

Steffen Jockusch

List of Publications by Year in descending order

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276

papers

14,111

citations

17440

63

h-index

29157

104

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297

all docs

297

docs citations

297

times ranked

15084

citing authors

#	ARTICLE	IF	CITATIONS
1	Intramolecular Charge Transfer in the Azathioprine Prodrug Quenches Intersystem Crossing to the Reactive Triplet State in 6-Mercaptopurine. <i>Photochemistry and Photobiology</i> , 2022, 98, 617-632.	2.5	3
2	Combination of antiviral drugs inhibits SARS-CoV-2 polymerase and exonuclease and demonstrates COVID-19 therapeutic potential in viral cell culture. <i>Communications Biology</i> , 2022, 5, 154.	4.4	40
3	2-Oxopurine Riboside: A Dual Fluorescent Analog and Photosensitizer for RNA/DNA Research. <i>Journal of Physical Chemistry B</i> , 2022, 126, 4483-4490.	2.6	3
4	In silico prediction of annihilators for triplet-triplet annihilation upconversion via auxiliary-field quantum Monte Carlo. <i>Chemical Science</i> , 2021, 12, 1068-1079.	7.4	7
5	Uncovering New Excited State Photochemical Reactivity by Altering the Course of the De Mayo Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 3677-3681.	13.7	17
6	In vitro antiviral activity of the anti-HCV drugs daclatasvir and sofosbuvir against SARS-CoV-2, the aetiological agent of COVID-19. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 1874-1885.	3.0	65
7	Mussel-Inspired Coatings by Photoinduced Electron-Transfer Reactions: Photopolymerization of Dopamine under UV, Visible, and Daylight under Oxygen-Free Conditions. <i>Macromolecules</i> , 2021, 54, 5991-5999.	4.8	12
8	Fluorescence sensing of microplastics on surfaces. <i>Environmental Chemistry Letters</i> , 2021, 19, 1797-1802.	16.2	23
9	Novel Dual-Organelle-Targeting Probe (RCPP) for Simultaneous Measurement of Organellar Acidity and Alkalinity in Living Cells. <i>ACS Omega</i> , 2021, 6, 31447-31456.	3.5	9
10	Energy Transfer Catalysis by Visible Light: Atropo- and Regioselective Intermolecular [2+2] Photocycloaddition of Maleimide with Alkenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1478-1481.	2.4	14
11	Quinoline-annulated porphyrin platinum complexes as NIR emitters. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 386-393.	0.8	4
12	Quinoidization of Expanded Aromatic Diimides: Photophysics, Aromaticity, and Stability of the Novel Quinoidal Acenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 917-922.	2.4	4
13	Nucleotide Analogues as Inhibitors of SARS-CoV-2 Polymerase, a Key Drug Target for COVID-19. <i>Journal of Proteome Research</i> , 2020, 19, 4690-4697.	3.7	223
14	Detection of the thietane precursor in the UVA formation of the DNA 6-4 photoadduct. <i>Nature Communications</i> , 2020, 11, 3599.	12.8	17
15	Synthesis, Characterization, and Catalytic Activity of Bimetallic Ti/Cr Complexes. <i>Organometallics</i> , 2020, 39, 4592-4598.	2.3	2
16	Molecular Engineering of Chromophores to Enable Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 19917-19925.	13.7	42
17	Photoinduced synthesis of antibacterial hydrogel from aqueous photoinitiating system. <i>European Polymer Journal</i> , 2020, 138, 109936.	5.4	11
18	Nucleotide analogues as inhibitors of SARS-CoV Polymerase. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00674.	2.4	56

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19	Sofosbuvir terminated RNA is more resistant to SARS-CoV-2 proofreader than RNA terminated by Remdesivir. Scientific Reports, 2020, 10, 16577.	3.3	65
20	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.	7.1	35
21	A library of nucleotide analogues terminate RNA synthesis catalyzed by polymerases of coronaviruses that cause SARS and COVID-19. Antiviral Research, 2020, 180, 104857.	4.1	100
22	Iron imaging in myocardial infarction reperfusion injury. Nature Communications, 2020, 11, 3273.	12.8	22
23	Quinizarin Derivatives as Photoinitiators for Free-Radical and Cationic Photopolymerizations in the Visible Spectral Range. Macromolecules, 2020, 53, 1129-1141.	4.8	32
24	The red chlorophyll catabolite (RCC) is an inefficient sensitizer of singlet oxygen – photochemical studies of the methyl ester of RCC. Photochemical and Photobiological Sciences, 2020, 19, 668-673.	2.9	7
25	Zinc Substitution of Cobalt in Vitamin B12: Zincobyrinic acid and Zincobalamin as Luminescent Structural B12 Mimics. Angewandte Chemie - International Edition, 2019, 58, 14568-14572.	13.8	25
26	Zinc Substitution of Cobalt in Vitamin B12: Zincobyrinic acid and Zincobalamin as Luminescent Structural B12 Mimics. Angewandte Chemie, 2019, 131, 14710-14714.	2.0	4
27	Die Hydrogenobyrinsäure-Struktur enthllt den Corrin-Liganden als entatisches Zustandsmodul zur Steigerung der Katalyseaktivitt von B ₁₂ -Cofaktoren. Angewandte Chemie, 2019, 131, 10869-10873.	2.0	8
28	Comment on A. Tiessen – The fluorescent blue glow of banana fruits is not due to symplasmic plastidial catabolism but arises from insoluble phenols esterified to the cell wall. Plant Science, 2019, 280, 461-462.	3.6	0
29	Cardioprotection Effects of LPTC-5 Involve Mitochondrial Protection and Dynamics. ACS Omega, 2019, 4, 9868-9877.	3.5	1
30	The Hydrogenobyrinic Acid Structure Reveals the Corrin Ligand as an Entatic State Module Empowering B ₁₂ Cofactors for Catalysis. Angewandte Chemie - International Edition, 2019, 58, 10756-10760.	13.8	30
31	Oxidizable Ketones: Persistent Radical Cations from the Single-Electron Oxidation of 2,3-Diaminocyclopropenones.. Angewandte Chemie, 2019, 131, 8133-8136.	2.0	2
32	Oxidizable Ketones: Persistent Radical Cations from the Single-Electron Oxidation of 2,3-Diaminocyclopropenones.. Angewandte Chemie - International Edition, 2019, 58, 8049-8052.	13.8	17
33	Compartmentalized Nanoreactors for One-Pot Redox-Driven Transformations. ACS Catalysis, 2019, 9, 2701-2706.	11.2	57
34	Dithionated Nucleobases as Effective Photodynamic Agents against Human Epidermoid Carcinoma Cells. ChemMedChem, 2018, 13, 1044-1050.	3.2	27
35	Photoacidity of vanillin derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 38-41.	3.9	5
36	Identification of Fluorescent Small Molecule Compounds for Synaptic Labeling by Image-Based, High-Content Screening. ACS Chemical Neuroscience, 2018, 9, 673-683.	3.5	5

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37	Realizing the Photoene Reaction with Alkenes under Visible Light Irradiation and Bypassing the Favored [2 + 2]-Photocycloaddition. <i>Journal of the American Chemical Society</i> , 2018, 140, 13185-13189.	13.7	22
38	Conjugate addition from the excited state. <i>Chemical Communications</i> , 2018, 54, 11021-11024.	4.1	3
39	Three-Dimensional Graphene Nanostructures. <i>Journal of the American Chemical Society</i> , 2018, 140, 9341-9345.	13.7	93
40	Photochemical conversion of a cytidine derivative to a thymidine analog via [2+2]-cycloaddition. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1049-1055.	2.9	3
41	Thioxanthone Photoinitiators with Heterocyclic Extended Chromophores. <i>RSC Polymer Chemistry Series</i> , 2018, , 1-13.	0.2	3
42	Contorted Octabenzocircumbiphenyl Sorts Semiconducting Single-Walled Carbon Nanotubes with Structural Specificity. <i>Chemistry of Materials</i> , 2017, 29, 595-604.	6.7	2
43	Photochemical Reactivity of dTPT3: A Crucial Nucleobase Derivative in the Development of Semisynthetic Organisms. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2387-2392.	4.6	12
44	Realizing an Aza Patern-Büchi Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7056-7061.	13.8	61
45	Frontispiece: Realizing an Aza Patern-Büchi Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	13.8	0
46	Indole-TEMPO conjugates alleviate ischemia-reperfusion injury via attenuation of oxidative stress and preservation of mitochondrial function. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2545-2568.	3.0	11
47	A photo-auxiliary approach enabling excited state classical phototransformations with metal free visible light irradiation. <i>Chemical Communications</i> , 2017, 53, 1692-1695.	4.1	8
48	Transposed Patern-Büchi Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 655-662.	13.7	47
49	A Naphtho-p-quinodimethane Exhibiting Baird's (Anti)Aromaticity, Broken Symmetry, and Attractive Photoluminescence. <i>Journal of Organic Chemistry</i> , 2017, 82, 10167-10173.	3.2	22
50	Evaluating brominated thioxanthenes as organophotocatalysts. <i>Journal of Physical Organic Chemistry</i> , 2017, 30, e3738.	1.9	33
51	Realizing an Aza Patern-Büchi Reaction. <i>Angewandte Chemie</i> , 2017, 129, 7162-7167.	2.0	16
52	Frontispiz: Realizing an Aza Patern-Büchi Reaction. <i>Angewandte Chemie</i> , 2017, 129, .	2.0	0
53	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. <i>Chemical Science</i> , 2017, 8, 755-762.	7.4	58
54	Excited-State Dynamics of the Thiopurine Prodrug 6-Thioguanine: Can N9-Glycosylation Affect Its Phototoxic Activity?. <i>Molecules</i> , 2017, 22, 379.	3.8	43

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55	DNA Scaffolded Silver Clusters: A Critical Study. <i>Molecules</i> , 2016, 21, 216.	3.8	12
56	Organophotocatalysis: Insights into the Mechanistic Aspects of Thiourea-Mediated Intermolecular [2+2]-Photocycloadditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5446-5451.	13.8	26
57	The Triplet State of 6-thio-2-deoxyguanosine: Intrinsic Properties and Reactivity Toward Molecular Oxygen. <i>Photochemistry and Photobiology</i> , 2016, 92, 286-292.	2.5	35
58	Frontispiece: Organophotocatalysis: Insights into the Mechanistic Aspects of Thiourea-Mediated Intermolecular [2+2]-Photocycloadditions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	0
59	Organophotocatalysis: Insights into the Mechanistic Aspects of Thiourea-Mediated Intermolecular [2+2]-Photocycloadditions. <i>Angewandte Chemie</i> , 2016, 128, 5536-5541.	2.0	7
60	Click chemistry based biomolecular conjugation monitoring using surface-enhanced Raman spectroscopy mapping. , 2016, , .		1
61	The active role of excited states of phenothiazines in photoinduced metal free atom transfer radical polymerization: singlet or triplet excited states?. <i>Polymer Chemistry</i> , 2016, 7, 6039-6043.	3.9	63
62	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13519-13523.	13.8	123
63	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie</i> , 2016, 128, 13717-13721.	2.0	32
64	Photoinitiated Metal-Free Controlled/Living Radical Polymerization Using Polynuclear Aromatic Hydrocarbons. <i>Macromolecules</i> , 2016, 49, 7785-7792.	4.8	113
65	Photoreactions with a Twist: Atropisomerism-Driven Divergent Reactivity of Enones with UV and Visible Light. <i>Chemistry - A European Journal</i> , 2016, 22, 11339-11348.	3.3	16
66	Unintended Consequences of Expanding the Genetic Alphabet. <i>Journal of the American Chemical Society</i> , 2016, 138, 11457-11460.	13.7	36
67	Chlorophyll-Derived Yellow Phyllobilins of Higher Plants as Medium-Responsive Chiral Photoswitches. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15760-15765.	13.8	24
68	Quantitative analysis of biogenic polyamines in distilled drinks by direct electrospray ionization tandem mass spectrometry using a nanocontainer. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1963-1968.	1.5	8
69	Photoactivated Production of Secondary Organic Species from Isoprene in Aqueous Systems. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9042-9048.	2.5	23
70	Von Chlorophyll abstammende gelbe Phyllobiline hÄ¶herer Pflanzen als umgebungsgesteuerte, chirale Photoschalter. <i>Angewandte Chemie</i> , 2016, 128, 15992-15997.	2.0	4
71	Innentitelbild: Von Chlorophyll abstammende gelbe Phyllobiline hÄ¶herer Pflanzen als umgebungsgesteuerte, chirale Photoschalter (<i>Angew. Chem.</i> 51/2016). <i>Angewandte Chemie</i> , 2016, 128, 15912-15912.	2.0	0
72	Frontispiz: Organophotocatalysis: Insights into the Mechanistic Aspects of Thiourea-Mediated Intermolecular [2+2]-Photocycloadditions. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0

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73	Engaging electronic effects for atropselective [5+2]-photocycloaddition of maleimides. Chemical Communications, 2016, 52, 8305-8308.	4.1	8
74	Thioxanthone-benzothiophenes as photoinitiator for free radical polymerization. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 22-28.	3.9	64
75	Structure–Kinetics Correlations in Isostructural Crystals of \pm -(<i>ortho</i> -Tolyl)-acetophenones: Pinning Down Electronic Effects Using Laser-Flash Photolysis in the Solid State. Journal of the American Chemical Society, 2016, 138, 2644-2648.	13.7	15
76	Evaluating thiourea/urea catalyst for enantioselective 6 π -photocyclization of acrylanilides. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 84-88.	3.9	15
77	Energy Transfer from Quantum Dots to Graphene and MoS ₂ : The Role of Absorption and Screening in Two-Dimensional Materials. Nano Letters, 2016, 16, 2328-2333.	9.1	179
78	Intra-molecular triplet energy transfer is a general approach to improve organic fluorophore photostability. Photochemical and Photobiological Sciences, 2016, 15, 196-203.	2.9	45
79	Increase in the photoreactivity of uracil derivatives by doubling thionation. Physical Chemistry Chemical Physics, 2015, 17, 27851-27861.	2.8	96
80	Intra- to Intermolecular Singlet Fission. Journal of Physical Chemistry C, 2015, 119, 1312-1319.	3.1	65
81	Highly Stable and Sensitive Fluorescent Probes (LysoProbes) for Lysosomal Labeling and Tracking. Scientific Reports, 2015, 5, 8576.	3.3	66
82	Experimental Mixture Design as a Tool for the Synthesis of Antimicrobial Selective Molecularly Imprinted Monodisperse Microbeads. ACS Applied Materials & Interfaces, 2015, 7, 10966-10976.	8.0	17
83	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.	3.5	41
84	Imaging Functional Dynamic Processes within Integral Membrane Proteins at the Single-Molecule Scale. FASEB Journal, 2015, 29, 498.3.	0.5	0
85	2,4-Dithiothymine as a Potent UVA Chemotherapeutic Agent. Journal of the American Chemical Society, 2014, 136, 17930-17933.	13.7	126
86	Enantiospecific photochemical 6 π -ring closure of \pm -substituted atropisomeric acrylanilides—role of alkali metal ions. Photochemical and Photobiological Sciences, 2014, 13, 141-144.	2.9	19
87	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.	2.9	3
88	Enantioselective Organo-Photocatalysis Mediated by Atropisomeric Thiourea Derivatives. Angewandte Chemie - International Edition, 2014, 53, 5604-5608.	13.8	159
89	The Contribution of Reactive Oxygen Species to the Photobleaching of Organic Fluorophores. Photochemistry and Photobiology, 2014, 90, 448-454.	2.5	137
90	Synthetic versus Natural Receptors: Supramolecular Control of Chemical Sensing in Fish. ACS Chemical Biology, 2014, 9, 1432-1436.	3.4	21

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91	Ultra-stable organic fluorophores for single-molecule research. <i>Chemical Society Reviews</i> , 2014, 43, 1044-1056.	38.1	323
92	Photochemical studies of a fluorescent chlorophyll catabolite – source of bright blue fluorescence in plant tissue and efficient sensitizer of singlet oxygen. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 407-411.	2.9	22
93	Phototransformation of benzimidazole and thiabendazole inside cucurbit[8]uril. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 310-315.	2.9	17
94	Dictating Photoreactivity through Restricted Bond Rotations: Cross-Photoaddition of Atropisomeric Acrylimide Derivatives under UV/Visible-Light Irradiation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10596-10602.	2.5	20
95	DNA sequencing by synthesis using 3'-O-azidomethyl nucleotide reversible terminators and surface-enhanced Raman spectroscopic detection. <i>RSC Advances</i> , 2014, 4, 49342-49346.	3.6	7
96	Photostabilization of endogenous porphyrins: excited state quenching by fused ring cyanoacrylates. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 1180-1184.	2.9	7
97	Evaluating Thiourea Architecture for Intramolecular [2+2]-Photocycloaddition of 4-Alkenylcoumarins. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2763-2768.	4.3	47
98	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. <i>Polymer</i> , 2014, 55, 3468-3474.	3.8	68
99	Tailoring Atropisomeric Maleimides for Stereospecific [2 + 2] Photocycloaddition – Photochemical and Photophysical Investigations Leading to Visible-Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 8729-8737.	13.7	80
100	Enantioselective Organo-Photocatalysis Mediated by Atropisomeric Thiourea Derivatives. <i>Angewandte Chemie</i> , 2014, 126, 5710-5714.	2.0	54
101	Benzoin type photoinitiator for free radical polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1865-1871.	2.3	48
102	Thioxanthone Hydroquinone-O,O'-diacetic Acid: Photoinitiator or Photostabilizer?. <i>Journal of Organic Chemistry</i> , 2013, 78, 9161-9165.	3.2	18
103	Control of spin-spin exchange interactions in polynitroxides through inclusion within β -cyclodextrin. <i>RSC Advances</i> , 2013, 3, 427-431.	3.6	7
104	Dietary Chlorophyll Metabolites Catalyze the Photoreduction of Plasma Ubiquinone. <i>Photochemistry and Photobiology</i> , 2013, 89, 310-313.	2.5	7
105	Polystyrene/clay nanocomposites by atom transfer radical nitroxide coupling chemistry. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1024-1028.	2.3	16
106	Design and Synthesis of a Photoaromatization-Based Two-Stage Photobase Generator for Pitch Division Lithography. <i>Journal of Organic Chemistry</i> , 2013, 78, 1730-1734.	3.2	11
107	Study of a Two-Stage Photobase Generator for Photolithography in Microelectronics. <i>Journal of Organic Chemistry</i> , 2013, 78, 1735-1741.	3.2	8
108	Polyphenol and volatile profiles of pomegranate (<i>Punica granatum</i> L.) fruit extracts and liquors. <i>International Journal of Food Science and Technology</i> , 2013, 48, 693-700.	2.7	17

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109	Dynamics of excited state electron transfer at a liquid interface using time-resolved sum frequency generation. <i>Chemical Physics Letters</i> , 2012, 544, 1-6.	2.6	21
110	EPR Analysis and DFT Computations of a Series of Polynitroxides. <i>Journal of Physical Chemistry A</i> , 2012, 116, 174-184.	2.5	26
111	On the Mechanisms of Cyanine Fluorophore Photostabilization. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2200-2203.	4.6	83
112	CdSe/ZnS core shell quantum dot-based FRET binary oligonucleotide probes for detection of nucleic acids. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 881-884.	2.9	12
113	Mechanisms by which Alkynes React with $\text{CpCr(CO)}_3\text{H}$. Application to Radical Cyclization. <i>Journal of the American Chemical Society</i> , 2012, 134, 15512-15518.	13.7	39
114	Capsular Complexes of Nonpolar Guests with Octa Amine Host Detected in the Gas Phase. <i>Organic Letters</i> , 2012, 14, 560-563.	4.6	18
115	New Rhodamine Nitroxide Based Fluorescent Probes for Intracellular Hydroxyl Radical Identification in Living Cells. <i>Organic Letters</i> , 2012, 14, 50-53.	4.6	96
116	Photoinduced Electron Transfer Reactions of Highly Conjugated Thiophenes for Initiation of Cationic Polymerization and Conjugated Polymer Formation. <i>Macromolecules</i> , 2012, 45, 7829-7834.	4.8	65
117	Photoinduced electron transfer between a donor and an acceptor separated by a capsular wall. <i>Chemical Communications</i> , 2012, 48, 2710.	4.1	39
118	Kinetic Solvent Effects on Hydrogen Abstraction from Phenol by the Cumyloxyl Radical. Toward an Understanding of the Role of Protic Solvents. <i>Journal of Organic Chemistry</i> , 2012, 77, 1267-1272.	3.2	15
119	Structure of wood extract colloids and effect of CaCl_2 on the molecular mobility. <i>Nordic Pulp and Paper Research Journal</i> , 2012, 27, 639-646.	0.7	4
120	Photochemistry of 2-diphenylmethoxyacetophenone. Direct detection of a long-lived enol from a Norrish Type II photoreaction. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1450.	2.9	4
121	A Photochemical On-Off Switch for Tuning the Equilibrium Mixture of H_2 Nuclear Spin Isomers as a Function of Temperature. <i>Journal of the American Chemical Society</i> , 2011, 133, 14232-14235.	13.7	19
122	Aggregates of Cucurbituril Complexes in the Gas Phase. <i>Organic Letters</i> , 2011, 13, 2410-2413.	4.6	36
123	Mechanism of Photoinitiated Free Radical Polymerization by Thioxanthone-Anthracene in the Presence of Air. <i>Macromolecules</i> , 2011, 44, 2531-2535.	4.8	72
124	CIDEP from a Polarized Ketone Triplet State Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2877-2880.	4.6	22
125	Dynamics of capsuleplex formed between octaacid and organic guest molecules—Photophysical techniques reveal the opening and closing of capsuleplex. <i>Canadian Journal of Chemistry</i> , 2011, 89, 203-213.	1.1	43
126	Photophysical aspects of 6-methylcoumarin-cucurbit[8]uril host-guest complexes. <i>Canadian Journal of Chemistry</i> , 2011, 89, 310-316.	1.1	29

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127	Supramolecular photocatalysis: insights into cucurbit[8]uril catalyzed photodimerization of 6-methylcoumarin. <i>Chemical Communications</i> , 2011, 47, 6323.	4.1	75
128	Intermolecular Energy Transfer from Tb ³⁺ to Eu ³⁺ in Aqueous Aggregates and on the Surface of Human Cells. <i>Organic Letters</i> , 2011, 13, 2802-2805.	4.6	24
129	Interaction between Encapsulated Excited Organic Molecules and Free Nitroxides: Communication Across a Molecular Wall. <i>Langmuir</i> , 2011, 27, 10548-10555.	3.5	33
130	Observations of Interfacial Population and Organization of Surfactants with Sum Frequency Generation and Surface Tension. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12064-12067.	3.1	19
131	A New Strategy to Photoactivate Green Fluorescent Protein. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7677-7679.	13.8	33
132	Electron Spin Polarization Transfer from a Nitroxide Incarcerated within a Nanocapsule to a Nitroxide in the Bulk Aqueous Solution. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2628-2632.	4.6	33
133	Closed Nanocontainer Enables Thioketones to Phosphoresce at Room Temperature in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14320-14328.	2.6	34
134	Guest Rotations within a Capsuleplex Probed by NMR and EPR Techniques. <i>Langmuir</i> , 2010, 26, 6943-6953.	3.5	46
135	Suppression of spin-spin coupling in nitroxyl biradicals by supramolecular host-guest interactions. <i>Chemical Communications</i> , 2010, 46, 7736.	4.1	15
136	A Magnetic Switch for Spin-Catalyzed Interconversion of Nuclear Spin Isomers. <i>Journal of the American Chemical Society</i> , 2010, 132, 4042-4043.	13.7	32
137	Photoinitiated Polymerization: Advances, Challenges, and Opportunities. <i>Macromolecules</i> , 2010, 43, 6245-6260.	4.8	1,111
138	Synthesis of Polynitroxides Based on Nucleophilic Aromatic Substitution. <i>Organic Letters</i> , 2010, 12, 3696-3699.	4.6	20
139	Decoding Stereocontrol During the Photooxygenation of Oxazolidinone-Functionalized Enecarbamates. <i>Organic Letters</i> , 2010, 12, 2142-2145.	4.6	5
140	The Spin Chemistry and Magnetic Resonance of H ₂ @C ₆₀ . From the Pauli Principle to Trapping a Long Lived Nuclear Excited Spin State inside a Buckyball. <i>Accounts of Chemical Research</i> , 2010, 43, 335-345.	15.6	74
141	Photochemistry of 4-Chlorophenol and 4-Chloroanisole Adsorbed on MFI Zeolites: Supramolecular Control of Chemoselectivity and Reactive Intermediate Dynamics. <i>Organic Letters</i> , 2010, 12, 3062-3065.	4.6	13
142	Steady-State and Time-Resolved Studies of the Photocleavage of Lysozyme by Co(III) Complexes. <i>Langmuir</i> , 2010, 26, 1966-1972.	3.5	2
143	Adiabatic ring opening in tethered naphthalene and anthracene cycloadducts. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1082.	2.9	4
144	Isolation and syn Elimination of a Peterson Adduct to Obtain Optically Pure Product in the Diastereoselective Synthesis of Oxazolidinone- Functionalized Enecarbamates. <i>Letters in Organic Chemistry</i> , 2009, 6, 362-366.	0.5	1

#	ARTICLE	IF	CITATIONS
145	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.	7.1	79
146	Role of Environmental Factors on the Structure and Spectroscopic Response of 5'-DNA-Porphyrin Conjugates Caused by Changes in the Porphyrin-Porphyrin Interactions. Chemistry - A European Journal, 2009, 15, 11853-11866.	3.3	73
147	Photoinduced surface crosslinking of superabsorbent polymer particles. Journal of Applied Polymer Science, 2009, 111, 2163-2170.	2.6	42
148	Fundamental Optical Properties of Linear and Cyclic Alkanes: VUV Absorbance and Index of Refraction. Journal of Physical Chemistry A, 2009, 113, 9337-9347.	2.5	56
149	Self Aggregation of Supramolecules of Nitroxides@Cucurbit[8]uril Revealed by EPR Spectra. Langmuir, 2009, 25, 13820-13832.	3.5	47
150	Mechanistic Studies of Photoinitiated Free Radical Polymerization Using a Bifunctional Thioxanthone Acetic Acid Derivative as Photoinitiator. Macromolecules, 2009, 42, 7318-7323.	4.8	57
151	Synthesis, Structure, and Optical Properties of the Platinum(II) Complexes of Indaphyrin and Thiaindaphyrin. Inorganic Chemistry, 2009, 48, 4067-4074.	4.0	17
152	Charge Transfer Chemical Doping of Few Layer Graphenes: Charge Distribution and Band Gap Formation. Nano Letters, 2009, 9, 4133-4137.	9.1	263
153	Physical and chemical quenching rates and their influence on stereoselective photooxygenation of oxazolidinone-functionalized enecarbamates. Photochemical and Photobiological Sciences, 2009, 8, 912-915.	2.9	3
154	Probing the photoreactivity of aryl chlorides with oxygen. Photochemical and Photobiological Sciences, 2009, 8, 210-216.	2.9	23
155	Mechanism for Oxygen-Enhanced Photoconductivity in Rubrene: Electron Transfer Doping—1/2 This 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.	6.7	32
156	Optical threshold layer and intermediate state two-photon PAG approaches to double exposure lithography. Proceedings of SPIE, 2009, , .	0.8	0
157	Fundamental study of optical threshold layer approach towards double exposure lithography. , 2009, , .		1
158	Blue Luminescence of Ripening Bananas. Angewandte Chemie - International Edition, 2008, 47, 8954-8957.	13.8	90
159	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.	9.4	27
160	Photoacid Generation by Stepwise Two-Photon Absorption: 100% Photoinitiated Cationic Polymerization of Cyclohexene Oxide by Using Benzodioxinone in the Presence of Iodonium Salt. Macromolecules, 2008, 41, 295-297.	4.8	79
161	Toward the Design of a Sequential Two Photon Photoacid Generator for Double Exposure Photolithography. Chemistry of Materials, 2008, 20, 7374-7376.	6.7	27
162	Nonradiative Deactivation of Singlet Oxygen (1O_2) by Cubane and Its Derivatives. Organic Letters, 2008, 10, 5509-5512.	4.6	9

#	ARTICLE	IF	CITATIONS
163	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.	13.7	89
164	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.	13.7	53
165	Mechanisms involved in A2E oxidation. Experimental Eye Research, 2008, 86, 975-982.	2.6	42
166	Vibrational deactivation of singlet oxygen: does it play a role in stereoselectivity during photooxygenation?. Photochemical and Photobiological Sciences, 2008, 7, 531.	2.9	3
167	A Mechanistic Design Principle for Protein Tyrosine Kinase Sensors: Application to a Validated Cancer Target. Organic Letters, 2008, 10, 301-304.	4.6	16
168	The Reaction of Singlet Oxygen with Enecarbamates: A Mechanistic Playground for Investigating Chemoselectivity, Stereoselectivity, and Vibratiosselectivity of Photooxidations. Accounts of Chemical Research, 2008, 41, 387-400.	15.6	60
169	Demonstration of a Chemical Transformation Inside a Fullerene. The Reversible Conversion of the Allotropes of H ₂ @C ₆₀ . Journal of the American Chemical Society, 2008, 130, 10506-10507.	13.7	62
170	2-Mercaptothioxanthone as Sensitizer and Coinitiator for Acylphosphine Oxide Photoinitiators for Free Radical Polymerization. Macromolecules, 2008, 41, 4631-4634.	4.8	37
171	Singlet molecular oxygen by direct excitation. Photochemical and Photobiological Sciences, 2008, 7, 235-239.	2.9	47
172	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. Physical Review A, 2008, 77, .	2.5	10
173	Pyrene Excimer Signaling Molecular Beacons for Probing Nucleic Acids. Journal of the American Chemical Society, 2008, 130, 336-342.	13.7	289
174	The <i>all-trans</i> -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.	7.1	129
175	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.	7.1	8
176	Fluorescent Hybridization Probes for Sensitive and Selective DNA and RNA Detection. Accounts of Chemical Research, 2007, 40, 402-409.	15.6	174
177	Can H ₂ Inside C ₆₀ Communicate with the Outside World?. Journal of the American Chemical Society, 2007, 129, 14554-14555.	13.7	34
178	Chlorophyll derivatives as visual pigments for super vision in the red. Photochemical and Photobiological Sciences, 2007, 6, 775.	2.9	23
179	Controlled diastereoselectivity at the alkene-geometry through selective encapsulation: E-Zphotoisomerization of oxazolidinone-functionalized enecarbamates within hydrophobic nano-cavities. Chemical Communications, 2007, , 819-821.	4.1	6
180	Interactions of a Hydrophobically Modified Polymer with Oppositely Charged Surfactants. Langmuir, 2007, 23, 5906-5913.	3.5	41

#	ARTICLE	IF	CITATIONS
181	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.	3.1	16
182	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.	13.7	59
183	Mechanism of Photoinduced Step Polymerization of Thiophene by Onium Salts:â€”Reactions of Phenyliodonium and Diphenylsulfonium Radical Cations with Thiophene. Macromolecules, 2007, 40, 4481-4485.	4.8	96
184	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.	13.7	72
185	Thioxanthoneâ”Anthracene:â”A New Photoinitiator for Free Radical Polymerization in the Presence of Oxygen. Macromolecules, 2007, 40, 4138-4141.	4.8	153
186	Design and characterization of two-dye and three-dye binary fluorescent probes for mRNA detection. Tetrahedron, 2007, 63, 3591-3600.	1.9	34
187	NIR luminescence of gadolinium porphyrin complexes. Chemical Physics Letters, 2007, 435, 45-49.	2.6	37
188	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.	13.7	166
189	Combinatorial fluorescence energy transfer molecular beacons for probing nucleic acid sequences. Photochemical and Photobiological Sciences, 2006, 5, 896.	2.9	24
190	Spectroscopic investigation of a FRET molecular beacon containing two fluorophores for probing DNA/RNA sequences. Photochemical and Photobiological Sciences, 2006, 5, 493.	2.9	36
191	Oximetry of Oxygen Supersaturated Solutions Using Nitroxides as EPR Probe. Journal of Physical Chemistry B, 2006, 110, 7574-7578.	2.6	6
192	Phosphorylation State-Responsive Lanthanide Peptide Conjugates: A Luminescence Switch Based on Reversible Complex Reorganization. Organic Letters, 2006, 8, 2723-2726.	4.6	48
193	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.	1.9	15
194	A comparative mechanistic analysis of the stereoselectivity trends observed in the oxidation of chiral oxazolidinone-functionalized enecarbamates by singlet oxygen, ozone, and triazolidinedione. Tetrahedron, 2006, 62, 10647-10659.	1.9	14
195	Control of Chirality by Cations in Confined Spaces: Photooxidation of Enecarbamates Inside Zeolite Supercagesâ€. Photochemistry and Photobiology, 2006, 82, 123.	2.5	18
196	Tetraarylporphyrin as a Selective Molecular Cap for Non-Watsonâ€”Crick Guanineâ€”Adenine Base-Pair Sequences. Angewandte Chemie - International Edition, 2006, 45, 3530-3533.	13.8	31
197	Interaction between Molecular Oxygen and Nitroxide Radicals: A Search for a Reversible Complex. Helvetica Chimica Acta, 2006, 89, 2441-2449.	1.6	10
198	Molecular beacons with intrinsically fluorescent nucleotides. Nucleic Acids Research, 2006, 34, e50-e50.	14.5	66

#	ARTICLE	IF	CITATIONS
199	Pyrene binary probes for unambiguous detection of mRNA using time-resolved fluorescence spectroscopy. <i>Nucleic Acids Research</i> , 2006, 34, 3161-3168.	14.5	101
200	Investigation of the mobility of amphiphilic polymerâ€”AOT reverse microemulsion systems using electron spin resonance. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 318-325.	9.4	19
201	Superoxidation of Bisretinoids. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7097-7100.	13.8	32
202	Oxygen pressure measurement using singlet oxygen emission. <i>Review of Scientific Instruments</i> , 2005, 76, 054101.	1.3	27
203	Light-switching excimer probes for rapid protein monitoring in complex biological fluids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17278-17283.	7.1	334
204	Mechanistic Study of Photoinitiated Free Radical Polymerization Using Thioxanthone Thioacetic Acid as One-Component Type II Photoinitiator. <i>Macromolecules</i> , 2005, 38, 4133-4138.	4.8	134
205	Direct measurement of the singlet oxygen lifetime in zeolites by near-IR phosphorescence. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 403.	2.9	37
206	Two-Photon Induced Uncaging of a Reactive Intermediate. Multiphoton In Situ Detection of a Potentially Valuable Label for Biological Applications. <i>Journal of Organic Chemistry</i> , 2005, 70, 2143-2147.	3.2	14
207	Stereoselective Photooxidation of Enecarbamates:â€”Reactivity of Ozone vs Singlet Oxygen. <i>Organic Letters</i> , 2005, 7, 2089-2092.	4.6	28
208	Conformational Changes of Pyrene-Labeled Polyelectrolytes with pH:â€”Effect of Hydrophobic Modifications. <i>Journal of Physical Chemistry B</i> , 2005, 109, 20714-20718.	2.6	25
209	Chemically Induced Dynamic Electron Polarization Generated through the Interaction between Singlet Molecular Oxygen and Nitroxide Radicals. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10216-10221.	2.5	24
210	157 nm Pellicles (Thin Films) for Photolithography:â€”Mechanistic Investigation of the VUV and UV-C Photolysis of Fluorocarbons. <i>Journal of the American Chemical Society</i> , 2005, 127, 8320-8327.	13.7	12
211	Amplification of the index of refraction of aqueous immersion fluids by ionic surfactants. , 2005, , .		16
212	Stereoselective E/Z photoisomerization of oxazolidinone functionalized enecarbamates: direct and triplet sensitized irradiation. <i>Chemical Communications</i> , 2005, , 3424.	4.1	6
213	Twoâ€”photon Excitation Induced Fluorescence of a Trifluorophoreâ€”labeled DNA^{â†“}. <i>Photochemistry and Photobiology</i> , 2005, 81, 238-241.	2.5	0
214	Two-photon Excitation Induced Fluorescence of a Trifluorophore-labeled DNAâ†“. <i>Photochemistry and Photobiology</i> , 2005, 81, 238.	2.5	2
215	Two-Photon Excitation Induced Fluorescence of a Tri-fluorophore Labeled DNA. <i>Photochemistry and Photobiology</i> , 2005, 81, 238-41.	2.5	0
216	Interactions of cationic dendrimers with hematite mineral. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 238, 123-126.	4.7	23

#	ARTICLE	IF	CITATIONS
217	Photochemistry of A1E, a Retinoid with a Conjugated Pyridinium Moiety: A Competition between Pericyclic Photooxygenation and Pericyclization. <i>Journal of the American Chemical Society</i> , 2004, 126, 4646-4652.	13.7	12
218	Reversible Surface Oxidation and Efficient Luminescence Quenching in Semiconductor Single-Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 15269-15276.	13.7	227
219	Interactions of Dendrimers with Selected Amino Acids and Proteins Studied by Continuous Wave EPR and Fourier Transform EPR. <i>Langmuir</i> , 2004, 20, 10238-10245.	3.5	61
220	Stereocontrol within Confined Spaces: A Enantioselective Photooxidation of Enecarbamates Inside Zeolite Supercages. <i>Journal of the American Chemical Society</i> , 2004, 126, 10816-10817.	13.7	49
221	Temperature and Solvent Control of the Stereoselectivity in the Reactions of Singlet Oxygen with Oxazolidinone-Substituted Enecarbamates. <i>Journal of the American Chemical Society</i> , 2004, 126, 10498-10499.	13.7	54
222	157-nm pellicles for photolithography: mechanistic investigation of the deep-UV photolysis of fluorocarbons. , 2004, 5377, 1598.		5
223	Free radical promoted cationic polymerization by using bisacylphosphine oxide photoinitiators: substituent effect on the reactivity of phosphinoyl radicals. <i>Polymer</i> , 2003, 44, 7389-7396.	3.8	120
224	Aryloxy Radicals from Diaryloxydiazirines: A Cleavage of Diaryloxycarbenes or Excited Diazirines?. <i>Organic Letters</i> , 2003, 5, 5027-5030.	4.6	18
225	Interactions of Hydrophobically Modified Polyelectrolytes with Surfactants of the Same Charge. <i>Langmuir</i> , 2003, 19, 10747-10752.	3.5	55
226	Stereochemical Features of the Physical and Chemical Interactions of Singlet Oxygen with Enecarbamates. <i>Organic Letters</i> , 2003, 5, 4951-4953.	4.6	23
227	EPR Investigation of the Adsorption of Dendrimers on Porous Surfaces. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2046-2053.	2.6	39
228	2-Mercaptothioxanthone as a Novel Photoinitiator for Free Radical Polymerization. <i>Macromolecules</i> , 2003, 36, 2649-2653.	4.8	181
229	Surfactant Interactions with Zein Protein. <i>Langmuir</i> , 2003, 19, 5083-5088.	3.5	99
230	Alkali Ion-Controlled Excited-State Ordering of Acetophenones Included in Zeolites: A Emission, Solid-State NMR, and Computational Studies. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3187-3198.	2.5	19
231	Ruthenium(ii)-tris-bipyridine/titanium dioxide codoped zeolite Y photocatalysts: II. Photocatalyzed degradation of the model pollutant 2,4-xylidine, evidence for percolation behavior. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 477-486.	2.9	22
232	Photoisomerization of 2,3-diphenylcyclopropane-1-carboxylic acid derivativesThis paper is dedicated to Professor Fred Lewis on the event of his 60th birthday.. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 1101.	2.9	13
233	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.. <i>Photochemical and Photobiological Sciences</i> . 2003. 2. 1095.	2.9	24
234	Magnetic and spin effects in the photoinitiation of polymerization. <i>Designed Monomers and Polymers</i> , 2003, 6, 91-101.	1.6	32

#	ARTICLE	IF	CITATIONS
235	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.	7.1	53
236	A2E-epoxides Damage DNA in Retinal Pigment Epithelial Cells. Journal of Biological Chemistry, 2003, 278, 18207-18213.	3.4	245
237	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.	7.1	54
238	Supramolecular Effects on the Dynamics of Radicals in MFI Zeolites: A Direct EPR Investigation. Journal of Organic Chemistry, 2002, 67, 5779-5782.	3.2	17
239	Interactions between Hydrophobically Modified Polymers and Surfactants: A Fluorescence Study. Langmuir, 2002, 18, 3860-3864.	3.5	105
240	Spectroscopic Probe of the Surface of Iron Oxide Nanocrystals. Nano Letters, 2002, 2, 325-328.	9.1	44
241	Photochromism of 2H-Naphtho[1,2-b]pyrans: A Spectroscopic Investigation. Journal of Physical Chemistry A, 2002, 106, 9236-9241.	2.5	54
242	Probing the Reactivity of Photoinitiators for Free Radical Polymerization: A Time-Resolved Infrared Spectroscopic Study of Benzoyl Radicals. Journal of the American Chemical Society, 2002, 124, 14952-14958.	13.7	128
243	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.	3.2	30
244	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.	3.5	64
245	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.	13.8	192
246	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.	9.4	13
247	Time Resolved CW-EPR Spectroscopy of Powdered Samples: 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.	2.6	8
248	Synthesis and Properties of an Aggregating Heterocyclic Helicene. Journal of the American Chemical Society, 2001, 123, 11899-11907.	13.7	271
249	Photochemistry and Photophysics of α -Hydroxy Ketones. Macromolecules, 2001, 34, 1619-1626.	4.8	147
250	Triple Fluorescence Energy Transfer in Covalently Trichromophore-Labeled DNA. Journal of the American Chemical Society, 2001, 123, 12923-12924.	13.7	91
251	Preparation and application of new ruthenium(II) polypyridyl complexes as sensitizers for nanocrystalline TiO ₂ . Journal of Photochemistry and Photobiology A: Chemistry, 2000, 132, 91-98.	3.9	56
252	Photochemical Protein Scissors: Role of Aromatic Residues on the Binding Affinity and Photocleavage Efficiency of Pyrenyl Peptides. Tetrahedron, 2000, 56, 7019-7025.	1.9	39

#	ARTICLE	IF	CITATIONS
253	Formation of Supramolecular Structures between DNA and Starburst Dendrimers Studied by EPR, CD, UV, and Melting Profiles. <i>Macromolecules</i> , 2000, 33, 7842-7851.	4.8	123
254	Heavy-Cation-Induced Phosphorescence of Alkanones and Azoalkanes in Zeolites As Hosts: \hat{A} Induced $S1(n\hat{\epsilon}^*)$ to $T1(n\hat{\epsilon}^*)$ Intersystem Crossing and $S0$ to $T1(n\hat{\epsilon}^*)$ Absorption. <i>Journal of the American Chemical Society</i> , 2000, 122, 11025-11026.	13.7	28
255	A Spectroscopic Study of Diphenylmethyl Radicals and Diphenylmethyl Carbocations Stabilized by Zeolites. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1212-1216.	2.6	27
256	A TEM and EPR Investigation of the Competitive Binding of Uranyl Ions to Starburst Dendrimers and Liposomes: \hat{A} Potential Use of Dendrimers as Uranyl Ion Sponges. <i>Langmuir</i> , 2000, 16, 7368-7372.	3.5	62
257	Fluorescence-Detected Exciton-Coupled Circular Dichroism: \hat{A} Scope and Limitation in Structural Studies of Organic Molecules. <i>Journal of the American Chemical Society</i> , 1999, 121, 8681-8691.	13.7	50
258	Radical Addition Rate Constants to Acrylates and Oxygen: \hat{A} $\hat{I}\pm$ -Hydroxy and $\hat{I}\pm$ -Amino Radicals Produced by Photolysis of Photoinitiators. <i>Journal of the American Chemical Society</i> , 1999, 121, 3921-3925.	13.7	65
259	Comparison of Nitrogen Core and Ethylenediamine Core Starburst Dendrimers through Photochemical and Spectroscopic Probes. <i>Macromolecules</i> , 1999, 32, 4419-4423.	4.8	71
260	Electron Spin Polarization by Intramolecular Triplet Quenching of a Nitroxyl Radical Labeled Thioxanthonedioxide. <i>Journal of Physical Chemistry B</i> , 1999, 103, 9126-9129.	2.6	36
261	An EPR Study of the Interactions between Starburst Dendrimers and Polynucleotides. <i>Macromolecules</i> , 1999, 32, 2275-2282.	4.8	83
262	Characterization of Starburst Dendrimers and Vesicle Solutions and Their Interactions by CW- and Pulsed-EPR, TEM, and Dynamic Light Scattering. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6029-6039.	2.6	91
263	A Bifunctional Photoaffinity Probe for Ligand/Receptor Interaction Studies. <i>Journal of the American Chemical Society</i> , 1998, 120, 8543-8544.	13.7	55
264	Phosphinoyl Radicals: \hat{A} Structure and Reactivity. A Laser Flash Photolysis and Time-Resolved ESR Investigation. <i>Journal of the American Chemical Society</i> , 1998, 120, 11773-11777.	13.7	138
265	Photochemical protease: Site-specific photocleavage of hen egg lysozyme and bovine serum albumin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 10361-10366.	7.1	83
266	DMSO Solvent Induced Photochemistry in Highly Photostable Compounds. The Role of Intermolecular Hydrogen Bonding. <i>Journal of Physical Chemistry A</i> , 1997, 101, 764-767.	2.5	87
267	A Steady-State and Picosecond Pump-Probe Investigation of the Photophysics of an Acyl and a Bis(acyl)phosphine Oxide. <i>Journal of the American Chemical Society</i> , 1997, 119, 11495-11501.	13.7	115
268	Photoinduced Energy and Electron Transfer between Ketone Triplets and Organic Dyes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 440-445.	2.5	86
269	Photo-induced inactivation of viruses: adsorption of methylene blue, thionine, and thiopyronine on Qbeta bacteriophage.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 7446-7451.	7.1	61
270	Aggregational process of the positively charged surfactants CTAC and CAT16 in the presence of starburst dendrimers: an electron paramagnetic resonance spectroscopic study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 115, 9-21.	4.7	52

#	ARTICLE	IF	CITATIONS
271	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
272	Aggregation of Methylene Blue Adsorbed on Starburst Dendrimers. Macromolecules, 1995, 28, 7416-7418.	4.8	102
273	Photocrosslinking of silicones. VI. Photocrosslinking kinetics of silicone acrylates and methacrylates. Journal of Polymer Science Part A, 1992, 30, 2755-2764.	2.3	35
274	Network Characterization of Photocross-Linked Silicone Acrylates. , 0, , 261-262.		0
275	Laser ablation of C^{13} -diamonds-in-water TM for trace element and isotopic composition analysis. Journal of Analytical Atomic Spectrometry, 0, , .	3.0	0
276	Phenacyl Bromide as a Single Component Photoinitiator: Photoinduced Step-Growth Polymerization of N-Methylpyrrole and N-Methylindole. Angewandte Chemie, 0, , .	2.0	1