning the Band Gap of Graphene Nanoribbons by Monomer Doping. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4422-4425.	7.2	225
21	Quantum Chemical Investigation of Thermal Cis-to-Trans Isomerization of Azobenzene Derivatives: Substituent Effects, Solvent Effects, and Comparison to Experimental Data. <i>Journal of Physical Chemistry A</i> , 2009, 113, 6763-6773.	1.1	217
22	Optically switchable transistor via energy-level phototuning in a bicomponent organic semiconductor. <i>Nature Chemistry</i> , 2012, 4, 675-679.	6.6	217
23	Covalent on-surface polymerization. <i>Nature Chemistry</i> , 2020, 12, 115-130.	6.6	217
24	Photoswitchable molecules as key ingredients to drive systems away from the global thermodynamic minimum. <i>Chemical Society Reviews</i> , 2017, 46, 5536-5550.	18.7	208
25	Acyhydrazones as Widely Tunable Photoswitches. <i>Journal of the American Chemical Society</i> , 2015, 137, 14982-14991.	6.6	207
26	Prototype of a Photoswitchable Foldamer. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1878-1881.	7.2	173
27	Optically switchable transistors by simple incorporation of photochromic systems into small-molecule semiconducting matrices. <i>Nature Communications</i> , 2015, 6, 6330.	5.8	162
28	Tuning the Work Function of Polar Zinc Oxide Surfaces using Modified Phosphonic Acid Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2014, 24, 7014-7024.	7.8	160
29	Encapsulation of Functional Moieties within Branched Star Polymers: Effect of Chain Length and Solvent on Site Isolation. <i>Journal of the American Chemical Society</i> , 2001, 123, 18-25.	6.6	159
30	Photoswitching of Basicity. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5968-5972.	7.2	158
31	The Effect of Macromolecular Architecture in Nanomaterials: A Comparison of Site Isolation in Porphyrin Core Dendrimers and Their Isomeric Linear Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 3926-3938.	6.6	149
32	Spatial periodicity in molecular switching. <i>Nature Nanotechnology</i> , 2008, 3, 649-653.	15.6	149
33	Solution Mask Liquid Lithography (SMaLL) for One-Step, Multimaterial 3D Printing. <i>Advanced Materials</i> , 2018, 30, e1800364.	11.1	143
34	Photoswitchable Catalysts: Correlating Structure and Conformational Dynamics with Reactivity by a Combined Experimental and Computational Approach. <i>Journal of the American Chemical Society</i> , 2009, 131, 357-367.	6.6	141
35	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , 2019, 14, 347-353.	15.6	139
36	Switching Diarylethenes Reliably in Both Directions with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1208-1212.	7.2	128

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37	Control of Imine Exchange Kinetics with Photoswitches to Modulate Self-Healing in Polysiloxane Networks by Light Illumination. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13882-13886.	7.2	123
38	Optically Active, Amphiphilic Poly(<i>meta</i> -phenylene ethynylene)s: Synthesis, Hydrogen-Bonding Enforced Helix Stability, and Direct AFM Observation of Their Helical Structures. <i>Journal of the American Chemical Society</i> , 2012, 134, 8718-8728.	6.6	118
39	Adsorption and Switching Properties of Azobenzene Derivatives on Different Noble Metal Surfaces: Au(111), Cu(111), and Au(100). <i>Journal of Physical Chemistry C</i> , 2008, 112, 10509-10514.	1.5	116
40	Intramolecular Cross-Linking of Helical Folds: An Approach to Organic Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 6021-6024.	7.2	115
41	Welding, Organizing, and Planting Organic Molecules on Substrate Surfaces—Promising Approaches towards Nanoarchitectonics from the Bottom up. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 24-26.	7.2	114
42	Toward optomechanics: Maximizing the photodeformation of individual molecules. <i>Chemical Communications</i> , 2011, 47, 12260.	2.2	113
43	Functionally Layered Dendrimers: A New Building Block and Its Application to the Synthesis of Multichromophoric Light-Harvesting Systems. <i>Organic Letters</i> , 2005, 7, 4451-4454.	2.4	112
44	Responsive Backbones Based on Alternating Triazole-Pyridine/Benzene Copolymers: From Helically Folding Polymers to Metallosupramolecularly Crosslinked Gels. <i>Macromolecular Rapid Communications</i> , 2008, 29, 347-351.	2.0	110
45	Functionalizing the interior of dendrimers: Synthetic challenges and applications. <i>Journal of Polymer Science Part A</i> , 2003, 41, 1047-1058.	2.5	108
46	Electrocatalytic <i>Z</i> to <i>E</i> Isomerization of Azobenzenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 335-341.	6.6	108
47	A photoswitchable catalyst system for remote-controlled (co)polymerization in situ. <i>Nature Catalysis</i> , 2018, 1, 516-522.	16.1	108
48	Light-Driven Catalysis within Dendrimers: Designing Amphiphilic Singlet Oxygen Sensitizers. <i>Journal of the American Chemical Society</i> , 2001, 123, 6959-6960.	6.6	106
49	Reversible and Quantitative Denaturation of Amphiphilic Oligo(azobenzene) Foldamers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1640-1643.	7.2	100
50	Efficient light emission from inorganic and organic semiconductor hybrid structures by energy-level tuning. <i>Nature Communications</i> , 2015, 6, 6754.	5.8	99
51	<i>N,N</i> -Disubstituted Indigos as Readily Available Red-Light Photoswitches with Tunable Thermal Half-Lives. <i>Journal of the American Chemical Society</i> , 2017, 139, 15205-15211.	6.6	99
52	Designing Molecular Photoswitches for Soft Materials Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1900404.	3.6	99
53	Effect of Core Structure on Photophysical and Hydrodynamic Properties of Porphyrin Dendrimers. <i>Macromolecules</i> , 2000, 33, 2967-2973.	2.2	96
54	Discrete Organic Nanotubes Based on a Combination of Covalent and Non-Covalent Approaches. <i>Topics in Current Chemistry</i> , 0, , 89-150.	4.0	95

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55	Towards Photocontrol over the Helix-Coil Transition in Foldamers: Synthesis and Photoresponsive Behavior of Azobenzene-Core Amphiphilic Oligo(meta-phenylene ethynylene)s. <i>Chemistry - A European Journal</i> , 2006, 12, 4764-4774.	1.7	95
56	Complexes of Click-Derived Bistriazolylpyridines: Remarkable Electronic Influence of Remote Substituents on Thermodynamic Stability as well as Electronic and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2010, 16, 10202-10213.	1.7	93
57	Structural Effects in Visible-Light-Responsive Metal-Organic Frameworks Incorporating ortho-Fluoroazobenzenes. <i>Chemistry - A European Journal</i> , 2016, 22, 746-752.	1.7	90
58	Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. <i>Nature Communications</i> , 2016, 7, 13623.	5.8	87
59	Porphyrim Core Star Polymers: Synthesis, Modification, and Implication for Site Isolation. <i>Journal of the American Chemical Society</i> , 1999, 121, 9239-9240.	6.6	85
60	Designing Structural Motifs for Clickamers: Exploiting the 1,2,3-Triazole Moiety to Generate Conformationally Restricted Molecular Architectures. <i>Chemistry - A European Journal</i> , 2011, 17, 1473-1484.	1.7	85
61	Remote control over folding by light. <i>Chemical Communications</i> , 2016, 52, 6639-6653.	2.2	85
62	Conductance of a single flexible molecular wire composed of alternating donor and acceptor units. <i>Nature Communications</i> , 2015, 6, 7397.	5.8	83
63	Light-Orchestrated Macromolecular Accordion: Reversible Photoinduced Shrinking of Rigid Rod Polymers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12559-12563.	7.2	82
64	Modulating Guest Uptake in Core-Shell MOFs with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12862-12867.	7.2	81
65	Single Molecular Wires Connecting Metallic and Insulating Surface Areas. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9966-9970.	7.2	78
66	Electronic Decoupling Approach to Quantitative Photoswitching in Linear Multiazobenzene Architectures. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9930-9940.	1.2	77
67	Taking Photochromism beyond Visible: Direct One-Photon NIR Photoswitches Operating in the Biological Window. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1414-1417.	7.2	77
68	Light-driven molecular trap enables bidirectional manipulation of dynamic covalent systems. <i>Nature Chemistry</i> , 2018, 10, 1031-1036.	6.6	76
69	An Alternative Synthetic Approach toward Dendritic Macromolecules: A Novel Benzene-Core Dendrimers via Alkyne Cyclotrimerization. <i>Journal of the American Chemical Society</i> , 1999, 121, 4084-4085.	6.6	74
70	Practical synthesis of an amphiphilic, non-ionic poly(para-phenyleneethynylene) derivative with a remarkable quantum yield in water. <i>Chemical Communications</i> , 2005, , 584-586.	2.2	74
71	Controlling Covalent Connection and Disconnection with Light. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8784-8787.	7.2	73
72	Polymerization on Stepped Surfaces: Alignment of Polymers and Identification of Catalytic Sites. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5096-5100.	7.2	71

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73	Photoswitching Vertically Oriented Azobenzene Self-Assembled Monolayers at the Solid-Liquid Interface. Chemistry - A European Journal, 2010, 16, 14256-14260.	1.7	70
74	Sensitized Two-Photon Z ⁺ E Isomerization of a Visible-Light-Addressable Bistable Azobenzene Derivative. Angewandte Chemie - International Edition, 2016, 55, 1544-1547.	7.2	67
75	Optical Switching of Hierarchical Self-Assembly: Towards "Enlightened" Materials. Small, 2004, 1, 26-29.	5.2	65
76	Non-Covalent Functionalization of Individual Nanotubes with Spiropyran-Based Molecular Switches. Advanced Functional Materials, 2012, 22, 2425-2431.	7.8	62
77	Light-Activated Sensitive Probes for Amine Detection. Angewandte Chemie - International Edition, 2017, 56, 1914-1918.	7.2	60
78	Quantifying the atomic-level mechanics of single long physisorbed molecular chains. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3968-3972.	3.3	59
79	Light-Modulation of the Charge Injection in a Polymer Thin-Film Transistor by Functionalizing the Electrodes with Bistable Photochromic Self-Assembled Monolayers. Advanced Materials, 2016, 28, 6606-6611.	11.1	57
80	Hole Catalysis as a General Mechanism for Efficient and Wavelength-Independent Z ⁺ E Azobenzene Isomerization. Chem, 2018, 4, 1740-1755.	5.8	57
81	Synthesis of a Novel Chiral Squaraine Dye and Its Unique Aggregation Behavior in Solution and in Self-Assembled Monolayers. Advanced Materials, 2006, 18, 1271-1275.	11.1	56
82	Adatoms underneath Single Porphyrin Molecules on Au(111). Journal of the American Chemical Society, 2015, 137, 1844-1849.	6.6	56
83	Gating the photochromism of an azobenzene by strong host-guest interactions in a divalent pseudo[2]rotaxane. Chemical Communications, 2015, 51, 9777-9780.	2.2	56
84	Optically switchable transistors comprising a hybrid photochromic molecule/n-type organic active layer. Journal of Materials Chemistry C, 2015, 3, 4156-4161.	2.7	56
85	Sensitized photocatalytical oxidation of terbutylazine. Solar Energy Materials and Solar Cells, 1994, 33, 475-481.	3.0	55
86	Modulating Large-Area Self-Assembly at the Solid-Liquid Interface by pH-Mediated Conformational Switching. Chemistry - A European Journal, 2009, 15, 4788-4792.	1.7	53
87	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. Nature Communications, 2018, 9, 2661.	5.8	53
88	Sterically Crowding the Bridge of Dithienylcyclopentenes for Enhanced Photoswitching Performance. Chemistry - A European Journal, 2012, 18, 14282-14285.	1.7	52
89	Switching with orthogonal stimuli: electrochemical ring-closure and photochemical ring-opening of bis(thiazolyl)maleimides. Chemical Science, 2013, 4, 1028-1040.	3.7	52
90	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Field-Effect Transistors. Advanced Materials, 2021, 33, e2007965.	11.1	52

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91	Electronic structure of the molecular switch tetra-tert-butyl-azobenzene adsorbed on Ag(111). Applied Physics A: Materials Science and Processing, 2007, 88, 465-472.	1.1	50
92	Vacuum-processable ladder-type oligophenylenes for organic-inorganic hybrid structures: synthesis, optical and electrochemical properties upon increasing planarization as well as thin film growth. Journal of Materials Chemistry, 2012, 22, 4383.	6.7	50
93	Photoswitchable polymerization catalysis: state of the art, challenges, and perspectives. Chemical Communications, 2019, 55, 4290-4298.	2.2	50
94	Construction with macromolecules. Materials Today, 2005, 8, 48-55.	8.3	48
95	Synthesis and Characterization of Azobenzene-Confined Porphyrins. Journal of Organic Chemistry, 2006, 71, 7846-7849.	1.7	48
96	Surface-Induced Selection During In-Situ Photoswitching at the Solid/Liquid Interface. Angewandte Chemie - International Edition, 2015, 54, 4865-4869.	7.2	48
97	Acid-catalysed thermal cycloreversion of a diarylethene: a potential way for triggered release of stored light energy?. Chemical Communications, 2017, 53, 2150-2153.	2.2	48
98	Donor-Acceptor Dihydropyrenes Switchable with Near-Infrared Light. Journal of the American Chemical Society, 2020, 142, 11857-11864.	6.6	48
99	Photoisomerization Ability of Molecular Switches Adsorbed on Au(111): Comparison between Azobenzene and Stilbene Derivatives. Journal of Physical Chemistry C, 2010, 114, 1231-1239.	1.5	46
100	Control over Unfolding Pathways by Localizing Photoisomerization Events within Heterosequence Oligoazobenzene Foldamers. Angewandte Chemie - International Edition, 2013, 52, 13740-13744.	7.2	45
101	Photoswitchable triple hydrogen-bonding motif. Chemical Communications, 2011, 47, 460-462.	2.2	44
102	Sensitive Assays by Nucleophile-Induced Rearrangement of Photoactivated Diarylethenes. Journal of the American Chemical Society, 2018, 140, 6432-6440.	6.6	44
103	Accelerated Discovery of \pm -Cyanodiarylethene Photoswitches. Journal of the American Chemical Society, 2021, 143, 9162-9168.	6.6	44
104	Light-Controlled α -Molecular Zippers-Based on Azobenzene Main Chain Polymers. Macromolecules, 2015, 48, 1531-1537.	2.2	43
105	Light-Controlled Reversible Modulation of Frontier Molecular Orbital Energy Levels in Trifluoromethylated Diarylethenes. Chemistry - A European Journal, 2017, 23, 3743-3754.	1.7	43
106	Hyperbranched porphyrins—a rapid synthetic approach to multiporphyrin macromolecules. Chemical Communications, 2000, , 313-314.	2.2	41
107	Chirality Remote Control in Nanoporous Materials by Circularly Polarized Light. Journal of the American Chemical Society, 2021, 143, 7059-7068.	6.6	41
108	Kinetic analysis of the photochemically and thermally induced isomerization of an azobenzene derivative on Au(111) probed by two-photon photoemission. Applied Physics A: Materials Science and Processing, 2008, 93, 253-260.	1.1	40

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109	Orthogonal switching in four-state azobenzene mixed-dimers. <i>Chemical Communications</i> , 2017, 53, 3323-3326.	2.2	40
110	Wrapping Peptide Tubes: Merging Biological Self-Assembly and Polymer Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6986-6989.	7.2	39
111	Immobilization of a Photoswitchable Piperidine Base. <i>Organic Letters</i> , 2009, 11, 4790-4793.	2.4	39
112	Gating Charge Recombination Rates through Dynamic Bridges in Tetrathiafulvalene-“Fullerene Architectures. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13985-13990.	7.2	38
113	A Versatile Approach for In Situ Monitoring of Photoswitches and Photopolymerizations. <i>ChemPhotoChem</i> , 2017, 1, 125-131.	1.5	38
114	On the electronic and geometrical structure of the trans- and cis-isomer of tetra-tert-butyl-azobenzene on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4488.	1.3	37
115	Substrate-controlled linking of molecular building blocks: Au(111) vs. Cu(111). <i>Surface Science</i> , 2014, 627, 70-74.	0.8	37
116	Area Increase and Budding in Giant Vesicles Triggered by Light: Behind the Scene. <i>Advanced Science</i> , 2018, 5, 1800432.	5.6	37
117	Engineering Optically Switchable Transistors with Improved Performance by Controlling Interactions of Diarylethenes in Polymer Matrices. <i>Journal of the American Chemical Society</i> , 2020, 142, 11050-11059.	6.6	37
118	Photoreversible Prodrugs and Protags: Switching the Release of Maleimides by Using Light under Physiological Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 4422-4427.	1.7	36
119	On-surface polymerization on a semiconducting oxide: aryl halide coupling controlled by surface hydroxyl groups on rutile TiO ₂ (011). <i>Chemical Communications</i> , 2015, 51, 11276-11279.	2.2	36
120	Proton-Gated Ring-Closure of a Negative Photochromic Azulene-Based Diarylethene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18532-18536.	7.2	35
121	Cooperative Switching Events in Azobenzene Foldamer Denaturation. <i>Chemistry - A European Journal</i> , 2012, 18, 10519-10524.	1.7	33
122	The role of statistics and microenvironment for the photoresponse in multi-switch architectures: The case of photoswitchable oligoazobenzene foldamers. <i>Chemical Science</i> , 2013, 4, 4156.	3.7	33
123	Energy-Level Engineering at ZnO/Oligophenylene Interfaces with Phosphonate-Based Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11900-11907.	4.0	33
124	Reversible and Efficient Light-Induced Molecular Switching on an Insulator Surface. <i>ACS Nano</i> , 2018, 12, 1821-1828.	7.3	33
125	Helically Folding Polymers. , 0, , 331-366.		32
126	Photoinduced reversible changes in the electronic structure of photochromic diarylethene films. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 1-4.	1.1	32

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127	State-of-Matter-Dependent Charge-Transfer Interactions between Planar Molecules for Doping Applications. <i>Chemistry of Materials</i> , 2019, 31, 1237-1249.	3.2	32
128	Alternating (Squaraine ²⁺ Receptor) Sensory Polymers: A Modular One-Pot Synthesis and Signal Transduction via Conformationally Controlled Exciton Interaction. <i>Macromolecules</i> , 2004, 37, 4761-4769.	2.2	31
129	On the Illusive Nature of o-Formylazobenzenes: Exploiting the Nucleophilicity of the Azo Group for Cyclization to Indazole Derivatives. <i>Journal of Organic Chemistry</i> , 2006, 71, 7840-7845.	1.7	31
130	Cooperative Switching in Nanofibers of Azobenzene Oligomers. <i>Scientific Reports</i> , 2016, 6, 25605.	1.6	31
131	Controlling the growth mode of <i>para</i> -sexiphenyl (6P) on ZnO by partial fluorination. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26084-26093.	1.3	30
132	Ultrafast Dynamics of Photoisomerization and Subsequent Unfolding of an Oligoazobenzene Foldamer. <i>Journal of the American Chemical Society</i> , 2016, 138, 12997-13005.	6.6	30
133	Modulating the Charge Transport in 2D Semiconductors via Energy Level Phototuning. <i>Advanced Materials</i> , 2019, 31, 1903402.	11.1	30
134	Photochemistry and photophysics of donor-acceptor-polyenes. I: all-trans-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 123, 99-108.	2.0	29
135	Conformationally pre-organized and pH-responsive flat dendrons: synthesis and self-assembly at the liquid-solids interface. <i>Nanoscale</i> , 2012, 4, 467-472.	2.8	29
136	Broadband transient absorption spectroscopy with 1- and 2-photon excitations: Relaxation paths and cross sections of a triphenylamine dye in solution. <i>Journal of Chemical Physics</i> , 2015, 143, 024311.	1.2	29
137	Efficient Light-Induced pKa...Modulation Coupled to Base-Catalyzed Photochromism. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4797-4801.	7.2	29
138	Simultaneous Optical Tuning of Hole and Electron Transport in Ambipolar WSe ₂ Interfaced with a Bicomponent Photochromic Layer: From High-Mobility Transistors to Flexible Multilevel Memories. <i>Advanced Materials</i> , 2020, 32, e1907903.	11.1	29
139	Poly(ortho-phenylene ethynylene)s: Synthetic accessibility and optical properties. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1619-1627.	2.5	28
140	Polypseudopeptides with Variable Stereochemistry: Synthesis via Click-Chemistry, Postfunctionalization, and Conformational Behavior in Solution. <i>Macromolecules</i> , 2010, 43, 242-248.	2.2	28
141	Design and synthesis of a photoswitchable guanidine catalyst. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1825-1830.	1.3	28
142	Zinc oxide modified with benzylphosphonic acids as transparent electrodes in regular and inverted organic solar cell structures. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	28
143	Reconfigurable and Preconfigurable Multistable Visible Light Responsive Surface Topographies. <i>Small</i> , 2018, 14, e1803274.	5.2	28
144	External Reversal of Chirality Transfer in Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1945-1949.	7.2	28

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145	Tough Multimaterial Interfaces through Wavelength-Selective 3D Printing. ACS Applied Materials & Interfaces, 2021, 13, 22065-22072.	4.0	28
146	A photoprogrammable electronic nose with switchable selectivity for VOCs using MOF films. Chemical Science, 2021, 12, 15700-15709.	3.7	28
147	Tuning the formation of discrete coordination nanostructures. Chemical Communications, 2015, 51, 12621-12624.	2.2	27
148	Phototuning Selectively Hole and Electron Transport in Optically Switchable Ambipolar Transistors. Advanced Functional Materials, 2020, 30, 1908944.	7.8	27
149	Modulating the self-assembly of rigid α - ω -clicked dendrimers at the solid-liquid interface by tuning non-covalent interactions between side groups. Chemical Communications, 2011, 47, 10578.	2.2	26
150	Lattice Matching as the Determining Factor for Molecular Tilt and Multilayer Growth Mode of the Nanographene Hexa-peri-hexabenzocoronene. ACS Applied Materials & Interfaces, 2014, 6, 21484-21493.	4.0	26
151	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. Advanced Functional Materials, 2018, 28, 1800716.	7.8	26
152	Microwave-accelerated synthesis of lengthy and defect-free poly(m-phenyleneethynylene)s via AB ₂ and A ₂ + BB ₂ polycondensation routes Electronic supplementary information (ESI) available: monomer syntheses, polycondensation procedures, and polymer characterization. See http://www.rsc.org/suppdata/cc/b3/b312762a/ . Chemical Communications, 2004, , 300.	2.2	25
153	Amphiphilic Folded Dendrimer Discs and Their Thermosensitive Self-Assembly in Water. Chemistry - A European Journal, 2012, 18, 5837-5842.	1.7	25
154	Kontrolle der Kinetik von Imin austauschreaktionen mit Photoschaltern zur lichtgesteuerten Modulation der Selbstheilung in Polysiloxanetzwerken. Angewandte Chemie, 2016, 128, 14086-14090.	1.6	25
155	Singly and Doubly Oxidized Phthalocyanine (pc) Rings: [Cu(pc)(ReO ₄)] and [Cu(pc)(ReO ₄) ₂]. Angewandte Chemie - International Edition, 2001, 40, 244-246.	7.2	24
156	Poly(propylene oxide)- <i>b</i> -Poly(phenylene ethynylene) Block and Graft Copolymers. Macromolecules, 2008, 41, 3219-3227.	2.2	24
157	Exploring the Conformational Space of Bridge-Substituted Dithienylcyclopentenes. Chemistry - A European Journal, 2015, 21, 14545-14554.	1.7	24
158	Steering a cycloaddition reaction via the surface structure. Surface Science, 2018, 678, 194-200.	0.8	24
159	Two-Photon-Induced versus One-Photon-Induced Isomerization Dynamics of a Bistable Azobenzene Derivative in Solution. Journal of Physical Chemistry B, 2015, 119, 12281-12288.	1.2	23
160	Sensibilisierte Zwei-Photonen-Isomerisierung eines im sichtbaren Spektralbereich ansprechbaren und bistabilen Azobenzolderivats. Angewandte Chemie, 2016, 128, 1569-1573.	1.6	23
161	About Underappreciated Yet Active Conformations of Thiourea Organocatalysts. Organic Letters, 2017, 19, 4199-4202.	2.4	23
162	Tunable Photomechanics in Diarylethene-Driven Liquid Crystal Network Actuators. ACS Applied Materials & Interfaces, 2020, 12, 47939-47947.	4.0	23

#	ARTICLE	IF	CITATIONS
163	Combination of Knoevenagel Polycondensation and Water-Assisted Dynamic Michael-Addition-Elimination for the Synthesis of Vinylene-Linked 2D Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	23
164	Formation and manipulation of discrete supramolecular azobenzene assemblies. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 247-252.	1.1	22
165	Electronic Properties of Optically Switchable Photochromic Diarylethene Molecules at the Interface with Organic Semiconductors. <i>ChemPhysChem</i> , 2017, 18, 722-727.	1.0	22
166	Exponential growth of functional poly(glutamic acid)dendrimers with variable stereochemistry. <i>Polymer Chemistry</i> , 2010, 1, 69-71.	1.9	21
167	Reversible Photomodulation of Electronic Communication in a π -Conjugated Photoswitchable-Fluorophore Molecular Dyad. <i>Chemistry - A European Journal</i> , 2016, 22, 1070-1075.	1.7	21
168	Control of long-distance motion of single molecules on a surface. <i>Science</i> , 2020, 370, 957-960.	6.0	21
169	Zuverlässiges Schalten von Diarylethenen in beide Richtungen mithilfe von sichtbarem Licht. <i>Angewandte Chemie</i> , 2016, 128, 1226-1230.	1.6	20
170	Dynamically Switching the Electronic and Electrostatic Properties of Indium-Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 1102-1110.	2.4	20
171	Predicting the yield of ion pair formation in molecular electrical doping: redox-potentials versus ionization energy/electron affinity. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13839-13848.	2.7	20
172	The Role of Morphology in Optically Switchable Transistors Based on a Photochromic Molecule/p-Type Polymer Semiconductor Blend. <i>Advanced Functional Materials</i> , 2020, 30, 1907507.	7.8	20
173	Graphene transistors for real-time monitoring molecular self-assembly dynamics. <i>Nature Communications</i> , 2020, 11, 4731.	5.8	20
174	Photomodulation of Charge Transport in All-Semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. <i>Advanced Materials</i> , 2020, 32, e2001268.	11.1	20
175	Mechanistic Insights into the Triplet Sensitized Photochromism of Diarylethenes. <i>Chemistry - A European Journal</i> , 2020, 26, 7672-7677.	1.7	20
176	Light-Induced Contraction and Extension of Single Macromolecules on a Modified Graphite Surface. <i>ACS Nano</i> , 2014, 8, 11987-11993.	7.3	19
177	Electronic structure changes during the on-surface synthesis of nitrogen-doped chevron-shaped graphene nanoribbons. <i>Physical Review B</i> , 2017, 96, .	1.1	19
178	Highly Cooperative Photoswitching in Dihydropyrene Dimers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19352-19358.	7.2	19
179	Wavelength-Dependent Photochemistry of 4-Methoxybicyclo[3.1.0]hexenones. <i>Journal of Organic Chemistry</i> , 1998, 63, 6102-6107.	1.7	18
180	Influence of linkage chemistry on folding, self-assembly, and photoresponse of amphiphilic azobenzene main chain polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 313-318.	2.5	18

#	ARTICLE	IF	CITATIONS
181	Covalent Assembly and Characterization of Nonsymmetrical Single-Molecule Nodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13724-13728.	7.2	18
182	On-Surface Annulation Reaction Cascade for the Selective Synthesis of Diindenopyrene. <i>ACS Nano</i> , 2017, 11, 12419-12425.	7.3	18
183	Light-mediated chiroptical switching of an achiral foldamer host in presence of a carbohydrate guest. <i>Chemical Communications</i> , 2021, 57, 93-96.	2.2	18
184	Tuning the interaction between carbon nanotubes and dipole switches: the influence of the change of the nanotube-spiropyran distance. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 394005.	0.7	17
185	Modulierung der Gastaufnahme in Core-Shell-MOFs mit sichtbarem Licht. <i>Angewandte Chemie</i> , 2019, 131, 12994-12999.	1.6	17
186	Elucidating the backbone conformation of photoswitchable foldamers using vibrational circular dichroism. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17263.	1.3	16
187	Green Emission in Ladder-Type Quarterphenyl: Beyond the Fluorenone-Defect. <i>Advanced Functional Materials</i> , 2014, 24, 7717-7727.	7.8	16
188	Photochemical Degradation of Various Bridge-Substituted Fluorene-Based Materials. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5474-5480.	1.1	16
189	Lowering the Healing Temperature of Photoswitchable Dynamic Covalent Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700376.	2.0	16
190	Bis(phenoxy-azo)titanium(IV) Complexes: Synthesis, Structure, and Catalytic Activity in Styrene Polymerization. <i>Organometallics</i> , 2012, 31, 4216-4220.	1.1	15
191	Comparing Isomeric Tridentate Carbazole-Based Click Ligands: Metal Complexes and Redox Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 5341-5349.	1.7	15
192	Ternary-Responsive Field-Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Few-Layer WSe ₂ . <i>Advanced Functional Materials</i> , 2021, 31, 2102721.	7.8	15
193	Design of Branched and Chiral Solvatochromic Probes: Toward Quantifying Polarity Gradients in Dendritic Macromolecules. <i>Organic Letters</i> , 2005, 7, 5023-5026.	2.4	14
194	Photochromie jenseits des Sichtbaren: Direkte, im biologischen Fenster adressierbare Einphotonen-NIR-Photoschalter. <i>Angewandte Chemie</i> , 2018, 130, 1429-1432.	1.6	14
195	General Synthesis and Optical Properties of N-Aryl-N ² -Silyldiazenes. <i>Organometallics</i> , 2019, 38, 4679-4686.	1.1	14
196	Modulating the luminance of organic light-emitting diodes via optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , 2020, 12, 5444-5451.	2.8	14
197	Avoiding the Center-Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. <i>Advanced Materials</i> , 2021, 33, e2103287.	11.1	14
198	Indexing grazing-incidence X-ray diffraction patterns of thin films: lattices of higher symmetry. <i>Journal of Applied Crystallography</i> , 2019, 52, 428-439.	1.9	14

#	ARTICLE	IF	CITATIONS
199	Reversible isomerization of an azobenzene derivative adsorbed on Au(111): Analysis using vibrational spectroscopy. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 223-228.	0.7	13
200	Molecules with multiple switching units on a Au(111) surface: self-organization and single-molecule manipulation. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 394013.	0.7	13
201	Cascade energy transfer versus charge separation in ladder-type oligo(<i>p</i> -phenylene)/ZnO hybrid structures for light-emitting applications. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	13
202	Dihydropyrene as an Aromaticity Probe for Partially Quinoid Push-Pull Systems. <i>ChemPlusChem</i> , 2017, 82, 1025-1029.	1.3	13
203	Effiziente lichtinduzierte pKa-Modulation, gekoppelt mit basenkatalysierter Photochromie. <i>Angewandte Chemie</i> , 2018, 130, 4888-4893.	1.6	13
204	Switching the Electronic Properties of ZnO Surfaces with Negative Type Photochromic Pyridyl-dihydropyrene Layers and Impact of Fermi Level Pinning. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900211.	1.9	13
205	Avenues into the Synthesis of Illusive Poly(<i>m</i> -phenylene-alt-squaraine)s: Polycondensation of <i>m</i> -Phenylenediamines with Squaric Acid Intercepted by Intermediate Semisquaraines of Exceptionally Low Reactivity. <i>Journal of Organic Chemistry</i> , 2004, 69, 184-187.	1.7	12
206	Diarylethene Photoswitches Featuring Tetrathiafulvalene-Containing Aryl Units. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23529-23538.	1.5	12
207	Electronic Communication in Linear Oligo(azobenzene) Radical Anions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 14056-14064.	1.1	12
208	Making Nonsymmetrical Bricks: Synthesis of Insoluble Dipolar Sexiphenyls. <i>Organic Letters</i> , 2014, 16, 2838-2841.	2.4	12
209	Electronic Activity Tuning of Acyclic Guanidines for Lactide Polymerization. <i>Macromolecules</i> , 2015, 48, 8729-8732.	2.2	12
210	Self-assembly of partially fluorinated hexabenzocoronene derivatives in the solid state. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33344-33350.	1.3	11
211	Synthesis of a New Class of Bis(thiourea)hydrazide Pseudopeptides as Potential Inhibitors of β -Sheet Aggregation. <i>Organic Letters</i> , 2012, 14, 330-333.	2.4	10
212	Subtle Fluorination of Conjugated Molecules Enables Stable Nanoscale Assemblies on Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18902-18911.	1.5	10
213	From Peptides to Their Alternating Ester-Urea Analogues: Synthesis and Influence of Hydrogen Bonding Motif and Stereochemistry on Aggregation. <i>Journal of Organic Chemistry</i> , 2010, 75, 772-782.	1.7	9
214	Modular Synthesis of Monomers for On-Surface Polymerization to Graphene Architectures. <i>Synlett</i> , 2013, 24, 259-263.	1.0	9
215	Tuning of the electronic and photophysical properties of ladder-type quaterphenyl by selective methylene-bridge fluorination. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16501-16508.	1.3	9
216	Efficient Sensitized <i>Z</i> -to- <i>E</i> Photoisomerization of an Iridium(III)-Azobenzene Complex over a Wide Concentration Range. <i>Chemistry - A European Journal</i> , 2017, 23, 14090-14095.	1.7	9

#	ARTICLE	IF	CITATIONS
217	Mechanistic Insights into the Photoisomerization of <i>N,N</i> -Disubstituted Indigos. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
218	Functional organic nanotubes from hollow helical scaffolds. <i>Synthetic Metals</i> , 2004, 147, 37-42.	2.1	8
219	Designing a spiropyran-based molecular switch for carbon nanotube functionalization: Influence of anchor groups and tube-switch separation. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2479-2482.	0.7	8
220	Gradual Fluorination of Ladder-type Quarterphenyl. <i>Israel Journal of Chemistry</i> , 2014, 54, 789-795.	1.0	8
221	Observing single-atom diffusion at a molecule-metal interface. <i>Physical Review B</i> , 2016, 94, .	1.1	8
222	Chemistry in and out of nanoflasks. <i>Nature Nanotechnology</i> , 2016, 11, 6-7.	15.6	8
223	Ultrafast Light-Driven Substrate Expulsion from the Active Site of a Photoswitchable Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12092-12096.	7.2	8
224	Light-induced photoisomerization of a diarylethene molecular switch on solid surfaces. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 374001.	0.7	8
225	Imine-based dynamic polymer networks as photoprogrammable amine sensing devices. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2378-2382.	2.5	8
226	The Emergence of Covalent On-Surface Polymerization. <i>Advances in Atom and Single Molecule Machines</i> , 2016, , 1-21.	0.0	8
227	Click Chemistry Derived Pyridazines: Electron-Deficient Building Blocks with Defined Conformation and Packing Structure. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3156-3161.	1.7	7
228	Lichtaktivierte Sensoren zur empfindlichen Amindetektion. <i>Angewandte Chemie</i> , 2017, 129, 1941-1945.	1.6	7
229	On-Surface Polymerization: From Polyarylenes to Graphene Nanoribbons and Two-Dimensional Networks. <i>Advances in Polymer Science</i> , 2017, , 99-125.	0.4	7
230	Fingerprint of Charge Redistribution in the Optical Spectra of Hybrid Inorganic/Organic Semiconductor Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12913-12919.	1.5	7
231	Shining a Light on Proteolysis Targeting Chimeras. <i>ACS Central Science</i> , 2019, 5, 1645-1647.	5.3	7
232	Engineering crack tortuosity in printed polymer-polymer composites through ordered pores. <i>Materials Horizons</i> , 2020, 7, 1854-1860.	6.4	7
233	Hybrid polaritons in a resonant inorganic/organic semiconductor microcavity. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	6
234	Oxidative and reductive cyclization in stiff dithienylethenes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2812-2821.	1.3	6

#	ARTICLE	IF	CITATIONS
235	Externe Umkehr eines Chiralitätstransfers im Photoschalter. <i>Angewandte Chemie</i> , 2019, 131, 1965-1969.	1.6	6
236	Simultaneous Effect of Ultraviolet Radiation and Surface Modification on the Work Function and Hole Injection Properties of ZnO Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900876.	0.8	6
237	Ordered Donor–Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11023-11031.	1.5	6
238	Stabilizing Indigo <i>Z</i> -Isomer through Intramolecular Associations of Redox-Active Appendages. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6304-6311.	1.2	6
239	Spiro-Bridged Ladder-Type Oligo(<i>para</i> -phenylene)s: Fine Tuning Solid State Structure and Optical Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1704077.	7.8	5
240	Multivalency in Heteroternary Complexes on Cucurbit[8]uril-Functionalized Surfaces: Self-assembly, Patterning, and Exchange Processes. <i>ChemPlusChem</i> , 2019, 84, 1324-1330.	1.3	5
241	Uncovering the (un-)occupied electronic structure of a buried hybrid interface. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 094001.	0.7	5
242	Dipolar Substitution Impacts Growth and Electronic Properties of Para- <i>Sex</i> iphenyl Thin Films. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901707.	1.9	5
243	Using Active Surface Plasmons in a Multibit Optical Storage Device to Emulate Long-Term Synaptic Plasticity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000354.	0.8	5
244	Connectivity pattern modifies excited state relaxation dynamics of fluorophore–photoswitch molecular dyads. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4010-4018.	1.3	4
245	Hochkooperatives Photoschalten in Dihydropyren-Dimeren. <i>Angewandte Chemie</i> , 2020, 132, 19517-19523.	1.6	4
246	Photocontrollable Modulation of Frontier Molecular Orbital Energy Levels of Cyclopentenone-Based Diarylethenes. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3681-3688.	1.1	4
247	Reversible training of waveguide-based AND/OR gates for optically driven artificial neural networks using photochromic molecules. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 044002.	1.3	4
248	Diarylethenes in Optically Switchable Organic Light-Emitting Diodes: Direct Investigation of the Reversible Charge Carrier Trapping Process. <i>Advanced Optical Materials</i> , 2022, 10, 2101116.	3.6	4
249	Combination of Knoevenagel Polycondensation and Water-Assisted Dynamic Michael-Addition-Elimination for the Synthesis of Vinylene-Linked 2D Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
250	Discrete multiporphyrin pseudorotaxane assemblies from di- and tetravalent porphyrin building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 748-762.	1.3	3
251	Switching to Bright. <i>Advanced Optical Materials</i> , 2016, 4, 1320-1321.	3.6	3
252	Ultrafast Light-Driven Substrate Expulsion from the Active Site of a Photoswitchable Catalyst. <i>Angewandte Chemie</i> , 2017, 129, 12260-12264.	1.6	3

#	ARTICLE	IF	CITATIONS
253	Dependence of the adsorption height of graphenelike adsorbates on their dimensionality. Physical Review B, 2018, 98, .	1.1	3
254	Protonenvermittelter Ringschluss eines negativ photochromen, Azulenâ€basierten Diarylethens. Angewandte Chemie, 2020, 132, 18690-18695.	1.6	3
255	Island formation and manipulation of prochiral azobenzene derivatives on Au(111). Journal of Physics Condensed Matter, 2012, 24, 354013.	0.7	2
256	Strong Coupling and Laser Action of Ladderâ€Type Oligo(<i>p</i>-phenylene)s in a Microcavity. ChemPhysChem, 2014, 15, 3805-3808.	1.0	2
257	Molecular Dissociation on the SiC(0001) 3Ã—3 Surface. ChemPhysChem, 2016, 17, 3900-3906.	1.0	2
258	Oligothiopheneâ€Based Phosphonates for Surface Modification of Ultraflat Transparent Conductive Oxides. Advanced Materials Interfaces, 2020, 7, 1902114.	1.9	2
259	Binding of a TlCl Entity by a Tetragold Tetramercaptothiacalixarene Metalloligand via Metallophilic Interactions. Chemistry - A European Journal, 2021, 27, 8344-8349.	1.7	2
260	Gated Systems for Multifunctional Optoelectronic Devices. Advanced Materials, 2013, 25, 301-301.	11.1	1
261	Electronic Properties of Optically Switchable Photochromic Diarylethene Molecules at the Interface with Organic Semiconductors. ChemPhysChem, 2017, 18, 717-717.	1.0	1
262	Charge Transport: Photomodulation of Charge Transport in Allâ€Semiconducting 2Dâ€1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect (Adv. Mater. 26/2020). Advanced Materials, 2020, 32, 2070200.	11.1	1
263	Organizing matter from the bottom up. Materials Today, 2004, 7, 14.	8.3	0
264	Design of Branched and Chiral Solvatochromic Probes: Toward Quantifying Polarity Gradients in Dendritic Macromolecules.. ChemInform, 2006, 37, no.	0.1	0
265	Wrapping Peptide Tubes: Merging Biological Self-Assembly and Polymer Synthesis. ChemInform, 2006, 37, no.	0.1	0
266	Stefan Hecht. Angewandte Chemie - International Edition, 2011, 50, 7218-7218.	7.2	0
267	Light-triggered conversion of non-ionic into ionic surfactants: towards chameleon detergents for 2-D gel electrophoresis. Photochemical and Photobiological Sciences, 2012, 11, 497.	1.6	0
268	Photoswitchable General Base Catalysts. , 2013, , 139-145.		0
269	Frontispiece:ortho-Fluoroazobenzenes: Visible Light Switches with Very Long-LivedZIsomers. Chemistry - A European Journal, 2014, 20, n/a-n/a.	1.7	0
270	Light-Gated Chemical Reactions and Catalytic Processes. , 2016, , 167-193.		0

#	ARTICLE	IF	CITATIONS
271	Covalent Assembly and Characterization of Nonsymmetrical Single-Molecule Nodes. <i>Angewandte Chemie</i> , 2016, 128, 13928-13932.	1.6	0
272	Innenrücktitelbild: Kontrolle der Kinetik von Imin austauschreaktionen mit Photoschaltern zur lichtgesteuerten Modulation der Selbstheilung in Polysiloxan Netzwerken (<i>Angew. Chem.</i> 44/2016). <i>Angewandte Chemie</i> , 2016, 128, 14103-14103.	1.6	0
273	Efficient light emission from hybrid inorganic/organic semiconductor structures by energy level optimization. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
274	Strategies for Switching with Visible Light. , 2017, , 93-114.		0
275	Frontispiz: Modulierung der Gastaufnahme in Core-Shell-MOFs mit sichtbarem Licht. <i>Angewandte Chemie</i> , 2019, 131, .	1.6	0
276	Frontispiece: Modulating Guest Uptake in Core-Shell MOFs with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2019, 58, .	7.2	0
277	Stereoinformation Relay: Coupling Diastereoselectivity of a Thermal Diels-Alder Reaction with the Photochemical Ring-Closure of Diarylethenes. <i>ChemPhotoChem</i> , 2019, 3, 461-466.	1.5	0
278	Ambipolar Semiconductors: Simultaneous Optical Tuning of Hole and Electron Transport in Ambipolar WSe_2 Interfaced with a Bicomponent Photochromic Layer: From High-Mobility Transistors to Flexible Multilevel Memories (<i>Adv. Mater.</i> 11/2020). <i>Advanced Materials</i> , 2020, 32, 2070085.	11.1	0
279	Ternary-Responsive Field-Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Few-Layer WSe_2 (<i>Adv. Funct. Mater.</i> 36/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170268.	7.8	0