

Photochemical Reactions as Key Steps in Natural Produ

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis of natural products based on photochemical key transformations. <i>Pure and Applied Chemistry</i> , 1986, 58, 1233-1238.	0.9	23
2	Arene-alkene cycloadditions and organic synthesis. <i>Pure and Applied Chemistry</i> , 1990, 62, 1597-1602.	0.9	82
3	Photocyclization-fragmentation route to di- and triquinanes: Stereocontrolled asymmetric synthesis of (-)-isocomene. <i>Pure and Applied Chemistry</i> , 1996, 68, 675-678.	0.9	13
4	Asymmetric synthesis of highly functionalized cyclopentanes by a rhodium- and scandium-catalyzed five-step domino sequence. <i>Chemical Science</i> , 2011, 2, 2378.	3.7	54
5	Competitive photocyclization/rearrangement of 4-aryl-1,1-dicyanobutenes controlled by intramolecular charge-transfer interaction. Effect of medium polarity, temperature, pressure, excitation wavelength, and confinement. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1405-1414.	1.6	13
6	A Photocycloaddition/Fragmentation Approach toward the 3,12-Dioxatricyclo[8.2.1.0 ^{6,13}]tridecane Skeleton of Terpenoid Natural Products. <i>Organic Letters</i> , 2011, 13, 1892-1895.	2.4	16
7	On the Regioselectivity of the Intramolecular [2 + 2]-Photocycloaddition of Alk-3-enyl Tetronates. <i>Journal of Organic Chemistry</i> , 2011, 76, 5924-5935.	1.7	18
8	Unprecedented influence of remote substituents on reactivity and stereoselectivity in Cu(i)-catalysed [2 + 2] photocycloaddition. An approach towards the synthesis of tricycloclavulone. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4903.	1.5	14
9	Recent Advances in Microflow Photochemistry. <i>Molecules</i> , 2011, 16, 7522-7550.	1.7	171
10	Total synthesis of hyacinthacine A2: stereocontrolled 5-aza-cyclooctene photoisomerization and transannular hydroamination with planar-to-point chirality transfer. <i>Chemical Science</i> , 2011, 2, 2162.	3.7	41
11	Microphotochemistry: 4,4'-Dimethoxybenzophenone mediated photodecarboxylation reactions involving phthalimides. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1055-1063.	1.3	32
12	Continuous flow photolysis of aryl azides: Preparation of 3 <i>H</i> -azepinones. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1124-1129.	1.3	73
13	Photochemical Electron Transfer Mediated Addition of Naphthylamine Derivatives to Electron-Deficient Alkenes. <i>Journal of Organic Chemistry</i> , 2011, 76, 7104-7118.	1.7	26
14	Intramolecular Butenolide Allene Photocycloadditions and Ensuing Retroene Reactions of Some Photoadducts. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3146-3155.	1.2	23
18	An Expedient Synthesis of a Functionalized Core Structure of Bielschowskysin. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5149-5152.	7.2	42
19	Intramolecular [2+2] Photocycloaddition of Substituted Isoquinolones: Enantioselectivity and Kinetic Resolution Induced by a Chiral Template. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8416-8419.	7.2	45
20	Total Synthesis of (+)-Gliocladin...C Enabled by Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9655-9659.	7.2	250
22	Recent developments in syntheses of the post-secodine indole alkaloids. Part III: Rearranged alkaloid types. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 2023-2083.	1.0	30

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23	Diastereoselective [2+2] Photocycloaddition of a Chiral Cyclohexenone with Ethylene in a Continuous Flow Microcapillary Reactor. <i>Journal of Flow Chemistry</i> , 2012, 2, 73-76.	1.2	38
24	Interconversion of the Pallambins through Photoinduced Rearrangement. <i>Organic Letters</i> , 2012, 14, 5624-5627.	2.4	16
25	Directed Metalation; Cross-Coupling Strategies. Total Syntheses of the Alleged and the Revised Phenanthrene Natural Product Gymnopusin. <i>Helvetica Chimica Acta</i> , 2012, 95, 2680-2694.	1.0	12
26	Photochemistry of aromatic compounds. <i>Photochemistry</i> , 0, , 106-145.	0.2	0
27	3.7 Acetogenin (Polypropionate) Derived Auxillaries: Hydroxyacids. , 2012, , 202-213.		0
28	A facile and highly atom-economic approach to biaryl-containing medium-ring bislactones. <i>Chemical Communications</i> , 2012, 48, 1168-1170.	2.2	22
29	Homogeneous Photocatalytic Reactions with Organometallic and Coordination Compounds—Perspectives for Sustainable Chemistry. <i>ChemSusChem</i> , 2012, 5, 352-371.	3.6	119
30	Phenanthrene Synthesis by Eosin Y-Catalyzed, Visible Light-Induced [4+2]-Benzannulation of Biaryldiazonium Salts with Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3195-3199.	2.1	132
33	A Chiral Dicationic [8]Circulene: Photochemical Origin and Facile Thermal Conversion into a Helicene Congener. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11972-11976.	7.2	21
34	Photooxygenations in a bubble column reactor. <i>Green Chemistry</i> , 2012, 14, 888.	4.6	47
35	Total synthesis of (+)-chloranthalactone F. <i>Chemical Communications</i> , 2012, 48, 3530.	2.2	52
36	Photocatalytic [2 + 2] Cycloadditions of Enones with Cleavable Redox Auxiliaries. <i>Organic Letters</i> , 2012, 14, 1110-1113.	2.4	115
37	Diastereodifferentiating [2+2] photocycloaddition of chiral cyclohexenone carboxylates with cyclopentene by a microreactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 242, 13-19.	2.0	29
38	Application of the Rodriguez-Pattenden Photo-Ring Contraction: Total Synthesis and Configurational Reassignment of 11-Gorgiacerol and 11-Epigorgiacerol. <i>Organic Letters</i> , 2012, 14, 2834-2837.	2.4	34
40	Total Synthesis of (±)-Radifenin. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9825-9828.	7.2	63
42	Crossed intermolecular [2 + 2] cycloaddition of styrenes by visible light photocatalysis. <i>Chemical Science</i> , 2012, 3, 2807.	3.7	169
43	Application of Microflow Conditions to Visible Light Photoredox Catalysis. <i>Organic Letters</i> , 2012, 14, 2658-2661.	2.4	167
44	Using photolabile protecting groups for the controlled release of bioactive volatiles. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 446-459.	1.6	59

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45	Functionally Diverse Nucleophilic Trapping of Iminium Intermediates Generated Utilizing Visible Light. <i>Organic Letters</i> , 2012, 14, 94-97.	2.4	353
46	Organische Chemie 2011. <i>Nachrichten Aus Der Chemie</i> , 2012, 60, 265-299.	0.0	1
47	Enhanced Photochemical [6 π] Electrocyclization within the Lipophilic Protein Binding Site. <i>Organic Letters</i> , 2012, 14, 1788-1791.	2.4	14
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53	An Efficient Flow-Photochemical Synthesis of 5-Hydroxy-Furanones Leads to an Understanding of Torquoselectivity in Cyclobutenone Rearrangements. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4405-4408.	7.2	53
54	A Novel Approach to the Pyridoacridine Ring System: Synthesis of the Topoisomerase Inhibitor 13-Deazaascididemin. <i>Archiv Der Pharmazie</i> , 2012, 345, 822-826.	2.1	10
55	Intramolecular [2+2] Photocycloaddition Reactions as an Entry to the 2-Oxatricyclo[4.2.1.0.4,9]nonan-3-one Skeleton of Lactiflorin. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1947-1958.	1.7	11
56	Highlights of Photochemical Reactions in Microflow Reactors. <i>Chemical Engineering and Technology</i> , 2012, 35, 1144-1152.	0.9	169
57	Enantioselective Intramolecular [2+2] Photocycloaddition Reactions of 4-Substituted Coumarins Catalyzed by a Chiral Lewis Acid. <i>Chemistry - A European Journal</i> , 2012, 18, 7552-7560.	1.7	69
58	Recent advances in the total synthesis of cyclopropane-containing natural products. <i>Chemical Society Reviews</i> , 2012, 41, 4631.	18.7	473
59	Evaluation of a flow-photochemistry platform for the synthesis of compact modules. <i>Tetrahedron Letters</i> , 2012, 53, 1363-1366.	0.7	39
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62	Total Synthesis of (+)-Lactiflorin by an Intramolecular [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1261-1264.	7.2	39
63	Diastereoselective [2 + 2] Photocycloaddition of Cyclohexenone Derivative with Olefins in Supercritical Carbon Dioxide. <i>Journal of Organic Chemistry</i> , 2013, 78, 7186-7193.	1.7	8
64	Efficient [2+2] photocycloadditions under equimolar conditions by employing a continuous UV-flow reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 259, 41-46.	2.0	29
65	Total Synthesis of (±)-Anislactone A and (±)-Merrilactone A. <i>Strategies and Tactics in Organic Synthesis</i> , 2013, 9, 105-147.	0.1	1

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66	Photochemical activity of a key donor-acceptor complex can drive stereoselective catalytic α -alkylation of aldehydes. <i>Nature Chemistry</i> , 2013, 5, 750-756.	6.6	530
67	Shedding light on Brønsted acid catalysis – a photocyclization-reduction reaction for the asymmetric synthesis of tetrahydroquinolines from aminochalcones in batch and flow. <i>Chemical Communications</i> , 2013, 49, 7953.	2.2	63
68	Visible Light-Promoted Metal-Free C-H Activation: Diarylketone-Catalyzed Selective Benzylic Mono- and Difluorination. <i>Journal of the American Chemical Society</i> , 2013, 135, 17494-17500.	6.6	471
69	Enantioselective Lewis Acid Catalysis of Intramolecular Enone [2+2] Photocycloaddition Reactions. <i>Science</i> , 2013, 342, 840-843.	6.0	296
70	Stereocontrolled Synthesis and Functionalization of Cyclobutanes and Cyclobutanones. <i>Molecules</i> , 2013, 18, 15541-15572.	1.7	86
71	Diastereoselective [2+2] Photocycloaddition of Chiral Cyclic Enones with Olefins in Aqueous Media Using Surfactants. <i>Molecules</i> , 2013, 18, 1626-1637.	1.7	5
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73	Continuous synthesis of pyridocarbazoles and initial photophysical and bioprobe characterization. <i>Chemical Science</i> , 2013, 4, 4067.	3.7	14
74	Complexity from Simplicity: Tricyclic Aziridines from the Rearrangement of Pyrroles by Batch and Flow Photochemistry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1499-1502.	7.2	77
75	Visible-Light-Induced Reversible Complexation Mediated Living Radical Polymerization of Methacrylates with Organic Catalysts. <i>Macromolecules</i> , 2013, 46, 96-102.	2.2	159
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78	Tandem Dienone Photorearrangement-Cycloaddition for the Rapid Generation of Molecular Complexity. <i>Journal of the American Chemical Society</i> , 2013, 135, 17978-17982.	6.6	38
79	Conformationally restricted pyrrolidines by intramolecular [2+2] photocycloaddition reactions. <i>Chemical Communications</i> , 2013, 49, 2989.	2.2	16
80	Photoinduced H-Abstraction in Homo- and Protoadamantylphthalimide Derivatives in Solution and in Organized and Constrained Media. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 929-938.	1.2	7
81	Syntheses of Taiwaniaquinone F and Taiwaniaquinol A via an Unusual Remote C-H Functionalization. <i>Organic Letters</i> , 2013, 15, 1390-1393.	2.4	53
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83	Approach for Expanding Triterpenoid Complexity via Divergent Norrish-Yang Photocyclization. <i>Journal of Organic Chemistry</i> , 2013, 78, 3821-3831.	1.7	21
84	Visible Light Photocatalysis: The Development of Photocatalytic Radical Ion Cycloadditions. <i>ACS Catalysis</i> , 2013, 3, 895-902.	5.5	258

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85	Photochemical transformation of a 1,2-dihydropyridin-3-one: an original tandem retro-[4+2]/[2+2] cycloaddition process. <i>Tetrahedron Letters</i> , 2013, 54, 2825-2827.	0.7	2
86	Enantioselective Synthesis of Cyclobutanes via Sequential Rh-catalyzed Bicyclobutanation/Cu-catalyzed Homoconjugate Addition. <i>Journal of the American Chemical Society</i> , 2013, 135, 9283-9286.	6.6	94
87	Toward the ideal synthesis and transformative therapies: the roles of step economy and function oriented synthesis. <i>Tetrahedron</i> , 2013, 69, 7529-7550.	1.0	101
88	Stereoselective cross aldol condensation of bicyclo[3.2.0]alkanones. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4025.	1.5	3
89	Photoinduced Reactions of para-Quinones with Bicyclopropylidene Leading to Diverse Polycyclic Compounds with Spirocyclopropanes. <i>Journal of Organic Chemistry</i> , 2013, 78, 6211-6222.	1.7	21
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91	Tetraalkylammonium-Templated Stereoselective Norrish-Yang Cyclization. <i>Organic Letters</i> , 2013, 15, 5994-5997.	2.4	28
92	Spatially Controlled Surface Immobilization of Nonmodified Peptides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9714-9718.	7.2	30
94	Microflow photochemistry: UVC-induced [2 + 2]-photoadditions to furanone in a microcapillary reactor. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2015-2021.	1.3	21
95	Photochemically Induced Proton Transfers Reactions. , 2014, , .		1
96	Microflow Photochemistry: Photodecarboxylations in Microformats. <i>Processes</i> , 2014, 2, 158-166.	1.3	9
98	Silver(I)-Catalyzed Ring-Contractive Rearrangement: A New Entry to 5-Alkylidene-2-cyclopentenones. <i>Organic Letters</i> , 2014, 16, 6378-6381.	2.4	14
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102	Selective Bromination of sp^3 C-H Bonds by Organophotoredox Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 536-544.	1.3	44
103	Light-Mediated Total Synthesis of 17-Deoxyprovidencin. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3859-3862.	7.2	29
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111	Enantioselective Catalysis of the Intermolecular [2+2] Photocycloaddition between 2-Pyridones and Acetylenedicarboxylates. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7661-7664.	7.2	142
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117	Light-mediated, palladium-catalyzed cyclizations of unactivated 1,6-dienes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 919-923.	2.3	2
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119	Phenazinium Salt-Catalyzed Aerobic Oxidative Amidation of Aromatic Aldehydes. <i>Organic Letters</i> , 2014, 16, 5812-5815.	2.4	98
120	Palladium-catalyzed [2+1+1] annulation of norbornenes with (<i>z</i>)-bromostyrenes: synthesis of bismethylenecyclobutanes via twofold C(sp ²)–H bond activation. <i>Chemical Communications</i> , 2014, 50, 15726-15729.	2.2	14
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122	Fast and Efficient [2 + 2] UV Cycloaddition for Polymer Modification via Flow Synthesis. <i>Macromolecules</i> , 2014, 47, 5578-5585.	2.2	34
123	Direct Photocatalysis for Organic Synthesis by Using Plasmonic–Metal Nanoparticles Irradiated with Visible Light. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3046-3064.	1.7	95
124	Green Photochemical Processes and Technologies for Research & Development, Scale-up and Chemical Production. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 743-748.	0.8	19

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126	Catalytic asymmetric reactions in alkaloid and terpenoid syntheses. Tetrahedron Letters, 2014, 55, 5109-5118.	0.7	11
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129	Photochemical Transformations Accelerated in Continuous-Flow Reactors: Basic Concepts and Applications. Chemistry - A European Journal, 2014, 20, 10562-10589.	1.7	416
130	The Photo-Nazarov Reaction: Scope and Application. Chemistry - A European Journal, 2014, 20, 8677-8681.	1.7	40
131	[2+2] Cycloaddition of 1,3-dienes by Visible Light Photocatalysis. Angewandte Chemie - International Edition, 2014, 53, 8991-8994.	7.2	146
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144	Contrasting Behaviour of Exciplex Ensembles in the Diastereodifferentiating PaternÅ ² Å ^{1/4} chi Reaction of Chiral Cyanobenzoate with Naphthyl- and Phenylethenes on Direct or Charge-Transfer Excitation. Australian Journal of Chemistry, 2015, 68, 1693.	0.5	7
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148	Controlled Photocatalytic Aerobic Oxidation of Thiols to Disulfides in an Energy-Efficient Photomicroreactor. <i>Chemical Engineering and Technology</i> , 2015, 38, 1733-1742.	0.9	29
149	Photocyclodehydrofluorination. <i>Chemistry - A European Journal</i> , 2015, 21, 15534-15539.	1.7	61
150	[2+2] Photocycloaddition of Cinnamates in Flow and Development of a Thiourea Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11521-11525.	7.2	66
151	Remazol-Catalyzed Hydroperoxyarylation of Styrenes. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1618-1621.	1.7	25
152	Cyclobutane and Cyclobutene Synthesis: Catalytic Enantioselective [2+2] Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11918-11928.	7.2	244
153	Selective Photocatalytic C-C Coupling of Bioethanol into 2,3-Butanediol over Pt-Decorated Hydroxyl-Group-Tunable TiO ₂ Photocatalysts. <i>ChemCatChem</i> , 2015, 7, 2384-2390.	1.8	18
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158	Influence of Fluorine Substitution on the Unusual Solid-State [2 + 2] Photo-Cycloaddition Reaction between an Olefin and an Aromatic Ring. <i>Crystal Growth and Design</i> , 2015, 15, 4055-4061.	1.4	30
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