Alexander Deiters

List of Publications by Year
in descending order

191 papers	13,191 citations	22099 59 h-index	26548 107 g-index
226 all docs	226 docs citations	226 times ranked	10667 citing authors

#	Article	IF	Citations
1	Efficient Amber Suppression <i>via</i> Ribosomal Skipping for <i>In Situ</i> Synthesis of Photoconditional Nanobodies. ACS Synthetic Biology, 2022, 11, 1466-1476.	1.9	4
2	Kinase-independent synthesis of 3-phosphorylated phosphoinositides by a phosphotransferase. Nature Cell Biology, 2022, 24, 708-722.	4.6	18
3	Targeted Drug Delivery through Optical Control of Cell Lysis. ACS Central Science, 2021, 7, 11-13.	5.3	0
4	High-Throughput Amenable MALDI-MS Detection of RNA and DNA with On-Surface Analyte Enrichment Using Fluorous Partitioning. SLAS Discovery, 2021, 26, 58-66.	1.4	2
5	Regulating CRISPR/Cas9 Function through Conditional Guide RNA Control. ChemBioChem, 2021, 22, 63-72.	1.3	18
6	Small-molecule control of neurotransmitter sulfonation. Journal of Biological Chemistry, 2021, 296, 100094.	1.6	8
7	Light-guided intrabodies for on-demand <i>in situ</i> target recognition in human cells. Chemical Science, 2021, 12, 5787-5795.	3.7	15
8	Patterning Microtubule Network Organization Reshapes Cell-Like Compartments. ACS Synthetic Biology, 2021, 10, 1338-1350.	1.9	4
9	DNA Computing: NOT Logic Gates See the Light. ACS Synthetic Biology, 2021, 10, 1682-1689.	1.9	12
10	Targeted Protein Degradation through Fast Optogenetic Activation and Its Application to the Control of Cell Signaling. Journal of the American Chemical Society, 2021, 143, 9222-9229.	6.6	17
11	Protein Labeling and Crosslinking by Covalent Aptamers. Angewandte Chemie, 2021, 133, 16035-16040.	1.6	5
12	Protein Labeling and Crosslinking by Covalent Aptamers. Angewandte Chemie - International Edition, 2021, 60, 15899-15904.	7.2	23
13	Conditional gene knockdowns in sea urchins using caged morpholinos. Developmental Biology, 2021, 475, 21-29.	0.9	17
14	Designer membraneless organelles sequester native factors for control of cell behavior. Nature Chemical Biology, 2021, 17, 998-1007.	3.9	60
15	Chemogenetic and optogenetic control of post-translational modifications through genetic code expansion. Current Opinion in Chemical Biology, 2021, 63, 123-131.	2.8	16
16	Targeted protein oxidation using a chromophore-modified rapamycin analog. Chemical Science, 2021, 12, 13425-13433.	3.7	2
17	Blue Light Activated Rapamycin for Optical Control of Protein Dimerization in Cells and Zebrafish Embryos. ACS Chemical Biology, 2021, 16, 2434-2443.	1.6	5
18	Small Molecule Control of Morpholino Antisense Oligonucleotide Function through Staudinger Reduction. Journal of the American Chemical Society, 2021, 143, 18665-18671.	6.6	23

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19	Translational control of gene function through optically regulated nucleic acids. Chemical Society Reviews, 2021, 50, 13253-13267.	18.7	18
20	Optical Control of Phosphoinositide Binding: Rapid Activation of Subcellular Protein Translocation and Cell Signaling. ACS Synthetic Biology, 2021, 10, 2886-2895.	1.9	2
21	Photopharmacology and Photochemical Biology. ChemPhotoChem, 2021, 5, 1031-1032.	1.5	3
22	Phosphineâ€Activated Lysine Analogues for Fast Chemical Control of Protein Subcellular Localization and Protein SUMOylation. ChemBioChem, 2020, 21, 141-148.	1.3	22
23	Genetic code expansion in mammalian cells: A plasmid system comparison. Bioorganic and Medicinal Chemistry, 2020, 28, 115772.	1.4	16
24	Optical control of MAP kinase kinase 6 (MKK6) reveals that it has divergent roles in pro-apoptotic and anti-proliferative signaling. Journal of Biological Chemistry, 2020, 295, 8494-8504.	1.6	16
25	Controlling Phosphate Removal with Light: The Development of Optochemical Tools to Probe Protein Phosphatase Function. SLAS Discovery, 2020, 25, 957-960.	1.4	1
26	Optical Control of Cellular ATP Levels with a Photocaged Adenylate Kinase. ChemBioChem, 2020, 21, 1832-1836.	1.3	14
27	Spatiotemporal Control of CRISPR/Cas9 Function in Cells and Zebrafish using Lightâ€Activated Guide RNA. Angewandte Chemie - International Edition, 2020, 59, 8998-9003.	7.2	90
28	Optical Control of Small Molecule-Induced Protein Degradation. Journal of the American Chemical Society, 2020, 142, 2193-2197.	6.6	118
29	Spatiotemporal Control of CRISPR/Cas9 Function in Cells and Zebrafish using Lightâ€Activated Guide RNA. Angewandte Chemie, 2020, 132, 9083-9088.	1.6	23
30	Fast phosphine-activated control of protein function using unnatural lysine analogues. Methods in Enzymology, 2020, 638, 191-217.	0.4	2
31	Preface. Methods in Enzymology, 2019, 624, xiii-xv.	0.4	1
32	Light-activation of Cre recombinase in zebrafish embryos through genetic code expansion. Methods in Enzymology, 2019, 624, 265-281.	0.4	12
33	Synthesis and application of light-switchable arylazopyrazole rapamycin analogs. Organic and Biomolecular Chemistry, 2019, 17, 8348-8353.	1.5	8
34	Optical control of protein phosphatase function. Nature Communications, 2019, 10, 4384.	5.8	33
35	Development of photolabile protecting groups and their application to the optochemical control of cell signaling. Current Opinion in Structural Biology, 2019, 57, 164-175.	2.6	83
36	Small molecule inhibition of microRNA-21 expression reduces cell viability and microtumor formation. Bioorganic and Medicinal Chemistry, 2019, 27, 3735-3743.	1.4	12

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37	Combinatorial control of gene function with wavelength-selective caged morpholinos. Methods in Enzymology, 2019, 624, 69-88.	0.4	7
38	Aryl Azides as Phosphine-Activated Switches for Small Molecule Function. Scientific Reports, 2019, 9, 1470.	1.6	23
39	Enzyme Allostery: Now Controllable by Light. Cell Chemical Biology, 2019, 26, 1481-1483.	2.5	10
40	A high-avidity biosensor reveals plasma membrane PI(3,4)P2 is predominantly a class I PI3K signaling product. Journal of Cell Biology, 2019, 218, 1066-1079.	2.3	93
41	Allosteres to regulate neurotransmitter sulfonation. Journal of Biological Chemistry, 2019, 294, 2293-2301.	1.6	12
42	Optochemical Control of Protein Localization and Activity within Cell-like Compartments. Biochemistry, 2018, 57, 2590-2596.	1.2	26
43	Optochemical Control of Biological Processes in Cells and Animals. Angewandte Chemie - International Edition, 2018, 57, 2768-2798.	7.2	331
44	Optochemische Steuerung biologischer VorgÃnge in Zellen und Tieren. Angewandte Chemie, 2018, 130, 2816-2848.	1.6	94
45	Reversible and Tunable Photoswitching of Protein Function through Genetic Encoding of Azobenzene Amino Acids in Mammalian Cells. ChemBioChem, 2018, 19, 2178-2185.	1.3	40
46	Computational design of chemogenetic and optogenetic split proteins. Nature Communications, 2018, 9, 4042.	5.8	75
47	Potent and Readily Accessible Bistramideâ€…A Analogues through Diverted Total Synthesis. Chemistry - A European Journal, 2018, 24, 16271-16275.	1.7	9
48	Cellâ€Lineage Tracing in Zebrafish Embryos with an Expanded Genetic Code. ChemBioChem, 2018, 19, 1244-1249.	1.3	22
49	Recent advances in the optical control of protein function through genetic code expansion. Current Opinion in Chemical Biology, 2018, 46, 99-107.	2.8	94
50	Small Molecule Inhibition of MicroRNA miR-21 Rescues Chemosensitivity of Renal-Cell Carcinoma to Topotecan. Journal of Medicinal Chemistry, 2018, 61, 5900-5909.	2.9	44
51	Genetic Code Expansion in Animals. ACS Chemical Biology, 2018, 13, 2375-2386.	1.6	77
52	Special Issue on Optochemical and Optogenetic Control of Cellular Processes. ChemBioChem, 2018, 19, 1198-1200.	1.3	7
53	Optical Control of DNA Helicase Function through Genetic Code Expansion. ChemBioChem, 2017, 18, 466-469.	1.3	19
54	Genetic Encoding of Photocaged Tyrosines with Improved Lightâ€Activation Properties for the Optical Control of Protease Function. ChemBioChem, 2017, 18, 1442-1447.	1.3	47

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55	Small Molecule Release and Activation through DNA Computing. Journal of the American Chemical Society, 2017, 139, 13909-13915.	6.6	47
56	Genetic Code Expansion in Zebrafish Embryos and Its Application to Optical Control of Cell Signaling. Journal of the American Chemical Society, 2017, 139, 9100-9103.	6.6	64
57	A Chemical Biology Approach to Reveal Sirt6-targeted Histone H3 Sites in Nucleosomes. ACS Chemical Biology, 2016, 11, 1973-1981.	1.6	78
58	Alcohol, Aldehyde, and Ketone Liberation and Intracellular Cargo Release through Peroxide-Mediated Î±-Boryl Ether Fragmentation. Journal of the American Chemical Society, 2016, 138, 13353-13360.	6.6	36
59	Genetically encoded optical activation of DNA recombination in human cells. Chemical Communications, 2016, 52, 8529-8532.	2.2	41
60	Small-molecule control of protein function through Staudinger reduction. Nature Chemistry, 2016, 8, 1027-1034.	6.6	95
61	Functional Analysis of Cortical Neuron Migration Using miRNA Silencing. Neuromethods, 2016, , 73-88.	0.2	0
62	Konditionale Kontrolle der CRISPR/Cas9â€Funktion. Angewandte Chemie, 2016, 128, 5482-5487.	1.6	5
63	Conditional Control of CRISPR/Cas9 Function. Angewandte Chemie - International Edition, 2016, 55, 5394-5399.	7.2	43
64	Daclatasvir inhibits hepatitis C virus NS5A motility and hyper-accumulation of phosphoinositides. Virology, 2015, 476, 168-179.	1.1	31
65	Optically Controlled Signal Amplification for DNA Computation. ACS Synthetic Biology, 2015, 4, 1064-1069.	1.9	14
66	Light-cleavable rapamycin dimer as an optical trigger for protein dimerization. Chemical Communications, 2015, 51, 5702-5705.	2.2	41
67	Conditional Control of Alternative Splicing through Light-Triggered Splice-Switching Oligonucleotides. Journal of the American Chemical Society, 2015, 137, 3656-3662.	6.6	43
68	Optical Control of CRISPR/Cas9 Gene Editing. Journal of the American Chemical Society, 2015, 137, 5642-5645.	6.6	220
69	Optically triggered immune response through photocaged oligonucleotides. Tetrahedron Letters, 2015, 56, 3639-3642.	0.7	19
70	Engineering a Bacterial Tape Recorder. ChemBioChem, 2015, 16, 1027-1029.	1.3	2
71	A concise synthesis of the Lycopodium alkaloid cermizine D. Tetrahedron Letters, 2015, 56, 3683-3685.	0.7	9
72	Aryl amide small-molecule inhibitors of microRNA miR-21 function. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4793-4796.	1.0	48

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73	Genetic Code Expansion of Mammalian Cells with Unnatural Amino Acids. Current Protocols in Chemical Biology, 2015, 7, 187-199.	1.7	2
74	Synthesis of Non-linear Protein Dimers through a Genetically Encoded Thiol-ene Reaction. PLoS ONE, 2014, 9, e105467.	1.1	12
75	Genetic Encoding of Caged Cysteine and Caged Homocysteine in Bacterial and Mammalian Cells. ChemBioChem, 2014, 15, 1793-1799.	1.3	50
76	Sequential Gene Silencing Using Wavelengthâ€Selective Caged Morpholino Oligonucleotides. Angewandte Chemie, 2014, 126, 10278-10282.	1.6	26
77	Interfacing Synthetic DNA Logic Operations with Protein Outputs. Angewandte Chemie - International Edition, 2014, 53, 13192-13195.	7.2	39
78	Intracellular Lightâ€Activation of Riboswitch Activity. ChemBioChem, 2014, 15, 1346-1351.	1.3	20
79	Optochemical Control of Deoxyoligonucleotide Function via a Nucleobase-Caging Approach. Accounts of Chemical Research, 2014, 47, 45-55.	7.6	126
80	Genetically Encoded Optochemical Probes for Simultaneous Fluorescence Reporting and Light Activation of Protein Function with Two-Photon Excitation. Journal of the American Chemical Society, 2014, 136, 15551-15558.	6.6	137
81	Sequential Gene Silencing Using Wavelengthâ€Selective Caged Morpholino Oligonucleotides. Angewandte Chemie - International Edition, 2014, 53, 10114-10118.	7.2	97
82	Genetically encoded unstrained olefins for live cell labeling with tetrazine dyes. Chemical Communications, 2014, 50, 13085-13088.	2.2	47
83	Two Rapid Catalyst-Free Click Reactions for In Vivo Protein Labeling of Genetically Encoded Strained Alkene/Alkyne Functionalities. Bioconjugate Chemistry, 2014, 25, 1730-1738.	1.8	59
84	Site-Specific Promoter Caging Enables Optochemical Gene Activation in Cells and Animals. Journal of the American Chemical Society, 2014, 136, 7152-7158.	6.6	44
85	Optical Control of Protein Function through Unnatural Amino Acid Mutagenesis and Other Optogenetic Approaches. ACS Chemical Biology, 2014, 9, 1398-1407.	1.6	83
86	Thiourea-Based Fluorescent Chemosensors for Aqueous Metal Ion Detection and Cellular Imaging. Journal of Organic Chemistry, 2014, 79, 6054-6060.	1.7	36
87	Modulating the pK_a of a Tyrosine in <i>KlenTaq</i> DNA Polymerase that Is Crucial for Abasic Site Bypass by in Vivo Incorporation of a Nonâ€canonical Amino Acid. ChemBioChem, 2014, 15, 1735-1737.	1.3	8
88	Control of Protein Function through Optochemical Translocation. ACS Synthetic Biology, 2014, 3, 731-736.	1.9	37
89	MicroRNA Targeting of CoREST Controls Polarization of Migrating Cortical Neurons. Cell Reports, 2014, 7, 1168-1183.	2.9	65
90	Optochemical Activation of Kinase Function in Live Cells. Methods in Molecular Biology, 2014, 1148, 31-43.	0.4	4

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91	Control of Oncogenic miRNA Function by Light-Activated miRNA Antagomirs. Methods in Molecular Biology, 2014, 1165, 99-114.	0.4	9
92	Cellular MicroRNA Sensors Based on Luciferase Reporters. Methods in Molecular Biology, 2014, 1095, 135-146.	0.4	4
93	Identification of Inhibitors of MicroRNA Function from Small Molecule Screens. Methods in Molecular Biology, 2014, 1095, 147-156.	0.4	17
94	Genetically Encoded Light-Activated Transcription for Spatiotemporal Control of Gene Expression and Gene Silencing in Mammalian Cells. Journal of the American Chemical Society, 2013, 135, 13433-13439.	6.6	83
95	Cellular Delivery and Photochemical Activation of Antisense Agents through a Nucleobase Caging Strategy. ACS Chemical Biology, 2013, 8, 2272-2282.	1.6	28
96	Oligonucleotides as targets and cellular probes. Bioorganic and Medicinal Chemistry, 2013, 21, 6099-6100.	1.4	0
97	Optochemical control of RNA interference in mammalian cells. Nucleic Acids Research, 2013, 41, 10518-10528.	6.5	76
98	DNA Computation in Mammalian Cells: MicroRNA Logic Operations. Journal of the American Chemical Society, 2013, 135, 10512-10518.	6.6	198
99	Small-Molecule Regulation of MicroRNA Function. , 2013, , 119-145.		0
100	MicroRNA miR-122 as a Therapeutic Target for Oligonucleotides and Small Molecules. Current Medicinal Chemistry, 2013, 20, 3629-3640.	1.2	32
101	A photoactivatable small-molecule inhibitor for light-controlled spatiotemporal regulation of Rho kinase in live embryos. Development (Cambridge), 2012, 139, 437-442.	1.2	29
102	DNA Computation: A Photochemically Controlled AND Gate. Journal of the American Chemical Society, 2012, 134, 3810-3815.	6.6	109
103	Spatiotemporal control of microRNA function using light-activated antagomirs. Molecular BioSystems, 2012, 8, 2987.	2.9	57
104	Light-controlled synthetic gene circuits. Current Opinion in Chemical Biology, 2012, 16, 292-299.	2.8	58
105	Genetically encoded norbornene directs site-specific cellular protein labelling via a rapid bioorthogonal reaction. Nature Chemistry, 2012, 4, 298-304.	6.6	424
106	Regulation of Transcription through Light-Activation and Light-Deactivation of Triplex-Forming Oligonucleotides in Mammalian Cells. ACS Chemical Biology, 2012, 7, 1247-1256.	1.6	63
107	Hydrogen Peroxide Induced Activation of Gene Expression in Mammalian Cells using Boronate Estrone Derivatives. Angewandte Chemie - International Edition, 2012, 51, 9066-9070.	7.2	12
108	High-Throughput Luciferase Reporter Assay for Small-Molecule Inhibitors of MicroRNA Function. Journal of Biomolecular Screening, 2012, 17, 822-828.	2.6	62

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109	Photocontrol of Tyrosine Phosphorylation in Mammalian Cells via Genetic Encoding of Photocaged Tyrosine. Journal of the American Chemical Society, 2012, 134, 11912-11915.	6.6	140
110	A photoactivatable small-molecule inhibitor for light-controlled spatiotemporal regulation of Rho kinase in live embryos. Journal of Cell Science, 2012, 125, e1-e1.	1.2	1
111	Activation and Deactivation of Antisense and RNA Interference Function with Light. , 2012, , 275-291.		1
112	Photochemical control of bacterial signal processing using a light-activated erythromycin. Molecular BioSystems, 2011, 7, 2554.	2.9	7
113	Light-Activated Kinases Enable Temporal Dissection of Signaling Networks in Living Cells. Journal of the American Chemical Society, 2011, 133, 2124-2127.	6.6	143
114	Genetically encoding an aliphatic diazirine for protein photocrosslinking. Chemical Science, 2011, 2, 480-483.	3.7	81
115	Stabilization and Photochemical Regulation of Antisense Agents through PEGylation. Bioconjugate Chemistry, 2011, 22, 2136-2142.	1.8	14
116	Light Regulation of Protein Dimerization and Kinase Activity in Living Cells Using Photocaged Rapamycin and Engineered FKBP. Journal of the American Chemical Society, 2011, 133, 420-423.	6.6	140
117	Photochemical Control of DNA Decoy Function Enables Precise Regulation of Nuclear Factor Î°B Activity. Journal of the American Chemical Society, 2011, 133, 13176-13182.	6.6	63
118	Synthesis of the Pyridine Core of Cyclothiazomycin. Organic Letters, 2011, 13, 4352-4355.	2.4	53
119	The Human Mitochondrial tRNAMet: Structure/Function Relationship of a Unique Modification in the Decoding of Unconventional Codons. Journal of Molecular Biology, 2011, 406, 257-274.	2.0	49
120	Efficacy of Câ€"N Coupling Reactions with a New Multinuclear Copper Complex Catalyst and Its Dissociation into Mononuclear Species. European Journal of Organic Chemistry, 2011, 2011, 4154-4159.	1.2	16
121	Lightâ€Activated Gene Editing with a Photocaged Zincâ€Finger Nuclease. Angewandte Chemie - International Edition, 2011, 50, 6839-6842.	7.2	44
122	Heterotaxin: A TGF-Î² Signaling Inhibitor Identified in a Multi-Phenotype Profiling Screen in Xenopus Embryos. Chemistry and Biology, 2011, 18, 252-263.	6.2	16
123	Principles and Applications of the Photochemical Control of Cellular Processes. ChemBioChem, 2010, 11, 47-53.	1.3	144
124	Small Molecule Modifiers of the microRNA and RNA Interference Pathway. AAPS Journal, 2010, 12, 51-60.	2.2	90
125	Recent advances in the photochemical control of protein function. Trends in Biotechnology, 2010, 28, 468-475.	4.9	117
126	Reversible Light Switching of Cell Signalling by Genetically Encoded Protein Dimerization. ChemBioChem, 2010, 11, 301-303.	1.3	4

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127	Photocaged T7 RNA Polymerase for the Light Activation of Transcription and Gene Function in Proâ€•and Eukaryotic Cells. ChemBioChem, 2010, 11, 972-977.	1.3	62
128	Activation and Deactivation of DNAzyme and Antisense Function with Light for the Photochemical Regulation of Gene Expression in Mammalian Cells. Journal of the American Chemical Society, 2010, 132, 6183-6193.	6.6	170
129	Small Molecule Modifiers of MicroRNA miR-122 Function for the Treatment of Hepatitis C Virus Infection and Hepatocellular Carcinoma. Journal of the American Chemical Society, 2010, 132, 7976-7981.	6.6	247
130	Photocaged Morpholino Oligomers for the Light-Regulation of Gene Function in Zebrafish and <i>Xenopus</i> Embryos. Journal of the American Chemical Society, 2010, 132, 15644-15650.	6.6	115
131	Photocleavable Polyethylene Glycol for the Light-Regulation of Protein Function. Bioconjugate Chemistry, 2010, 21, 1404-1407.	1.8	46
132	Total Synthesis of Cryptoacetalide. Journal of Organic Chemistry, 2010, 75, 5355-5358.	1.7	39
133	Tricyclic Alkaloid Core Structures Assembled by a Cyclotrimerizationâˆ'Coupled Intramolecular Nucleophilic Substitution Reaction. Organic Letters, 2010, 12, 1288-1291.	2.4	54
134	Improved Synthesis of the Two-Photon Caging Group 3-Nitro-2-Ethyldibenzofuran and Its Application to a Caged Thymidine Phosphoramidite. Organic Letters, 2010, 12, 916-919.	2.4	41
135	Expanding the Genetic Code of Yeast for Incorporation of Diverse Unnatural Amino Acids via a Pyrrolysyl-tRNA Synthetase/tRNA Pair. Journal of the American Chemical Society, 2010, 132, 14819-14824.	6.6	187
136	Site-Specific Incorporation of Fluorotyrosines into Proteins in <i>Escherichia coli</i> by Photochemical Disguise. Biochemistry, 2010, 49, 1557-1559.	1.2	38
137	Generating Permissive Site-Specific Unnatural Aminoacyl-tRNA Synthetases. Biochemistry, 2010, 49, 1667-1677.	1.2	89
138	Genetically Encoded Photocontrol of Protein Localization in Mammalian Cells. Journal of the American Chemical Society, 2010, 132, 4086-4088.	6.6	232
139	Restriction enzyme-free mutagenesis via the light regulation of DNA polymerization. Nucleic Acids Research, 2009, 37, e58-e58.	6.5	22
140	Open-Vessel Microwave-Mediated [2+2+2]-Cyclotrimerization Reactions. Synthesis, 2009, 2009, 3785-3790.	1.2	3
141	Photochemical Regulation of Restriction Endonuclease Activity. ChemBioChem, 2009, 10, 1612-1616.	1.3	23
142	A Lightâ€Activated DNA Polymerase. Angewandte Chemie - International Edition, 2009, 48, 5950-5953.	7.2	60
143	Light activation as a method of regulating and studying gene expression. Current Opinion in Chemical Biology, 2009, 13, 678-686.	2.8	114
144	Genetic Encoding and Labeling of Aliphatic Azides and Alkynes in Recombinant Proteins <i>via</i> a Pyrrolysyl-tRNA Synthetase/tRNA_{CUA} Pair and Click Chemistry. Journal of the American Chemical Society, 2009, 131, 8720-8721.	6.6	285

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145	Development of a Robust and High Throughput Method for Profiling N-Linked Glycans Derived from Plasma Glycoproteins by NanoLCâˆ'FTICR Mass Spectrometry. Journal of Proteome Research, 2009, 8, 3764-3770.	1.8	42
146	Light-Activated Cre Recombinase as a Tool for the Spatial and Temporal Control of Gene Function in Mammalian Cells. ACS Chemical Biology, 2009, 4, 441-445.	1.6	78
147	Light-activation of gene function in mammalian cells viaribozymes. Chemical Communications, 2009, , 568-570.	2.2	37
148	The effect of microwave irradiation on DNA hybridization. Organic and Biomolecular Chemistry, 2009, 7, 2506.	1.5	39
149	Lightâ€Regulated RNAâ€"Small Molecule Interactions. ChemBioChem, 2008, 9, 1225-1228.	1.3	58
150	Gene Silencing in Mammalian Cells with Lightâ€Activated Antisense Agents. ChemBioChem, 2008, 9, 2937-2940.	1.3	89
151	Smallâ€Molecule Inhibitors of MicroRNA miRâ€21 Function. Angewandte Chemie - International Edition, 2008, 47, 7482-7484.	7.2	398
152	Microwave-assisted synthesis of unnatural amino acids. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5478-5480.	1.0	17
153	A general approach to triphenylenes and azatriphenylenes: total synthesis of dehydrotylophorine and tylophorine. Chemical Communications, 2008, , 4750.	2.2	72
154	Light-triggered polymerase chain reaction. Chemical Communications, 2008, , 462-464.	2.2	56
155	A Cyclotrimerization Route to Cannabinoids. Organic Letters, 2008, 10, 2195-2198.	2.4	75
156	Phenanthridine synthesis via [2+2+2] cyclotrimerization reactions. Organic and Biomolecular Chemistry, 2008, 6, 263-265.	1.5	133
157	Light-activated deoxyguanosine: photochemical regulation of peroxidase activity. Molecular BioSystems, 2008, 4, 508.	2.9	40
158	Synthesis of Anthracene and Azaanthracene Fluorophores via [2+2+2] Cyclotrimerization Reactions. Organic Letters, 2008, 10, 4661-4664.	2.4	49
159	Microwave-Mediated Nickel-Catalyzed Cyclotrimerization Reactions:â€‰ Total Synthesis of Illudinine. Journal of Organic Chemistry, 2008, 73, 342-345.	1.7	62
160	Microwave Activation of Enzymatic Catalysis. Journal of the American Chemical Society, 2008, 130, 10048-10049.	6.6	103
161	Synthesis and investigation of the 5-formylcytidine modified, anticodon stem and loop of the human mitochondrial tRNAMet. Nucleic Acids Research, 2008, 36, 6548-6557.	6.5	50
162	Photochemical DNA Activation. Organic Letters, 2007, 9, 1903-1906.	2.4	110

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163	Photochemical control of biological processes. Organic and Biomolecular Chemistry, 2007, 5, 999-1005.	1.5	188
164	Microwave-Assisted Solid-Supported Alkyne Cyclotrimerization Reactions for Combinatorial Chemistry. ACS Combinatorial Science, 2007, 9, 735-738.	3.3	35
165	Synthesis of Indanones via Solid-Supported [2+2+2] Cyclotrimerization. Journal of Organic Chemistry, 2007, 72, 7801-7804.	1.7	43
166	Photochemical Activation of Protein Expression in Bacterial Cells. Angewandte Chemie - International Edition, 2007, 46, 4290-4292.	7.2	61
167	A General Approach to Chemo- and Regioselective Cyclotrimerization Reactions. Angewandte Chemie - International Edition, 2007, 46, 5187-5190.	7.2	110
168	General Strategy for the Syntheses of Corynanthe, Tacaman, and Oxindole Alkaloids. Journal of Organic Chemistry, 2006, 71, 6547-6561.	1.7	102
169	Conditional Transgene and Gene Targeting Methodologies in Zebrafish. Zebrafish, 2006, 3, 415-429.	0.5	24
170	Photochemical hammerhead ribozyme activation. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2658-2661.	1.0	47
171	Pyridines via solid-supported [2 + 2 + 2] cyclotrimerization. Chemical Communications, 2006, , 1313.	2.2	48
172	Solid-Supported [2+2+2] Cyclotrimerizations. Chemistry - A European Journal, 2006, 12, 5563-5568.	1.7	47
173	A Genetically Encoded Photocaged Tyrosine. Angewandte Chemie - International Edition, 2006, 45, 2728-2731.	7.2	183
174	A New Photocaging Group for Aromatic N-Heterocycles. Synthesis, 2006, 2006, 2147-2150.	1.2	20
175	A genetically encoded fluorescent amino acid. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9785-9789.	3.3	243
176	In vivo incorporation of an alkyne into proteins in Escherichia coli. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1521-1524.	1.0	164
177	Site-Specific in vivo Labeling of Proteins for NMR Studies. ChemBioChem, 2005, 6, 55-58.	1.3	30
178	Synthesis of Oxygen- and Nitrogen-Containing Heterocycles by Ring-Closing Metathesis. Chemical Reviews, 2004, 104, 2199-2238.	23.0	1,275
179	Site-specific PEGylation of proteins containing unnatural amino acids. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5743-5745.	1.0	250
180	Synthesis of Oxygen- and Nitrogen-Containing Heterocycles by Ring-Closing Metathesis. ChemInform, 2004, 35, no.	0.1	1

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181	A Genetically Encoded Photocaged Amino Acid. Journal of the American Chemical Society, 2004, 126, 14306-14307.	6.6	263
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