

Stefan Hecht

List of Publications by Year in Descending Order

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

301
papers

18,250
citations

68
h-index

128
g-index

335
ext. papers

20,230
ext. citations

9.8
avg, IF

7.24
L-index

#	Paper	IF	Citations
301	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	3	1
300	Auf dem Weg zum Replikator. <i>Physik in Unserer Zeit</i> , 2022 , 53, 125-131	0.1	1
299	Versatile Photoswitchable Molecules in Catalysis 2022 , 455-475		
298	A photoprogrammable electronic nose with switchable selectivity for VOCs using MOF films.. <i>Chemical Science</i> , 2021 , 12, 15700-15709	9.4	4
297	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2021 , 33, e2007965	24	25
296	Photoswitchable Components to Drive Molecular Systems Away from Global Thermodynamic Minimum by Light ¹ 2021 , 275-304		0
295	Tough Multimaterial Interfaces through Wavelength-Selective 3D Printing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22065-22072	9.5	12
294	Photocontrollable Modulation of Frontier Molecular Orbital Energy Levels of Cyclopentenone-Based Diarylethenes. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 3681-3688	2.8	0
293	Chirality Remote Control in Nanoporous Materials by Circularly Polarized Light. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7059-7068	16.4	9
292	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	15.6	8
291	Binding of a TlCl Entity by a Tetragold Tetramercaptothiacalixarene Metalloligand via Metallophilic Interactions. <i>Chemistry - A European Journal</i> , 2021 , 27, 8344-8349	4.8	1
290	Accelerated Discovery of π -Cyanodiarylethene Photoswitches. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9162-9168	16.4	11
289	Light-mediated chiroptical switching of an achiral foldamer host in presence of a carbohydrate guest. <i>Chemical Communications</i> , 2021 , 57, 93-96	5.8	4
288	Avoiding the Center-Symmetry Trap: Programmed Assembly of Dipolar Precursors into Porous, Crystalline Molecular Thin Films. <i>Advanced Materials</i> , 2021 , 33, e2103287	24	1
287	Ternary-Responsive Field-Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Few-Layer WSe ₂ (Adv. Funct. Mater. 36/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170268	15.6	
286	Xolography for linear volumetric 3D printing. <i>Nature</i> , 2020 , 588, 620-624	50.4	85
285	Oligothiophene-Based Phosphonates for Surface Modification of Ultraflat Transparent Conductive Oxides. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1902114	4.6	1

284	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	24	9
283	Donor-Acceptor Dihydropyrenes Switchable with Near-Infrared Light. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11857-11864	16.4	26
282	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	16.4	24
281	Mechanistic Insights into the Triplet Sensitized Photochromism of Diarylethenes. <i>Chemistry - A European Journal</i> , 2020 , 26, 7672-7677	4.8	10
280	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 (Adv. Mater. 11/2020). <i>Advanced Materials</i> , 2020 , 32, 2070085	24	
279	Charge Transport: Photomodulation of Charge Transport in All-Semiconducting 2D/1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect (Adv. Mater. 26/2020). <i>Advanced Materials</i> , 2020 , 32, 2070200	24	1
278	Protonenvermittelter Ringschluss eines negativ photochromen, Azulen-basierten Diarylethens. <i>Angewandte Chemie</i> , 2020 , 132, 18690-18695	3.6	2
277	Proton-Gated Ring-Closure of a Negative Photochromic Azulene-Based Diarylethene. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18532-18536	16.4	12
276	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	7.7	8
275	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	1.6	4
274	Covalent on-surface polymerization. <i>Nature Chemistry</i> , 2020 , 12, 115-130	17.6	103
273	Enlightening Materials with Photoswitches. <i>Advanced Materials</i> , 2020 , 32, e1905966	24	142
272	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	24	19
271	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	3.8	3
270	Dipolar Substitution Impacts Growth and Electronic Properties of Para-Sexiphenyl Thin Films. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901707	4.6	4
269	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	15.6	14
268	Phototuning Selectively Hole and Electron Transport in Optically Switchable Ambipolar Transistors. <i>Advanced Functional Materials</i> , 2020 , 30, 1908944	15.6	18
267	Tunable Photomechanics in Diarylethene-Driven Liquid Crystal Network Actuators. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47939-47947	9.5	12

266	Control of long-distance motion of single molecules on a surface. <i>Science</i> , 2020 , 370, 957-960	33.3	9
265	Hochkooperatives Photoschalten in Dihydropyren-Dimeren. <i>Angewandte Chemie</i> , 2020 , 132, 19517-19523	36	0
264	Highly Cooperative Photoswitching in Dihydropyrene Dimers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19352-19358	16.4	9
263	Graphene transistors for real-time monitoring molecular self-assembly dynamics. <i>Nature Communications</i> , 2020 , 11, 4731	17.4	12
262	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	1.6	1
261	Engineering crack tortuosity in printed polymer/polymer composites through ordered pores. <i>Materials Horizons</i> , 2020 , 7, 1854-1860	14.4	4
260	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	5.6	15
259	State-of-Matter-Dependent Charge-Transfer Interactions between Planar Molecules for Doping Applications. <i>Chemistry of Materials</i> , 2019 , 31, 1237-1249	9.6	22
258	Multivalency in Heteroternary Complexes on Cucurbit[8]uril-Functionalized Surfaces: Self-assembly, Patterning, and Exchange Processes. <i>ChemPlusChem</i> , 2019 , 84, 1324-1330	2.8	4
257	Modulating Guest Uptake in Core-Shell MOFs with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12862-12867	16.4	50
256	Modulierung der Gastaufnahme in Core-Shell-MOFs mit sichtbarem Licht. <i>Angewandte Chemie</i> , 2019 , 131, 12994-12999	3.6	10
255	Optisch konfigurierbarer, organischer Transistor. <i>Physik in Unserer Zeit</i> , 2019 , 50, 112-113	0.1	
254	Designing Molecular Photoswitches for Soft Materials Applications. <i>Advanced Optical Materials</i> , 2019 , 7, 1900404	8.1	52
253	Switching the Electronic Properties of ZnO Surfaces with Negative T-Type Photochromic Pyridyl-dihydropyrene Layers and Impact of Fermi Level Pinning. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900211	4.6	10
252	Photoswitchable polymerization catalysis: state of the art, challenges, and perspectives. <i>Chemical Communications</i> , 2019 , 55, 4290-4298	5.8	31
251	Modulating the Charge Transport in 2D Semiconductors via Energy-Level Phototuning. <i>Advanced Materials</i> , 2019 , 31, e1903402	24	21
250	Indexing grazing-incidence X-ray diffraction patterns of thin films: lattices of higher symmetry. <i>Journal of Applied Crystallography</i> , 2019 , 52, 428-439	3.8	13
249	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , 2019 , 14, 347-353	28.7	87

248	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	7.1	11
247	General Synthesis and Optical Properties of N-Aryl-N'-Silyldiazenes. <i>Organometallics</i> , 2019 , 38, 4679-4686	5	
246	Imine-based dynamic polymer networks as photoprogrammable amine sensing devices. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 2378-2382	2.5	4
245	Uncovering the (un-)occupied electronic structure of a buried hybrid interface. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 094001	1.8	4
244	Stereoinformation Relay: Coupling Diastereoselectivity of a Thermal Diels-Alder Reaction with the Photochemical Ring-Closure of Diarylethenes. <i>ChemPhotoChem</i> , 2019 , 3, 461-466	3.3	
243	Externe Umkehr eines Chiralitätstransfers im Photoschalter. <i>Angewandte Chemie</i> , 2019 , 131, 1965-1969	3.6	4
242	External Reversal of Chirality Transfer in Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1945-1949	16.4	19
241	Effiziente lichtinduzierte pKa-Modulation, gekoppelt mit basenkatalysierter Photochromie. <i>Angewandte Chemie</i> , 2018 , 130, 4888-4893	3.6	12
240	Efficient Light-Induced pK Modulation Coupled to Base-Catalyzed Photochromism. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 4797-4801	16.4	23
239	Photochromie jenseits des Sichtbaren: Direkte, im biologischen Fenster adressierbare Einphotonen-NIR-Photoschalter. <i>Angewandte Chemie</i> , 2018 , 130, 1429-1432	3.6	9
238	Comparing Isomeric Tridentate Carbazole-Based Click Ligands: Metal Complexes and Redox Chemistry. <i>Chemistry - A European Journal</i> , 2018 , 24, 5341-5349	4.8	11
237	Reversible and Efficient Light-Induced Molecular Switching on an Insulator Surface. <i>ACS Nano</i> , 2018 , 12, 1821-1828	16.7	27
236	Solution Mask Liquid Lithography (SMaLL) for One-Step, Multimaterial 3D Printing. <i>Advanced Materials</i> , 2018 , 30, e1800364	24	95
235	Subtle Fluorination of Conjugated Molecules Enables Stable Nanoscale Assemblies on Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18902-18911	3.8	9
234	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. <i>Nature Communications</i> , 2018 , 9, 2661	17.4	42
233	Light-driven molecular trap enables bidirectional manipulation of dynamic covalent systems. <i>Nature Chemistry</i> , 2018 , 10, 1031-1036	17.6	50
232	Dependence of the adsorption height of graphenelike adsorbates on their dimensionality. <i>Physical Review B</i> , 2018 , 98,	3.3	2
231	Area Increase and Budding in Giant Vesicles Triggered by Light: Behind the Scene. <i>Advanced Science</i> , 2018 , 5, 1800432	13.6	24

230	Taking Photochromism beyond Visible: Direct One-Photon NIR Photoswitches Operating in the Biological Window. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1414-1417	16.4	55
229	Lowering the Healing Temperature of Photoswitchable Dynamic Covalent Polymer Networks. <i>Macromolecular Rapid Communications</i> , 2018 , 39, 1700376	4.8	13
228	Oxidative and reductive cyclization in stiff dithienylethenes. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2812-2821	2.5	6
227	Re- and Preconfigurable Multistable Visible Light Responsive Surface Topographies. <i>Small</i> , 2018 , 14, e1803274	11	21
226	Steering a cycloaddition reaction via the surface structure. <i>Surface Science</i> , 2018 , 678, 194-200	1.8	16
225	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. <i>Advanced Functional Materials</i> , 2018 , 28, 1800716	15.6	22
224	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	3.8	6
223	Sensitive Assays by Nucleophile-Induced Rearrangement of Photoactivated Diarylethenes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6432-6440	16.4	30
222	A photoswitchable catalyst system for remote-controlled (co)polymerization in situ. <i>Nature Catalysis</i> , 2018 , 1, 516-522	36.5	72
221	Hole Catalysis as a General Mechanism for Efficient and Wavelength-Independent Z-IE Azobenzene Isomerization. <i>Chem</i> , 2018 , 4, 1740-1755	16.2	41
220	Acid-catalysed thermal cycloreversion of a diarylethene: a potential way for triggered release of stored light energy?. <i>Chemical Communications</i> , 2017 , 53, 2150-2153	5.8	33
219	Light-Activated Sensitive Probes for Amine Detection. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1914-1918	16.4	44
218	Light-Controlled Reversible Modulation of Frontier Molecular Orbital Energy Levels in Trifluoromethylated Diarylethenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 3743-3754	4.8	36
217	Orthogonal switching in four-state azobenzene mixed-dimers. <i>Chemical Communications</i> , 2017 , 53, 3323-3326	5.8	25
216	A Versatile Approach for In Situ Monitoring of Photoswitches and Photopolymerizations. <i>ChemPhotoChem</i> , 2017 , 1, 125-131	3.3	32
215	Electronic Properties of Optically Switchable Photochromic Diarylethene Molecules at the Interface with Organic Semiconductors. <i>ChemPhysChem</i> , 2017 , 18, 722-727	3.2	15
214	Dihydropyrene as an Aromaticity Probe for Partially Quinoid Push-Pull Systems. <i>ChemPlusChem</i> , 2017 , 82, 1025-1029	2.8	8
213	Ultrafast Light-Driven Substrate Expulsion from the Active Site of a Photoswitchable Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12092-12096	16.4	7

212 Strategies for Switching with Visible Light **2017**, 93-114

211 Electronic Properties of Optically Switchable Photochromic Diarylethene Molecules at the Interface with Organic Semiconductors. *ChemPhysChem*, **2017**, 18, 717-717 3.2 1

210 Connectivity pattern modifies excited state relaxation dynamics of fluorophore-photoswitch molecular dyads. *Physical Chemistry Chemical Physics*, **2017**, 19, 4010-4018 3.6 3

209 Electrocatalytic Z-E Isomerization of Azobenzenes. *Journal of the American Chemical Society*, **2017**, 139, 335-341 16.4 81

208 Click Chemistry Derived Pyridazines: Electron-Deficient Building Blocks with Defined Conformation and Packing Structure. *Chemistry - an Asian Journal*, **2017**, 12, 3156-3161 4.5 6

207 N,N'-Disubstituted Indigos as Readily Available Red-Light Photoswitches with Tunable Thermal Half-Lives. *Journal of the American Chemical Society*, **2017**, 139, 15205-15211 16.4 59

206 Spiro-Bridged Ladder-Type Oligo(para-phenylene)s: Fine Tuning Solid State Structure and Optical Properties. *Advanced Functional Materials*, **2017**, 27, 1704077 15.6 4

205 Photoswitchable molecules as key ingredients to drive systems away from the global thermodynamic minimum. *Chemical Society Reviews*, **2017**, 46, 5536-5550 58.5 140

204 Efficient Sensitized Z-E Photoisomerization of an Iridium(III)-Azobenzene Complex over a Wide Concentration Range. *Chemistry - A European Journal*, **2017**, 23, 14090-14095 4.8 6

203 Electronic structure changes during the on-surface synthesis of nitrogen-doped chevron-shaped graphene nanoribbons. *Physical Review B*, **2017**, 96, 3.3 13

202 Ultrafast Light-Driven Substrate Expulsion from the Active Site of a Photoswitchable Catalyst. *Angewandte Chemie*, **2017**, 129, 12260-12264 3.6 3

201 Lichtaktivierte Sensoren zur empfindlichen Amindetektion. *Angewandte Chemie*, **2017**, 129, 1941-1945 3.6 7

200 About Underappreciated Yet Active Conformations of Thiourea Organocatalysts. *Organic Letters*, **2017**, 19, 4199-4202 6.2 21

199 On-Surface Annulation Reaction Cascade for the Selective Synthesis of Diindenopyrene. *ACS Nano*, **2017**, 11, 12419-12425 16.7 14

198 Light-induced photoisomerization of a diarylethene molecular switch on solid surfaces. *Journal of Physics Condensed Matter*, **2017**, 29, 374001 1.8 6

197 On-Surface Polymerization: From Polyarylenes to Graphene Nanoribbons and Two-Dimensional Networks. *Advances in Polymer Science*, **2017**, 99-125 1.3 3

196 Cooperative Switching in Nanofibers of Azobenzene Oligomers. *Scientific Reports*, **2016**, 6, 25605 4.9 28

195 Covalent Assembly and Characterization of Nonsymmetrical Single-Molecule Nodes. *Angewandte Chemie - International Edition*, **2016**, 55, 13724-13728 16.4 16

194	Covalent Assembly and Characterization of Nonsymmetrical Single-Molecule Nodes. <i>Angewandte Chemie</i> , 2016 , 128, 13928-13932	3.6	
193	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	16.4	94
192	A chaotic self-oscillating sunlight-driven polymer actuator. <i>Nature Communications</i> , 2016 , 7, 11975	17.4	253
191	Innenrücktitelbild: Kontrolle der Kinetik von Imin austauschreaktionen mit Photoschaltern zur lichtgesteuerten Modulation der Selbstheilung in Polysiloxannetzwerken (Angew. Chem. 44/2016). <i>Angewandte Chemie</i> , 2016 , 128, 14103-14103	3.6	
190	Structural Effects in Visible-Light-Responsive Metal-Organic Frameworks Incorporating ortho-Fluoroazobenzenes. <i>Chemistry - A European Journal</i> , 2016 , 22, 746-52	4.8	76
189	Sensitized Two-NIR-Photon Z-E Isomerization of a Visible-Light-Addressable Bistable Azobenzene Derivative. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1544-7	16.4	52
188	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, 769-75	28.7	222
187	Switching Diarylethenes Reliably in Both Directions with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1208-12	16.4	98
186	Nanoreactors: Chemistry in and out of nanoflasks. <i>Nature Nanotechnology</i> , 2016 , 11, 6-7	28.7	6
185	The Emergence of Covalent On-Surface Polymerization. <i>Advances in Atom and Single Molecule Machines</i> , 2016 , 1-21	0	6
184	Photochemical Degradation of Various Bridge-Substituted Fluorene-Based Materials. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 5474-80	2.8	10
183	Light-Modulation of the Charge Injection in a Polymer Thin-Film Transistor by Functionalizing the Electrodes with Bistable Photochromic Self-Assembled Monolayers. <i>Advanced Materials</i> , 2016 , 28, 6606-14	14	50
182	Light-Gated Chemical Reactions and Catalytic Processes 2016 , 167-193		
181	Sensibilisierte Zwei-NIR-Photonen-Z-E-Isomerisierung eines im sichtbaren Spektralbereich ansprechbaren und bistabilen Azobenzolderivats. <i>Angewandte Chemie</i> , 2016 , 128, 1569-1573	3.6	20
180	Reversible Photomodulation of Electronic Communication in a π -Conjugated Photoswitch-Fluorophore Molecular Dyad. <i>Chemistry - A European Journal</i> , 2016 , 22, 1070-5	4.8	19
179	Zuverlässiges Schalten von Diarylethenen in beide Richtungen mithilfe von sichtbarem Licht. <i>Angewandte Chemie</i> , 2016 , 128, 1226-1230	3.6	15
178	Self-assembly of partially fluorinated hexabenzocoronene derivatives in the solid state. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33344-33350	3.6	9
177	Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. <i>Nature Communications</i> , 2016 , 7, 13623	17.4	73

176	Remote control over folding by light. <i>Chemical Communications</i> , 2016 , 52, 6639-53	5.8	67
175	Tuning of the electronic and photophysical properties of ladder-type quaterphenyl by selective methylene-bridge fluorination. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16501-8	3.6	9
174	Molecular Dissociation on the SiC(0001) 3B Surface. <i>ChemPhysChem</i> , 2016 , 17, 3900-3906	3.2	1
173	Ultrafast Dynamics of Photoisomerization and Subsequent Unfolding of an Oligoazobenzene Foldamer. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12997-13005	16.4	26
172	Kontrolle der Kinetik von Imin austauschreaktionen mit Photoschaltern zur lichtgesteuerten Modulation der Selbstheilung in Polysiloxannetzwerken. <i>Angewandte Chemie</i> , 2016 , 128, 14086-14090	3.6	19
171	Observing single-atom diffusion at a molecule-metal interface. <i>Physical Review B</i> , 2016 , 94,	3.3	6
170	Light-Controlled Molecular Zippers Based on Azobenzene Main Chain Polymers. <i>Macromolecules</i> , 2015 , 48, 1531-1537	5.5	36
169	Surface-induced selection during in situ photoswitching at the solid/liquid interface. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4865-9	16.4	40
168	Surface-Induced Selection During In Situ Photoswitching at the Solid/Liquid Interface. <i>Angewandte Chemie</i> , 2015 , 127, 4947-4951	3.6	6
167	Tuning the formation of discrete coordination nanostructures. <i>Chemical Communications</i> , 2015 , 51, 12623-8	3.8	25
166	Conductance of a single flexible molecular wire composed of alternating donor and acceptor units. <i>Nature Communications</i> , 2015 , 6, 7397	17.4	75
165	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, 11276-9	5.8	34
164	Efficient light emission from inorganic and organic semiconductor hybrid structures by energy-level tuning. <i>Nature Communications</i> , 2015 , 6, 6754	17.4	77
163	Gating the photochromism of an azobenzene by strong host-guest interactions in a divalent pseudo[2]rotaxane. <i>Chemical Communications</i> , 2015 , 51, 9777-80	5.8	51
162	Zinc oxide modified with benzylphosphonic acids as transparent electrodes in regular and inverted organic solar cell structures. <i>Applied Physics Letters</i> , 2015 , 106, 113302	3.4	26
161	Optically switchable transistors comprising a hybrid photochromic molecule/n-type organic active layer. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4156-4161	7.1	47
160	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	3.9	24
159	Two-Photon-Induced versus One-Photon-Induced Isomerization Dynamics of a Bistable Azobenzene Derivative in Solution. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12281-8	3.4	22

158	Hybrid polaritons in a resonant inorganic/organic semiconductor microcavity. <i>Applied Physics Letters</i> , 2015 , 107, 181109	3.4	5
157	Aktivierung molekularer Schalter mit sichtbarem Licht. <i>Angewandte Chemie</i> , 2015 , 127, 11494-11506	3.6	94
156	Visible-Light-Activated Molecular Switches. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11338-46	4.4	483
155	Exploring the conformational space of bridge-substituted dithienylcyclopentenes. <i>Chemistry - A European Journal</i> , 2015 , 21, 14545-54	4.8	21
154	Discrete multiporphyrin pseudorotaxane assemblies from di- and tetravalent porphyrin building blocks. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 748-62	2.5	3
153	Energy-Level Engineering at ZnO/Oligophenylene Interfaces with Phosphonate-Based Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11900-7	9.5	30
152	Optically switchable transistors by simple incorporation of photochromic systems into small-molecule semiconducting matrices. <i>Nature Communications</i> , 2015 , 6, 6330	17.4	139
151	Electronic Activity Tuning of Acyclic Guanidines for Lactide Polymerization. <i>Macromolecules</i> , 2015 , 48, 8729-8732	5.5	10
150	Acylhydrazones as Widely Tunable Photoswitches. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14982-91	16.4	155
149	Adatoms underneath single porphyrin molecules on Au(111). <i>Journal of the American Chemical Society</i> , 2015 , 137, 1844-9	16.4	47
148	Improving the fatigue resistance of diarylethene switches. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2738-47	16.4	228
147	Photoreversible prodrugs and protags: switching the release of maleimides by using light under physiological conditions. <i>Chemistry - A European Journal</i> , 2015 , 21, 4422-7	4.8	31
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