Steffen Jockusch

List of Publications by Year
in descending order

276	14,111	20036	33145
papers	citations	63 h-index	104 g-index

297	297	297	16912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoinitiated Polymerization: Advances, Challenges, and Opportunities. Macromolecules, 2010, 43, 6245-6260.	2.2	1,111
2	Light-switching excimer probes for rapid protein monitoring in complex biological fluids. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17278-17283.	3.3	334
3	Ultra-stable organic fluorophores for single-molecule research. Chemical Society Reviews, 2014, 43, 1044-1056.	18.7	323
4	Pyrene Excimer Signaling Molecular Beacons for Probing Nucleic Acids. Journal of the American Chemical Society, 2008, 130, 336-342.	6.6	289
5	Synthesis and Properties of an Aggregating Heterocyclic Helicene. Journal of the American Chemical Society, 2001, 123, 11899-11907.	6.6	271
6	Charge Transfer Chemical Doping of Few Layer Graphenes: Charge Distribution and Band Gap Formation. Nano Letters, 2009, 9, 4133-4137.	4.5	263
7	A2E-epoxides Damage DNA in Retinal Pigment Epithelial Cells. Journal of Biological Chemistry, 2003, 278, 18207-18213.	1.6	245
8	Reversible Surface Oxidation and Efficient Luminescence Quenching in Semiconductor Single-Wall Carbon Nanotubes. Journal of the American Chemical Society, 2004, 126, 15269-15276.	6.6	227
9	Nucleotide Analogues as Inhibitors of SARS-CoV-2 Polymerase, a Key Drug Target for COVID-19. Journal of Proteome Research, 2020, 19, 4690-4697.	1.8	223
10	Formation of a Nonaoxirane from A2E, a Lipofuscin Fluorophore related to Macular Degeneration, and Evidence of Singlet Oxygen Involvement This work was supported by NIH grant GM 34509 (K.N.), NSF grant NSF-CHE-98-12676 (N.J.T. and S.J.), and NIH grant EY-12951 (J.R.S.).. Angewandte Chemie - International Edition, 2002, 41, 814.	7.2	192
11	2-Mercaptothioxanthone as a Novel Photoinitiator for Free Radical Polymerization. Macromolecules, 2003, 36, 2649-2653.	2.2	181
12	Energy Transfer from Quantum Dots to Graphene and MoS₂: The Role of Absorption and Screening in Two-Dimensional Materials. Nano Letters, 2016, 16, 2328-2333.	4.5	179
13	Fluorescent Hybridization Probes for Sensitive and Selective DNA and RNA Detection. Accounts of Chemical Research, 2007, 40, 402-409.	7.6	174
14	Controlling Photoreactions with Restricted Spaces and Weak Intermolecular Forces:Â Exquisite Selectivity during Oxidation of Olefins by Singlet Oxygen. Journal of the American Chemical Society, 2007, 129, 4132-4133.	6.6	166
15	Enantioselective Organoâ€Photocatalysis Mediated by Atropisomeric Thiourea Derivatives. Angewandte Chemie - International Edition, 2014, 53, 5604-5608.	7.2	159
16	Thioxanthoneâ^'Anthracene:Â A New Photoinitiator for Free Radical Polymerization in the Presence of Oxygen. Macromolecules, 2007, 40, 4138-4141.	2.2	153
17	Photochemistry and Photophysics of Î±-Hydroxy Ketones. Macromolecules, 2001, 34, 1619-1626.	2.2	147
18	Phosphinoyl Radicals:Â Structure and Reactivity. A Laser Flash Photolysis and Time-Resolved ESR Investigation. Journal of the American Chemical Society, 1998, 120, 11773-11777.	6.6	138

#	Article	IF	Citations
19	The Contribution of Reactive Oxygen Species to the Photobleaching of Organic Fluorophores. Photochemistry and Photobiology, 2014, 90, 448-454.	1.3	137
20	Mechanistic Study of Photoinitiated Free Radical Polymerization Using Thioxanthone Thioacetic Acid as One-Component Type II Photoinitiator. Macromolecules, 2005, 38, 4133-4138.	2.2	134
21	The all-trans -retinal dimer series of lipofuscin pigments in retinal pigment epithelial cells in a recessive Stargardt disease model. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19273-19278.	3.3	129
22	Probing the Reactivity of Photoinitiators for Free Radical Polymerization:Â Time-Resolved Infrared Spectroscopic Study of Benzoyl Radicals. Journal of the American Chemical Society, 2002, 124, 14952-14958.	6.6	128
23	2,4-Dithiothymine as a Potent UVA Chemotherapeutic Agent. Journal of the American Chemical Society, 2014, 136, 17930-17933.	6.6	126
24	Formation of Supramolecular Structures between DNA and Starburst Dendrimers Studied by EPR, CD, UV, and Melting Profiles. Macromolecules, 2000, 33, 7842-7851.	2.2	123
25	Electron Delocalization in Perylene Diimide Helicenes. Angewandte Chemie - International Edition, 2016, 55, 13519-13523.	7.2	123
26	Free radical promoted cationic polymerization by using bisacylphosphine oxide photoinitiators: substituent effect on the reactivity of phosphinoyl radicals. Polymer, 2003, 44, 7389-7396.	1.8	120
27	A Steady-State and Picosecond Pump-Probe Investigation of the Photophysics of an Acyl and a Bis(acyl)phosphine Oxide. Journal of the American Chemical Society, 1997, 119, 11495-11501.	6.6	115
28	Photoinitiated Metal-Free Controlled/Living Radical Polymerization Using Polynuclear Aromatic Hydrocarbons. Macromolecules, 2016, 49, 7785-7792.	2.2	113
29	Interactions between Hydrophobically Modified Polymers and Surfactants:Â A Fluorescence Study. Langmuir, 2002, 18, 3860-3864.	1.6	105
30	Aggregation of Methylene Blue Adsorbed on Starburst Dendrimers. Macromolecules, 1995, 28, 7416-7418.	2.2	102
31	Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. Nucleic Acids Research, 2006, 34, 3161-3168.	6.5	101
32	A library of nucleotide analogues terminate RNA synthesis catalyzed by polymerases of coronaviruses that cause SARS and COVID-19. Antiviral Research, 2020, 180, 104857.	1.9	100
33	Surfactant Interactions with Zein Protein. Langmuir, 2003, 19, 5083-5088.	1.6	99
34	Mechanism of Photoinduced Step Polymerization of Thiophene by Onium Salts:â€‰ Reactions of Phenyliodinium and Diphenylsulfinium Radical Cations with Thiophene. Macromolecules, 2007, 40, 4481-4485.	2.2	96
35	New Rhodamine Nitroxide Based Fluorescent Probes for Intracellular Hydroxyl Radical Identification in Living Cells. Organic Letters, 2012, 14, 50-53.	2.4	96
36	Increase in the photoreactivity of uracil derivatives by doubling thionation. Physical Chemistry Chemical Physics, 2015, 17, 27851-27861.	1.3	96

#	Article	IF	Citations
37	Three-Dimensional Graphene Nanostructures. Journal of the American Chemical Society, 2018, 140, 9341-9345.	6.6	93
38	Characterization of Starburst Dendrimers and Vesicle Solutions and Their Interactions by CW- and Pulsed-EPR, TEM, and Dynamic Light Scattering. Journal of Physical Chemistry B, 1998, 102, 6029-6039.	1.2	91
39	Triple Fluorescence Energy Transfer in Covalently Trichromophore-Labeled DNA. Journal of the American Chemical Society, 2001, 123, 12923-12924.	6.6	91
40	Blue Luminescence of Ripening Bananas. Angewandte Chemie - International Edition, 2008, 47, 8954-8957.	7.2	90
41	Quantitative Determination of Singlet Oxygen Generated by Excited State Aromatic Amino Acids, Proteins, and Immunoglobulins. Journal of the American Chemical Society, 2008, 130, 6912-6913.	6.6	89
42	DMSO Solvent Induced Photochemistry in Highly Photostable Compounds. The Role of Intermolecular Hydrogen Bonding. Journal of Physical Chemistry A, 1997, 101, 764-767.	1.1	87
43	Photoinduced Energy and Electron Transfer between Ketone Triplets and Organic Dyes. Journal of Physical Chemistry A, 1997, 101, 440-445.	1.1	86
44	Photochemical protease: Site-specific photocleavage of hen egg lysozyme and bovine serum albumin. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 10361-10366.	3.3	83
45	An EPR Study of the Interactions between Starburst Dendrimers and Polynucleotides. Macromolecules, 1999, 32, 2275-2282.	2.2	83
46	On the Mechanisms of Cyanine Fluorophore Photostabilization. Journal of Physical Chemistry Letters, 2012, 3, 2200-2203.	2.1	83
47	Tailoring Atropisomeric Maleimides for Stereospecific [2 + 2] Photocycloadditionâ€”Photochemical and Photophysical Investigations Leading to Visible-Light Photocatalysis. Journal of the American Chemical Society, 2014, 136, 8729-8737.	6.6	80
48	Photoacid Generation by Stepwise Two-Photon Absorption:â€‰ Photoinitiated Cationic Polymerization of Cyclohexene Oxide by Using Benzodioxinone in the Presence of Iodonium Salt. Macromolecules, 2008, 41, 295-297.	2.2	79
49	Fluorescent chlorophyll catabolites in bananas light up blue halos of cell death. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15538-15543.	3.3	79
50	Supramolecular photocatalysis: insights into cucurbit[8]uril catalyzed photodimerization of 6-methylcoumarin. Chemical Communications, 2011, 47, 6323.	2.2	75
51	The Spin Chemistry and Magnetic Resonance of H₂@C₆₀. From the Pauli Principle to Trapping a Long Lived Nuclear Excited Spin State inside a Buckyball. Accounts of Chemical Research, 2010, 43, 335-345.	7.6	74
52	Characterization of Starburst Dendrimers by EPR. 3. Aggregational Processes of a Positively Charged Nitroxide Surfactant. The Journal of Physical Chemistry, 1996, 100, 13675-13686.	2.9	73
53	Role of Environmental Factors on the Structure and Spectroscopic Response of 5â€²â€²DNAâ€“Porphyrin Conjugates Caused by Changes in the Porphyrinâ€“Porphyrin Interactions. Chemistry - A European Journal, 2009, 15, 11853-11866.	1.7	73
54	Transposing Molecular Fluorescent Switches into the Near-IR:Â Development of Luminogenic Reporter Substrates for Redox Metabolism. Journal of the American Chemical Society, 2007, 129, 7704-7705.	6.6	72

#	Article	IF	Citations
55	Mechanism of Photoinitiated Free Radical Polymerization by Thioxanthoneâ^'Anthracene in the Presence of Air. Macromolecules, 2011, 44, 2531-2535.	2.2	72
56	Comparison of Nitrogen Core and Ethylenediamine Core Starburst Dendrimers through Photochemical and Spectroscopic Probes. Macromolecules, 1999, 32, 4419-4423.	2.2	71
57	Reduction of Cu(II) by photochemically generated phosphonyl radicals to generate Cu(I) as catalyst for atom transfer radical polymerization and azide-alkyne cycloaddition click reactions. Polymer, 2014, 55, 3468-3474.	1.8	68
58	Molecular beacons with intrinsically fluorescent nucleotides. Nucleic Acids Research, 2006, 34, e50-e50.	6.5	66
59	Highly Stable and Sensitive Fluorescent Probes (LysoProbes) for Lysosomal Labeling and Tracking. Scientific Reports, 2015, 5, 8576.	1.6	66
60	Radical Addition Rate Constants to Acrylates and Oxygen:Â Î±-Hydroxy and Î±-Amino Radicals Produced by Photolysis of Photoinitiators. Journal of the American Chemical Society, 1999, 121, 3921-3925.	6.6	65
61	Photoinduced Electron Transfer Reactions of Highly Conjugated Thiophenes for Initiation of Cationic Polymerization and Conjugated Polymer Formation. Macromolecules, 2012, 45, 7829-7834.	2.2	65
62	Intra- to Intermolecular Singlet Fission. Journal of Physical Chemistry C, 2015, 119, 1312-1319.	1.5	65
63	Sofosbuvir terminated RNA is more resistant to SARS-CoV-2 proofreader than RNA terminated by Remdesivir. Scientific Reports, 2020, 10, 16577.	1.6	65
64	In vitro antiviral activity of the anti-HCV drugs daclatasvir and sofosbuvir against SARS-CoV-2, the aetiological agent of COVID-19. Journal of Antimicrobial Chemotherapy, 2021, 76, 1874-1885.	1.3	65
65	Interactions between Starburst Dendrimers and Mixed DMPC/DMPA-Na Vesicles Studied by the Spin Label and the Spin Probe Techniques, Supported by Transmission Electron Microscopy. Langmuir, 2002, 18, 2347-2357.	1.6	64
66	Thioxanthone-benzothiophenes as photoinitiator for free radical polymerization. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 22-28.	2.0	64
67	The active role of excited states of phenothiazines in photoinduced metal free atom transfer radical polymerization: singlet or triplet excited states?. Polymer Chemistry, 2016, 7, 6039-6043.	1.9	63
68	A TEM and EPR Investigation of the Competitive Binding of Uranyl Ions to Starburst Dendrimers and Liposomes:Â Potential Use of Dendrimers as Uranyl Ion Sponges. Langmuir, 2000, 16, 7368-7372.	1.6	62
69	Demonstration of a Chemical Transformation Inside a Fullerene. The Reversible Conversion of the Allotropes of H₂@C₆₀. Journal of the American Chemical Society, 2008, 130, 10506-10507.	6.6	62
70	Photo-induced inactivation of viruses: adsorption of methylene blue, thionine, and thiopyronine on Qbeta bacteriophage.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 7446-7451.	3.3	61
71	Interactions of Dendrimers with Selected Amino Acids and Proteins Studied by Continuous Wave EPR and Fourier Transform EPR. Langmuir, 2004, 20, 10238-10245.	1.6	61
72	Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie - International Edition, 2017, 56, 7056-7061.	7.2	61

#	Article	IF	Citations
73	The Reaction of Singlet Oxygen with Enecarbamates: A Mechanistic Playground for Investigating Chemoselectivity, Stereoselectivity, and Vibratioselectivity of Photooxidations. Accounts of Chemical Research, 2008, 41, 387-400.	7.6	60
74	Inorganicâ"Organic Hybrid Luminescent Binary Probe for DNA Detection Based on Spin-Forbidden Resonance Energy Transfer. Journal of the American Chemical Society, 2007, 129, 8680-8681.	6.6	59
75	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. Chemical Science, 2017, 8, 755-762.	3.7	58
76	Mechanistic Studies of Photoinitiated Free Radical Polymerization Using a Bifunctional Thioxanthone Acetic Acid Derivative as Photoinitiator. Macromolecules, 2009, 42, 7318-7323.	2.2	57
77	Compartmentalized Nanoreactors for One-Pot Redox-Driven Transformations. ACS Catalysis, 2019, 9, 2701-2706.	5.5	57
78	Preparation and application of new ruthenium(II) polypyridyl complexes as sensitizers for nanocrystalline TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 132, 91-98.	2.0	56
79	Fundamental Optical Properties of Linear and Cyclic Alkanes: VUV Absorbance and Index of Refraction. Journal of Physical Chemistry A, 2009, 113, 9337-9347.	1.1	56
80	Nucleotide analogues as inhibitors of SARSâ€CoV Polymerase. Pharmacology Research and Perspectives, 2020, 8, e00674.	1.1	56
81	A Bifunctional Photoaffinity Probe for Ligand/Receptor Interaction Studies. Journal of the American Chemical Society, 1998, 120, 8543-8544.	6.6	55
82	Interactions of Hydrophobically Modified Polyelectrolytes with Surfactants of the Same Charge. Langmuir, 2003, 19, 10747-10752.	1.6	55
83	Chiral protein scissors: High enantiomeric selectivity for binding and its effect on protein photocleavage efficiency and specificity. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5810-5815.	3.3	54
84	Photochromism of 2H-Naphtho[1,2-b]pyrans:â€‰ A Spectroscopic Investigation. Journal of Physical Chemistry A, 2002, 106, 9236-9241.	1.1	54
85	Temperature and Solvent Control of the Stereoselectivity in the Reactions of Singlet Oxygen with Oxazolidinone-Substituted Enecarbamates. Journal of the American Chemical Society, 2004, 126, 10498-10499.	6.6	54
86	Enantioselective Organoâ€Photocatalysis Mediated by Atropisomeric Thiourea Derivatives. Angewandte Chemie, 2014, 126, 5710-5714.	1.6	54
87	Photocleavage of a 2-nitrobenzyl linker bridging a fluorophore to the 5' end of DNA. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 409-413.	3.3	53
88	An EPR and NMR Study of Supramolecular Effects on Paramagnetic Interaction between a Nitroxide Incarcerated within a Nanocapsule with a Nitroxide in Bulk Aqueous Media. Journal of the American Chemical Society, 2008, 130, 7206-7207.	6.6	53
89	Aggregational process of the positively charged surfactants CTAC and CAT16 in the presence of starburst dendrimers: an electron paramagnetic resonance spectroscopic study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 115, 9-21.	2.3	52
90	Fluorescence-Detected Exciton-Coupled Circular Dichroism:Â Scope and Limitation in Structural Studies of Organic Molecules. Journal of the American Chemical Society, 1999, 121, 8681-8691.	6.6	50

#	Article	IF	Citations
91	Stereocontrol within Confined Spaces:Â Enantioselective Photooxidation of Enecarbamates Inside Zeolite Supercages. Journal of the American Chemical Society, 2004, 126, 10816-10817.	6.6	49
92	Phosphorylation State-Responsive Lanthanide Peptide Conjugates: A Luminescence Switch Based on Reversible Complex Reorganization. Organic Letters, 2006, 8, 2723-2726.	2.4	48
93	Benzoin type photoinitiator for free radical polymerization. Journal of Polymer Science Part A, 2013, 51, 1865-1871.	2.5	48
94	Singlet molecular oxygen by direct excitation. Photochemical and Photobiological Sciences, 2008, 7, 235-239.	1.6	47
95	Self Aggregation of Supramolecules of Nitroxides@Cucurbit[8]uril Revealed by EPR Spectra. Langmuir, 2009, 25, 13820-13832.	1.6	47
96	Evaluating Thiourea Architecture for Intramolecular [2+2]â€‰Photocycloaddition of 4â€Alkenylcoumarins. Advanced Synthesis and Catalysis, 2014, 356, 2763-2768.	2.1	47
97	Transposed PaternÃ²â€“BÃ¼chi Reaction. Journal of the American Chemical Society, 2017, 139, 655-662.	6.6	47
98	Guest Rotations within a Capsuleplex Probed by NMR and EPR Techniques. Langmuir, 2010, 26, 6943-6953.	1.6	46
99	Intra-molecular triplet energy transfer is a general approach to improve organic fluorophore photostability. Photochemical and Photobiological Sciences, 2016, 15, 196-203.	1.6	45
100	Spectroscopic Probe of the Surface of Iron Oxide Nanocrystals. Nano Letters, 2002, 2, 325-328.	4.5	44
101	Dynamics of capsuleplex formed between octaacid and organic guest moleculesÂâ€” Photophysical techniques reveal the opening and closing of capsuleplex. Canadian Journal of Chemistry, 2011, 89, 203-213.	0.6	43
102	Excited-State Dynamics of the Thiopurine Prodrug 6-Thioguanine: Can N9-Glycosylation Affect Its Phototoxic Activity?. Molecules, 2017, 22, 379.	1.7	43
103	Mechanisms involved in A2E oxidation. Experimental Eye Research, 2008, 86, 975-982.	1.2	42
104	Photoinduced surface crosslinking of superabsorbent polymer particles. Journal of Applied Polymer Science, 2009, 111, 2163-2170.	1.3	42
105	Molecular Engineering of Chromophores to Enable Tripletâ€“Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2020, 142, 19917-19925.	6.6	42
106	Interactions of a Hydrophobically Modified Polymer with Oppositely Charged Surfactants. Langmuir, 2007, 23, 5906-5913.	1.6	41
107	Supramolecular Photochemistry in Solution and on Surfaces: Encapsulation and Dynamics of Guest Molecules and Communication between Encapsulated and Free Molecules. Langmuir, 2015, 31, 5554-5570.	1.6	41
108	Combination of antiviral drugs inhibits SARS-CoV-2 polymerase and exonuclease and demonstrates COVID-19 therapeutic potential in viral cell culture. Communications Biology, 2022, 5, 154.	2.0	40

#	Article	IF	Citations
109	Photochemical Protein Scissors: Role of Aromatic Residues on the Binding Affinity and Photocleavage Efficiency of Pyrenyl Peptides. Tetrahedron, 2000, 56, 7019-7025.	1.0	39
110	EPR Investigation of the Adsorption of Dendrimers on Porous Surfaces. Journal of Physical Chemistry B, 2003, 107, 2046-2053.	1.2	39
111	Mechanisms by which Alkynes React with CpCr(CO)₃H. Application to Radical Cyclization. Journal of the American Chemical Society, 2012, 134, 15512-15518.	6.6	39
112	Photoinduced electron transfer between a donor and an acceptor separated by a capsular wall. Chemical Communications, 2012, 48, 2710.	2.2	39
113	Direct measurement of the singlet oxygen lifetime in zeolites by near-IR phosphorescence. Photochemical and Photobiological Sciences, 2005, 4, 403.	1.6	37
114	NIR luminescence of gadolinium porphyrin complexes. Chemical Physics Letters, 2007, 435, 45-49.	1.2	37
115	2-Mercaptothioxanthone as Sensitizer and Coinitiator for Acylphosphine Oxide Photoinitiators for Free Radical Polymerization. Macromolecules, 2008, 41, 4631-4634.	2.2	37
116	Electron Spin Polarization by Intramolecular Triplet Quenching of a Nitroxyl Radical Labeled Thioxanthonedioxide. Journal of Physical Chemistry B, 1999, 103, 9126-9129.	1.2	36
117	Spectroscopic investigation of a FRET molecular beacon containing two fluorophores for probing DNA/RNA sequences. Photochemical and Photobiological Sciences, 2006, 5, 493.	1.6	36
118	Aggregates of Cucurbituril Complexes in the Gas Phase. Organic Letters, 2011, 13, 2410-2413.	2.4	36
119	Unintended Consequences of Expanding the Genetic Alphabet. Journal of the American Chemical Society, 2016, 138, 11457-11460.	6.6	36
120	Photocrosslinking of silicones. VI. Photocrosslinking kinetics of silicone acrylates and methacrylates. Journal of Polymer Science Part A, 1992, 30, 2755-2764.	2.5	35
121	The Triplet State of 6â€thioâ€2â€²â€deoxyguanosine: Intrinsic Properties and Reactivity Toward Molecular Oxygen. Photochemistry and Photobiology, 2016, 92, 286-292.	1.3	35
122	Tuning the Baird aromatic triplet-state energy of cyclooctatetraene to maximize the self-healing mechanism in organic fluorophores. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24305-24315.	3.3	35
123	Can H₂ Inside C₆₀ Communicate with the Outside World?. Journal of the American Chemical Society, 2007, 129, 14554-14555.	6.6	34
124	Design and characterization of two-dye and three-dye binary fluorescent probes for mRNA detection. Tetrahedron, 2007, 63, 3591-3600.	1.0	34
125	Closed Nanocontainer Enables Thioketones to Phosphoresce at Room Temperature in Aqueous Solution. Journal of Physical Chemistry B, 2010, 114, 14320-14328.	1.2	34
126	A New Strategy to Photoactivate Green Fluorescent Protein. Angewandte Chemie - International Edition, 2010, 49, 7677-7679.	7.2	33

#	Article	IF	Citations
127	Electron Spin Polarization Transfer from a Nitroxide Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. Journal of Physical Chemistry Letters, 2010, 1, 2628-2632.	2.1	33
128	Interaction between Encapsulated Excited Organic Molecules and Free Nitroxides: Communication Across a Molecular Wall. Langmuir, 2011, 27, 10548-10555.	1.6	33
129	Evaluating brominated thioxanthones as organoâ€photocatalysts. Journal of Physical Organic Chemistry, 2017, 30, e3738.	0.9	33
130	Magnetic and spin effects in the photoinitiation of polymerization. Designed Monomers and Polymers, 2003, 6, 91-101.	0.7	32
131	Superoxidation of Bisretinoids. Angewandte Chemie - International Edition, 2005, 44, 7097-7100.	7.2	32
132	Mechanism for Oxygen-Enhanced Photoconductivity in Rubrene: Electron Transfer Dopingâ–½This publication involves research sponsored by the U.S. Department of Energy under grant no. DE FG02-04ER 46118 and Columbia University.. Chemistry of Materials, 2009, 21, 5519-5526.	3.2	32
133	A Magnetic Switch for Spin-Catalyzed Interconversion of Nuclear Spin Isomers. Journal of the American Chemical Society, 2010, 132, 4042-4043.	6.6	32
134	Electron Delocalization in Perylene Diimide Helicenes. Angewandte Chemie, 2016, 128, 13717-13721.	1.6	32
135	Quinizarin Derivatives as Photoinitiators for Free-Radical and Cationic Photopolymerizations in the Visible Spectral Range. Macromolecules, 2020, 53, 1129-1141.	2.2	32
136	Tetraarylporphyrin as a Selective Molecular Cap for Non-Watsonâ€“Crick Guanineâ€“Adenine Base-Pair Sequences. Angewandte Chemie - International Edition, 2006, 45, 3530-3533.	7.2	31
137	EPR Investigation of Persistent Radicals Produced from the Photolysis of Dibenzyl Ketones Adsorbed on ZSM-5 Zeolites. Journal of Organic Chemistry, 2002, 67, 2606-2618.	1.7	30
138	The Hydrogenobyric Acid Structure Reveals the Corrin Ligand as an Entatic State Module Empowering B₁₂ Cofactors for Catalysis. Angewandte Chemie - International Edition, 2019, 58, 10756-10760.	7.2	30
139	Photophysical aspects of 6-methylcoumarinâ€“cucurbit[8]uril hostâ€“guest complexes. Canadian Journal of Chemistry, 2011, 89, 310-316.	0.6	29
140	Heavy-Cation-Induced Phosphorescence of Alkanones and Azoalkanes in Zeolites As Hosts:Â Induced S1(nÏ€*) to T1(nÏ€*) Intersystem Crossing and S0to T1(nÏ€*) Absorption. Journal of the American Chemical Society, 2000, 122, 11025-11026.	6.6	28
141	Stereoselective Photooxidation of Enecarbamates:â€‰ Reactivity of Ozone vs Singlet Oxygen. Organic Letters, 2005, 7, 2089-2092.	2.4	28
142	A Spectroscopic Study of Diphenylmethyl Radicals and Diphenylmethyl Carbocations Stabilized by Zeolites. Journal of Physical Chemistry B, 2000, 104, 1212-1216.	1.2	27
143	Oxygen pressure measurement using singlet oxygen emission. Review of Scientific Instruments, 2005, 76, 054101.	0.6	27
144	EPR characterization of gadolinium(III)-containing-PAMAM-dendrimers in the absence and in the presence of paramagnetic probes. Journal of Colloid and Interface Science, 2008, 322, 457-464.	5.0	27

#	Article	IF	Citations
145	Toward the Design of a Sequential Two Photon Photoacid Generator for Double Exposure Photolithography. Chemistry of Materials, 2008, 20, 7374-7376.	3.2	27
146	Dithionated Nucleobases as Effective Photodynamic Agents against Human Epidermoid Carcinoma Cells. ChemMedChem, 2018, 13, 1044-1050.	1.6	27
147	EPR Analysis and DFT Computations of a Series of Polynitroxides. Journal of Physical Chemistry A, 2012, 116, 174-184.	1.1	26
148	Organophotocatalysis: Insights into the Mechanistic Aspects of Thioureaâ€Mediated Intermolecular [2+2]â€...Photocycloadditions. Angewandte Chemie - International Edition, 2016, 55, 5446-5451.	7.2	26
149	Conformational Changes of Pyrene-Labeled Polyelectrolytes with pH:Â Effect of Hydrophobic Modifications. Journal of Physical Chemistry B, 2005, 109, 20714-20718.	1.2	25
150	Zinc Substitution of Cobalt in Vitaminâ€...B12: Zincobyric acid and Zincobalamin as Luminescent Structural B12â€Mimics. Angewandte Chemie - International Edition, 2019, 58, 14568-14572.	7.2	25
151	In situ EPR investigation of the addition of persistent benzyl radicals to acrylates on ZSM-5 zeolites. Direct spectroscopic detection of the initial steps in a supramolecular photopolymerizationThis paper is dedicated to Professor Fred Lewis on the event of his 60th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 1095.	1.6	24
152	Chemically Induced Dynamic Electron Polarization Generated through the Interaction between Singlet Molecular Oxygen and Nitroxide Radicals. Journal of Physical Chemistry A, 2005, 109, 10216-10221.	1.1	24
153	Combinatorial fluorescence energy transfer molecular beacons for probing nucleic acid sequences. Photochemical and Photobiological Sciences, 2006, 5, 896.	1.6	24
154	Intermolecular Energy Transfer from Tb³⁺ to Eu³⁺ in Aqueous Aggregates and on the Surface of Human Cells. Organic Letters, 2011, 13, 2802-2805.	2.4	24
155	Chlorophyllâ€Derived Yellow Phyllobilins of Higher Plants as Mediumâ€Responsive Chiral Photoswitches. Angewandte Chemie - International Edition, 2016, 55, 15760-15765.	7.2	24
156	Stereochemical Features of the Physical and Chemical Interactions of Singlet Oxygen with Enecarbamates. Organic Letters, 2003, 5, 4951-4953.	2.4	23
157	Interactions of cationic dendrimers with hematite mineral. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 238, 123-126.	2.3	23
158	Chlorophyll derivatives as visual pigments for super vision in the red. Photochemical and Photobiological Sciences, 2007, 6, 775.	1.6	23
159	Probing the photoreactivity of aryl chlorides with oxygen. Photochemical and Photobiological Sciences, 2009, 8, 210-216.	1.6	23
160	Photoactivated Production of Secondary Organic Species from Isoprene in Aqueous Systems. Journal of Physical Chemistry A, 2016, 120, 9042-9048.	1.1	23
161	Fluorescence sensing of microplastics on surfaces. Environmental Chemistry Letters, 2021, 19, 1797-1802.	8.3	23
162	Ruthenium(ii)â€“tris-bipyridine/titanium dioxide codoped zeolite Y photocatalysts: II. Photocatalyzed degradation of the model pollutant 2,4-xylidine, evidence for percolation behavior. Photochemical and Photobiological Sciences, 2003, 2, 477-486.	1.6	22

#	Article	IF	Citations
163	CIDEP from a Polarized Ketone Triplet State Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. Journal of Physical Chemistry Letters, 2011, 2, 2877-2880.	2.1	22
164	Photochemical studies of a fluorescent chlorophyll catabolite â€“ source of bright blue fluorescence in plant tissue and efficient sensitizer of singlet oxygen. Photochemical and Photobiological Sciences, 2014, 13, 407-411.	1.6	22
165	A Naphtho-p-quinodimethane Exhibiting Bairdâ€™s (Anti)Aromaticity, Broken Symmetry, and Attractive Photoluminescence. Journal of Organic Chemistry, 2017, 82, 10167-10173.	1.7	22
166	Realizing the Photoene Reaction with Alkenes under Visible Light Irradiation and Bypassing the Favored [2 + 2]-Photocycloaddition. Journal of the American Chemical Society, 2018, 140, 13185-13189.	6.6	22
167	Iron imaging in myocardial infarction reperfusion injury. Nature Communications, 2020, 11, 3273.	5.8	22
168	Dynamics of excited state electron transfer at a liquid interface using time-resolved sum frequency generation. Chemical Physics Letters, 2012, 544, 1-6.	1.2	21
169	Synthetic versus Natural Receptors: Supramolecular Control of Chemical Sensing in Fish. ACS Chemical Biology, 2014, 9, 1432-1436.	1.6	21
170	Synthesis of Polynitroxides Based on Nucleophilic Aromatic Substitution. Organic Letters, 2010, 12, 3696-3699.	2.4	20
171	Dictating Photoreactivity through Restricted Bond Rotations: Cross-Photoaddition of Atropisomeric Acrylimide Derivatives under UV/Visible-Light Irradiation. Journal of Physical Chemistry A, 2014, 118, 10596-10602.	1.1	20
172	Alkali Ion-Controlled Excited-State Ordering of Acetophenones Included in Zeolites:Â Emission, Solid-State NMR, and Computational Studiesâ€. Journal of Physical Chemistry A, 2003, 107, 3187-3198.	1.1	19
173	Investigation of the mobility of amphiphilic polymerâ€”AOT reverse microemulsion systems using electron spin resonance. Journal of Colloid and Interface Science, 2005, 285, 318-325.	5.0	19
174	A Photochemical Onâ€“Off Switch for Tuning the Equilibrium Mixture of H₂ Nuclear Spin Isomers as a Function of Temperature. Journal of the American Chemical Society, 2011, 133, 14232-14235.	6.6	19
175	Observations of Interfacial Population and Organization of Surfactants with Sum Frequency Generation and Surface Tension. Journal of Physical Chemistry C, 2011, 115, 12064-12067.	1.5	19
176	Enantiospecific photochemical 6Ï€-ring closure of Î±-substituted atropisomeric acrylanilidesâ€“role of alkali metal ions. Photochemical and Photobiological Sciences, 2014, 13, 141-144.	1.6	19
177	Aryloxy Radicals from Diaryloxydiazirines:â€‰Î±-Cleavage of Diaryloxycarbenes or Excited Diazirines?. Organic Letters, 2003, 5, 5027-5030.	2.4	18
178	Control of Chirality by Cations in Confined Spaces: Photooxidation of Enecarbamates Inside Zeolite Supercagesâ€. Photochemistry and Photobiology, 2006, 82, 123.	1.3	18
179	Capsular Complexes of Nonpolar Guests with Octa Amine Host Detected in the Gas Phase. Organic Letters, 2012, 14, 560-563.	2.4	18
180	Thioxanthone Hydroquinone-O,Oâ€²-diacetic Acid: Photoinitiator or Photostabilizer?. Journal of Organic Chemistry, 2013, 78, 9161-9165.	1.7	18

#	Article	IF	Citations
181	Supramolecular Effects on the Dynamics of Radicals in MFI Zeolites:Â A Direct EPR Investigationâ€. Journal of Organic Chemistry, 2002, 67, 5779-5782.	1.7	17
182	Synthesis, Structure, and Optical Properties of the Platinum(II) Complexes of Indaphyrin and Thiaindaphyrin. Inorganic Chemistry, 2009, 48, 4067-4074.	1.9	17
183	Polyphenol and volatile profiles of pomegranate (Punica granatum L.) fruit extracts and liquors. International Journal of Food Science and Technology, 2013, 48, 693-700.	1.3	17
184	Phototransformation of benzimidazole and thiabendazole inside cucurbit[8]uril. Photochemical and Photobiological Sciences, 2014, 13, 310-315.	1.6	17
185	Experimental Mixture Design as a Tool for the Synthesis of Antimicrobial Selective Molecularly Imprinted Monodisperse Microbeads. ACS Applied Materials & Interfaces, 2015, 7, 10966-10976.	4.0	17
186	Oxidizable Ketones: Persistent Radical Cations from the Singleâ€Electron Oxidation of 2,3â€Diaminocyclopropenones.. Angewandte Chemie - International Edition, 2019, 58, 8049-8052.	7.2	17
187	Detection of the thietane precursor in the UVA formation of the DNA 6-4 photoadduct. Nature Communications, 2020, 11, 3599.	5.8	17
188	Uncovering New Excited State Photochemical Reactivity by Altering the Course of the De Mayo Reaction. Journal of the American Chemical Society, 2021, 143, 3677-3681.	6.6	17
189	Amplification of the index of refraction of aqueous immersion fluids by ionic surfactants. , 2005, , .		16
190	Two-Photon Excitation of Fluorogenic Probes for Redox Metabolism:â€‰ Dramatic Enhancement of Optical Contrast Ratio by Two-Photon Excitationâ€. Journal of Physical Chemistry C, 2007, 111, 8872-8877.	1.5	16
191	A Mechanistic Design Principle for Protein Tyrosine Kinase Sensors:â€‰ Application to a Validated Cancer Target. Organic Letters, 2008, 10, 301-304.	2.4	16
192	Polystyrene/clay nanocomposites by atom transfer radical nitroxide coupling chemistry. Journal of Polymer Science Part A, 2013, 51, 1024-1028.	2.5	16
193	Photoreactions with a Twist: Atropisomerismâ€Driven Divergent Reactivity of Enones with UV and Visible Light. Chemistry - A European Journal, 2016, 22, 11339-11348.	1.7	16
194	Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie, 2017, 129, 7162-7167.	1.6	16
195	Conformationally controlled (entropy effects), stereoselective vibrational quenching of singlet oxygen in the oxidative cleavage of oxazolidinone-functionalized enecarbamates through solvent and temperature variations. Tetrahedron, 2006, 62, 6707-6717.	1.0	15
196	Suppression of spinâ€“spin coupling in nitroxyl biradicals by supramolecular hostâ€“guest interactions. Chemical Communications, 2010, 46, 7736.	2.2	15
197	Kinetic Solvent Effects on Hydrogen Abstraction from Phenol by the Cumyloxyl Radical. Toward an Understanding of the Role of Protic Solvents. Journal of Organic Chemistry, 2012, 77, 1267-1272.	1.7	15
198	Structureâ€“Kinetics Correlations in Isostructural Crystals of Î±-(ortho-Tolyl)-acetophenones: Pinning Down Electronic Effects Using Laser-Flash Photolysis in the Solid State. Journal of the American Chemical Society, 2016, 138, 2644-2648.	6.6	15

#	Article	IF	Citations
199	Evaluating thiourea/urea catalyst for enantioselective 6Ï€-photocyclization of acrylanilides. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 84-88.	2.0	15
200	Two-Photon Induced Uncaging of a Reactive Intermediate. Multiphoton In Situ Detection of a Potentially Valuable Label for Biological Applications. Journal of Organic Chemistry, 2005, 70, 2143-2147.	1.7	14
201	A comparative mechanistic analysis of the stereoselectivity trends observed in the oxidation of chiral oxazolidinone-functionalized enecarbamates by singlet oxygen, ozone, and triazolinedione. Tetrahedron, 2006, 62, 10647-10659.	1.0	14
202	Energy Transfer Catalysis by Visible Light: Atropâ€•and Regioâ€Selective Intermolecular [2+2]â€Photocycloaddition of Maleimide with Alkenes. European Journal of Organic Chemistry, 2020, 2020, 1478-1481.	1.2	14
203	An EPR and Fluorescence Depolarization Study of Intermolecular Interactions of Dendrimers at Medium and Highly Concentrated Aqueous Solutions. Journal of Colloid and Interface Science, 2002, 256, 223-227.	5.0	13
204	Photoisomerization of 2,3-diphenylcyclopropane-1-carboxylic acid derivativesThis paper is dedicated to Professor Fred Lewis on the event of his 60th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 1101.	1.6	13
205	Photochemistry of 4-Chlorophenol and 4-Chloroanisole Adsorbed on MFI Zeolites: Supramolecular Control of Chemoselectivity and Reactive Intermediate Dynamics. Organic Letters, 2010, 12, 3062-3065.	2.4	13
206	Photochemistry of A1E, a Retinoid with a Conjugated Pyridinium Moiety:Â Competition between Pericyclic Photooxygenation and Pericyclization. Journal of the American Chemical Society, 2004, 126, 4646-4652.	6.6	12
207	157 nm Pellicles (Thin Films) for Photolithography:Â Mechanistic Investigation of the VUV and UV-C Photolysis of Fluorocarbons. Journal of the American Chemical Society, 2005, 127, 8320-8327.	6.6	12
208	CdSe/ZnS core shell quantum dot-based FRET binary oligonucleotide probes for detection of nucleic acids. Photochemical and Photobiological Sciences, 2012, 11, 881-884.	1.6	12
209	DNA Scaffolded Silver Clusters: A Critical Study. Molecules, 2016, 21, 216.	1.7	12
210	Photochemical Reactivity of dTPT3: A Crucial Nucleobase Derivative in the Development of Semisynthetic Organisms. Journal of Physical Chemistry Letters, 2017, 8, 2387-2392.	2.1	12
211	Mussel-Inspired Coatings by Photoinduced Electron-Transfer Reactions: Photopolymerization of Dopamine under UV, Visible, and Daylight under Oxygen-Free Conditions. Macromolecules, 2021, 54, 5991-5999.	2.2	12
212	Design and Synthesis of a Photoaromatization-Based Two-Stage Photobase Generator for Pitch Division Lithography. Journal of Organic Chemistry, 2013, 78, 1730-1734.	1.7	11
213	Indole-TEMPO conjugates alleviate ischemia-reperfusion injury via attenuation of oxidative stress and preservation of mitochondrial function. Bioorganic and Medicinal Chemistry, 2017, 25, 2545-2568.	1.4	11
214	Photoinduced synthesis of antibacterial hydrogel from aqueous photoinitiating system. European Polymer Journal, 2020, 138, 109936.	2.6	11
215	Interaction between Molecular Oxygen and Nitroxide Radicals: A Search for a Reversible Complex. Helvetica Chimica Acta, 2006, 89, 2441-2449.	1.0	10
216	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. Physical Review A, 2008, 77, .	1.0	10

#	Article	IF	Citations
217	Nonradiative Deactivation of Singlet Oxygen (¹O₂) by Cubane and Its Derivatives. Organic Letters, 2008, 10, 5509-5512.	2.4	9
218	Novel Dual-Organelle-Targeting Probe (RCPP) for Simultaneous Measurement of Organellar Acidity and Alkalinity in Living Cells. ACS Omega, 2021, 6, 31447-31456.	1.6	9
219	Time Resolved CW-EPR Spectroscopy of Powdered Samples:Â Electron Spin Polarization of a Nitroxyl Radical Adsorbed on NaY Zeolite, Generated by the Quenching of Excited Triplet Ketones. Journal of Physical Chemistry B, 2001, 105, 7477-7481.	1.2	8
220	Immunochemical recognition of A2E, a pigment in the lipofuscin of retinal pigment epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14610-14615.	3.3	8
221	Study of a Two-Stage Photobase Generator for Photolithography in Microelectronics. Journal of Organic Chemistry, 2013, 78, 1735-1741.	1.7	8
222	Quantitative analysis of biogenic polyamines in distilled drinks by direct electrospray ionization tandem mass spectrometry using a nanocontainer. Rapid Communications in Mass Spectrometry, 2016, 30, 1963-1968.	0.7	8
223	Engaging electronic effects for atropselective [5+2]-photocycloaddition of maleimides. Chemical Communications, 2016, 52, 8305-8308.	2.2	8
224	A photo-auxiliary approach â€“ enabling excited state classical phototransformations with metal free visible light irradiation. Chemical Communications, 2017, 53, 1692-1695.	2.2	8
225	Die HydrogenobyrsÃureâ€Struktur enthÃ¼llt den Corrinâ€Liganden als entatisches Zustandsmodul zur Steigerung der KatalyseaktivitÄt von B₁₂â€Cofaktoren. Angewandte Chemie, 2019, 131, 10869-10873.	1.6	8
226	Control of spinâ€“spin exchange interactions in polynitroxides through inclusion within Î³-cyclodextrin. RSC Advances, 2013, 3, 427-431.	1.7	7
227	Dietary Chlorophyll Metabolites Catalyze the Photoreduction of Plasma Ubiquinone. Photochemistry and Photobiology, 2013, 89, 310-313.	1.3	7
228	DNA sequencing by synthesis using 3â€²-O-azidomethyl nucleotide reversible terminators and surface-enhanced Raman spectroscopic detection. RSC Advances, 2014, 4, 49342-49346.	1.7	7
229	Photostabilization of endogenous porphyrins: excited state quenching by fused ring cyanoacrylates. Photochemical and Photobiological Sciences, 2014, 13, 1180-1184.	1.6	7
230	Organophotocatalysis: Insights into the Mechanistic Aspects of Thioureaâ€Mediated Intermolecular [2+2]â€...Photocycloadditions. Angewandte Chemie, 2016, 128, 5536-5541.	1.6	7
231	The red chlorophyll catabolite (RCC) is an inefficient sensitizer of singlet oxygen â€“ photochemical studies of the methyl ester of RCC. Photochemical and Photobiological Sciences, 2020, 19, 668-673.	1.6	7
232	In silico prediction of annihilators for tripletâ€“triplet annihilation upconversion via auxiliary-field quantum Monte Carlo. Chemical Science, 2021, 12, 1068-1079.	3.7	7
233	Stereoselective E/Z photoisomerization of oxazolidinone functionalized enecarbamates: direct and triplet sensitized irradiation. Chemical Communications, 2005, , 3424.	2.2	6
234	Oximetry of Oxygen Supersaturated Solutions Using Nitroxides as EPR Probe. Journal of Physical Chemistry B, 2006, 110, 7574-7578.	1.2	6

#	Article	IF	Citations
235	Controlled diastereoselectivity at the alkene-geometry through selective encapsulation: E-Zphotoisomerization of oxazolidinone-functionalized enecarbamates within hydrophobic nano-cavities. Chemical Communications, 2007, , 819-821.	2.2	6
236	157-nm pellicles for photolithography: mechanistic investigation of the deep-UV photolysis of fluorocarbons. , 2004, 5377, 1598.		5
237	Decoding Stereocontrol During the Photooxygenation of Oxazolidinone-Functionalized Enecarbamates. Organic Letters, 2010, 12, 2142-2145.	2.4	5
238	Photoacidity of vanillin derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 38-41.	2.0	5
239	Identification of Fluorescent Small Molecule Compounds for Synaptic Labeling by Image-Based, High-Content Screening. ACS Chemical Neuroscience, 2018, 9, 673-683.	1.7	5
240	Adiabatic ring opening in tethered naphthalene and anthracene cycloadducts. Photochemical and Photobiological Sciences, 2010, 9, 1082.	1.6	4
241	Photochemistry of 2-diphenylmethoxyacetophenone. Direct detection of a long-lived enol from a Norrish Type II photoreaction. Photochemical and Photobiological Sciences, 2011, 10, 1450.	1.6	4
242	Von Chlorophyll abstammende gelbe Phyllobiline hÃ¶herer Pflanzen als umgebungsgesteuerte, chirale Photoschalter. Angewandte Chemie, 2016, 128, 15992-15997.	1.6	4
243	Zinc Substitution of Cobalt in Vitaminâ€…B12: Zincobyric acid and Zincobalamin as Luminescent Structural B12â€Mimics. Angewandte Chemie, 2019, 131, 14710-14714.	1.6	4
244	Quinoline-annulated porphyrin platinum complexes as NIR emitters. Journal of Porphyrins and Phthalocyanines, 2020, 24, 386-393.	0.4	4
245	Quinoidization of Ï€â€Expanded Aromatic Diimides: Photophysics, Aromaticity, and Stability of the Novel Quinoidal Acenes. European Journal of Organic Chemistry, 2020, 2020, 917-922.	1.2	4
246	Structure of wood extract colloids and effect of CaCl2 on the molecular mobility. Nordic Pulp and Paper Research Journal, 2012, 27, 639-646.	0.3	4
247	Vibrational deactivation of singlet oxygen: does it play a role in stereoselectivity during photooxygenation?. Photochemical and Photobiological Sciences, 2008, 7, 531.	1.6	3
248	Physical and chemical quenching rates and their influence on stereoselective photooxygenation of oxazolidinone-functionalized enecarbamates. Photochemical and Photobiological Sciences, 2009, 8, 912-915.	1.6	3
249	Photolysis of endoperoxides in the presence of nitroxides: a laser flash photolysis study with optical and ESR detection. Photochemical and Photobiological Sciences, 2014, 13, 205-210.	1.6	3
250	Conjugate addition from the excited state. Chemical Communications, 2018, 54, 11021-11024.	2.2	3
251	Photochemical conversion of a cytidine derivative to a thymidine analogvia[2+2]-cycloaddition. Photochemical and Photobiological Sciences, 2018, 17, 1049-1055.	1.6	3
252	Intramolecular Charge Transfer in the Azathioprine Prodrug Quenches Intersystem Crossing to the Reactive Triplet State in 6â€Mercaptopurine^{â€}. Photochemistry and Photobiology, 2022, 98, 617-632.	1.3	3

#	Article	IF	Citations
253	Thioxanthone Photoinitiators with Heterocyclic Extended Chromophores. RSC Polymer Chemistry Series, 2018, , 1-13.	0.1	3
254	2-Oxopurine Riboside: A Dual Fluorescent Analog and Photosensitizer for RNA/DNA Research. Journal of Physical Chemistry B, 2022, 126, 4483-4490.	1.2	3
255	Steady-State and Time-Resolved Studies of the Photocleavage of Lysozyme by Co(III) Complexes. Langmuir, 2010, 26, 1966-1972.	1.6	2
256	Contorted Octabenzocircumbiphenyl Sorts Semiconducting Single-Walled Carbon Nanotubes with Structural Specificity. Chemistry of Materials, 2017, 29, 595-604.	3.2	2
257	Oxidizable Ketones: Persistent Radical Cations from the Singleâ€Electron Oxidation of 2,3â€Diaminocyclopropenones.. Angewandte Chemie, 2019, 131, 8133-8136.	1.6	2
258	Synthesis, Characterization, and Catalytic Activity of Bimetallic Ti/Cr Complexes. Organometallics, 2020, 39, 4592-4598.	1.1	2
259	Two-photon Excitation Induced Fluorescence of a Trifluorophore-labeled DNAÂ¶. Photochemistry and Photobiology, 2005, 81, 238.	1.3	2
260	Isolation and syn Elimination of a Peterson Adduct to Obtain Optically Pure Product in the Diastereoselective Synthesis of Oxazolidinone- Functionalized Enecarbamates. Letters in Organic Chemistry, 2009, 6, 362-366.	0.2	1
261	Fundamental study of optical threshold layer approach towards double exposure lithography. , 2009, , .		1
262	Click chemistry based biomolecular conjugation monitoring using surface-enhanced Raman spectroscopy mapping. , 2016, , .		1
263	Cardioprotection Effects of LPTC-5 Involve Mitochondrial Protection and Dynamics. ACS Omega, 2019, 4, 9868-9877.	1.6	1
264	Phenacyl Bromide as a Single Component Photoinitiator: Photoinduced Stepâ€Growth Polymerization of Nâ€Methylpyrrole and Nâ€Methylindole. Angewandte Chemie, 0, , .	1.6	1
265	Twoâ€photon Excitation Induced Fluorescence of a Trifluorophoreâ€labeled DNA^{Â¶}. Photochemistry and Photobiology, 2005, 81, 238-241.	1.3	0
266	Optical threshold layer and intermediate state two-photon PAG approaches to double exposure lithography. Proceedings of SPIE, 2009, , .	0.8	0
267	Frontispiece: Organophotocatalysis: Insights into the Mechanistic Aspects of Thioureaâ€Mediated Intermolecular [2+2]â€...Photocycloadditions. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
268	Innentitelbild: Von Chlorophyll abstammende gelbe Phyllobiline hÃ¶herer Pflanzen als umgebungsgesteuerte, chirale Photoschalter (Angew. Chem. 51/2016). Angewandte Chemie, 2016, 128, 15912-15912.	1.6	0
269	Frontispiz: Organophotocatalysis: Insights into the Mechanistic Aspects of Thioureaâ€Mediated Intermolecular [2+2]â€...Photocycloadditions. Angewandte Chemie, 2016, 128, .	1.6	0
270	Frontispiece: Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0

#	Article	IF	Citations
271	Frontispiz: Realizing an Aza PaternÃ²â€“BÃ¼chi Reaction. Angewandte Chemie, 2017, 129, .	1.6	0
272	Comment on A. Tiessen â€œThe ï¬‚uorescent blue glow of banana fruits is not due to symplasmic plastidial catabolism but arises from insoluble phenols estherified to the cell wallâ€• Plant Science, 2019, 280, 461-462.	1.7	0
273	Two-Photon Excitation Induced Fluorescence of a Tri-fluorophore Labeled DNA. Photochemistry and Photobiology, 2005, 81, 238-41.	1.3	0
274	Imaging Functional Dynamic Processes within Integral Membrane Proteins at the Singleâ€Molecule Scale. FASEB Journal, 2015, 29, 498.3.	0.2	0
275	Network Characterization of Photocross-Linked Silicone Acrylates. , 0, , 261-262.		0
276	Laser ablation of â€˜diamonds-in-waterâ€™ for trace element and isotopic composition analysis. Journal of Analytical Atomic Spectrometry, 0, , .	1.6	0