List of Publications by Year in descending order

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	76326	82547
5,762	40	72
citations	h-index	g-index
131	131	5574
docs citations	times ranked	citing authors
	5,762 citations 131 docs citations	5,762 40 citations h-index 131 131 docs citations 131 times ranked

#	Article	IF	CITATIONS
1	Sustainable plasma polymer encapsulation materials for organic solar cells. Journal of Materials Chemistry A, 2022, 10, 4683-4694.	10.3	9
2	Synthesis and Investigation of Flavanone Derivatives as Potential New Anti-Inflammatory Agents. Molecules, 2022, 27, 1781.	3.8	7
3	Methyl Oleate Synthesis by TiO <sub>2</sub> Photocatalytic Esterification of Oleic Acid: Optimisation by Response Surface Quadratic Methodology, Reaction Kinetics and Thermodynamics. ChemPhotoChem, 2022, 6, .	3.0	9
4	Inorganic nanoparticles to overcome efficiency inhibitors of organic photovoltaics: An in-depth review. Renewable and Sustainable Energy Reviews, 2022, 166, 112661.	16.4	10
5	Solar Photooxygenations for the Manufacturing of Fine Chemicals—Technologies and Applications. Molecules, 2021, 26, 1685.	3.8	8
6	Process Parameters in the Electrochemical Reduction of Carbon Dioxide to Ethylene. ChemBioEng Reviews, 2021, 8, 149-188.	4.4	7
7	<i>Corymbia citriodora</i> : A Valuable Resource from Australian Flora for the Production of Fragrances, Repellents, and Bioactive Compounds. ChemBioEng Reviews, 2020, 7, 170-192.	4.4	5
8	Impact of ultraviolet radiation on the performance of polymer electrolyte membrane. Journal of Solid State Electrochemistry, 2020, 24, 1217-1229.	2.5	6
9	The effects of ultraviolet radiation and climate on oil toxicity to coral reef organisms – A review. Science of the Total Environment, 2020, 720, 137486.	8.0	30
10	Drinking water quality in regional Hunter New England, New South Wales, Australia, 2001-2015. Australian Journal of Water Resources, 2020, 24, 73-83.	2.7	2
11	Continuous-Flow Photochemical Transformations of 1,4-Naphthoquinones and Phthalimides in a Concentrating Solar Trough Reactor. Australian Journal of Chemistry, 2020, 73, 1149.	0.9	1
12	Corrigendum to: Continuous-Flow Photochemical Transformations of 1,4-Naphthoquinones and Phthalimides in a Concentrating Solar Trough Reactor. Australian Journal of Chemistry, 2020, 73, 1301.	0.9	1
13	Characterization and evaluation of Nafion HP JP as proton exchange membrane: transport properties, nanostructure, morphology, and cell performance. Journal of Solid State Electrochemistry, 2019, 23, 2639-2656.	2.5	16
14	Sensitivity of live microalgal aquaculture feed to singlet oxygen-based photodynamic therapy. Journal of Applied Phycology, 2019, 31, 3593-3606.	2.8	2
15	Improving drinking water safety in recreational parks through policy changes and regulatory support in the Hunter New England region, NSW, Australia. Australasian Journal of Environmental Management, 2019, 26, 386-406.	1.1	2
16	Continuous Flow Photochemical and Thermal Multi-Step Synthesis of Bioactive 3-Arylmethylene-2,3-Dihydro-1H-Isoindolin-1-Ones. Molecules, 2019, 24, 4527.	3.8	8
17	Rapid Photochemical Reaction Studies under Continuous-flow Conditions in the Vapourtec UV-150 Reactor - A Technical Note. Current Organic Chemistry, 2019, 22, 2501-2508.	1.6	5
18	Photochemical synthesis of cyclic peptide models from phthalimido acetamides and phthaloyl dipeptide esters. Tetrahedron Letters, 2018, 59, 1427-1430.	1.4	6

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19	Visible-light photooxygenation of α-terpinene in a falling film microreactor. Catalysis Today, 2018, 308, 102-118.	4.4	32
20	Oxidant or Catalyst for Oxidation? A Study of How Structure and Disorder Change the Selectivity for Direct versus Catalytic Oxidation Mediated by Manganese(III,IV) Oxides. Chemistry of Materials, 2018, 30, 8244-8256.	6.7	19
21	Photooxygenation in an advanced led-driven flow reactor module: Experimental investigations and modelling. Chemical Engineering and Processing: Process Intensification, 2018, 130, 214-228.	3.6	25
22	Advanced oxidation process-mediated removal of pharmaceuticals from water: A review. Journal of Environmental Management, 2018, 219, 189-207.	7.8	827
23	Recent Advances in Photodecarboxylations Involving Phthalimides. Australian Journal of Chemistry, 2018, 71, 634.	0.9	12
24	Capacity of cationic and anionic porphyrins to inactivate the potential aquaculture pathogen Vibrio campbellii. Aquaculture, 2017, 473, 228-236.	3.5	6
25	Photostability of plasma polymerized γ-terpinene thin films for encapsulation of OPV. Scientific Reports, 2017, 7, 45599.	3.3	27
26	Sustainable water treatment in aquaculture - photolysis and photodynamic therapy for the inactivation of <i>Vibrio</i> species. Aquaculture Research, 2017, 48, 2954-2962.	1.8	15
27	The photodecarboxylative addition of carboxylates to phthalimides as a key-step in the synthesis of biologically active 3-arylmethylene-2,3-dihydro-1 <i>H</i> isoindolin-1-ones. Beilstein Journal of Organic Chemistry, 2017, 13, 2833-2841.	2.2	13
28	Photodecarboxylations in an Advanced Mesoâ€Scale Continuousâ€Flow Photoreactor. Chemical Engineering and Technology, 2016, 39, 81-87.	1.5	27
29	New Trends in Photochemical Engineering and Technologies. Chemical Engineering and Technology, 2016, 39, 12-12.	1.5	3
30	Solar Photochemical Synthesis: From the Beginnings of Organic Photochemistry to the Solar Manufacturing of Commodity Chemicals. Chemical Reviews, 2016, 116, 9664-9682.	47.7	200
31	Solar photolysis versus TiO2-mediated solar photocatalysis: a kinetic study of the degradation of naproxen and diclofenac in various water matrices. Environmental Science and Pollution Research, 2016, 23, 17437-17448.	5.3	34
32	Studies in organic and physical photochemistry – an interdisciplinary approach. Organic and Biomolecular Chemistry, 2016, 14, 7392-7442.	2.8	69
33	Continuous-flow photochemistry: A need for chemical engineering. Chemical Engineering and Processing: Process Intensification, 2016, 104, 120-132.	3.6	109
34	International Year of Light and Light-Based Technologies. Australian Journal of Chemistry, 2015, 68, 1619.	0.9	2
35	Photochemically induced radical reactions with furanones. Pure and Applied Chemistry, 2015, 87, 569-582.	1.9	11
36	Photodecarboxylative Benzylations of N-Methoxyphthalimide under Batch and Continuous-Flow Conditions. Australian Journal of Chemistry, 2015, 68, 1662.	0.9	10

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37	TiO2 photocatalysis of naproxen: Effect of the water matrix, anions and diclofenac on degradation rates. Chemosphere, 2015, 139, 579-588.	8.2	113
38	UV-induced photocatalytic degradation of aqueous acetaminophen: the role of adsorption and reaction kinetics. Environmental Science and Pollution Research, 2015, 22, 2219-2230.	5.3	31
39	Titanium dioxide/zeolite integrated photocatalytic adsorbents for the degradation of amoxicillin. Applied Catalysis B: Environmental, 2015, 166-167, 45-55.	20.2	161
40	Influence of Titanium Dioxide Particle Size on the Photostability of the Chemical UV-Filters Butyl Methoxy Dibenzoylmethane and Octocrylene in a Microemulsion. Cosmetics, 2014, 1, 128-139.	3.3	34
41	Microflow Photochemistry—Photodecarboxylations in Microformats. Processes, 2014, 2, 158-166.	2.8	9
42	The Applied and Green Photochemistry research group at James Cook University in Townsville, Australia. Green Processing and Synthesis, 2014, 3, 163-165.	3.4	6
43	Photolysis and TiO2-catalysed degradation of diclofenac in surface and drinking water using circulating batch photoreactors. Environmental Chemistry, 2014, 11, 51.	1.5	38
44	Immobilized Organic Photosensitizers with Versatile Reactivity for Various Visible‣ight Applications. Photochemistry and Photobiology, 2014, 90, 358-368.	2.5	13
45	Titanium dioxide photocatalysis for pharmaceutical wastewater treatment. Environmental Chemistry Letters, 2014, 12, 27-47.	16.2	287
46	Synthesis, molecular docking studies, and in vitro screening of barbiturates/thiobarbiturates as antibacterial and cholinesterase inhibitors. Medicinal Chemistry Research, 2014, 23, 2715-2726.	2.4	5
47	From 'Lab & Light on a Chip' to Parallel Microflow Photochemistry. Australian Journal of Chemistry, 2014, 67, 337.	0.9	31
48	Green Photochemical Processes and Technologies for Research & Development, Scaleâ€up and Chemical Production. Journal of the Chinese Chemical Society, 2014, 61, 743-748.	1.4	19
49	Wetting, Solubility and Chemical Characteristics of Plasma-Polymerized 1-Isopropyl-4-Methyl-1,4-Cyclohexadiene Thin Films. Coatings, 2014, 4, 527-552.	2.6	28
50	Butyl Methoxy Dibenzoylmethane. Profiles of Drug Substances, Excipients and Related Methodology, 2013, 38, 87-111.	8.0	18
51	HPLC Method for the Simultaneous Determination of the UV-Filters Butyl Methoxy Dibenzoylmethane and Octocrylene in the Presence of Their Photodegradants. Chromatographia, 2013, 76, 1721-1727.	1.3	6
52	Visible-light photosensitized oxidation of α-terpinene using novel silica-supported sensitizers: Photooxygenation vs. photodehydrogenation. Journal of Catalysis, 2013, 303, 164-174.	6.2	44
53	Heterogeneous Photocatalysis for Pharmaceutical Wastewater Treatment. Environmental Chemistry for A Sustainable World, 2013, , 69-133.	0.5	9
54	Microflow photochemistry: UVC-induced [2 + 2]-photoadditions to furanone in a microcapillary reactor. Beilstein Journal of Organic Chemistry, 2013, 9, 2015-2021.	2.2	21

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55	Microflow Photochemistry - Acetone sensitized Addition of Isopropanol to (5R)-5-Menthyloxy-2-(5H)-furanone. Rapid Communication in Photoscience, 2013, 2, 68-71.	0.1	3
56	Diastereoselective [2+2] Photocycloaddition of a Chiral Cyclohexenone with Ethylene in a Continuous Flow Microcapillary Reactor. Journal of Flow Chemistry, 2012, 2, 73-76.	1.9	38
57	Synthesis of Juglone (5-Hydroxy-1,4-Naphthoquinone) in a Falling Film Microreactor. Journal of Flow Chemistry, 2012, 2, 52-55.	1.9	43
58	Parallel Microflow Photochemistry: Process Optimization, Scale-up, and Library Synthesis. Organic Letters, 2012, 14, 4342-4345.	4.6	88
59	Microflow photochemistry—a reactor comparison study using the photochemical synthesis of terebic acid as a model reaction. Tetrahedron Letters, 2012, 53, 5578-5581.	1.4	32
60	Photooxygenations in a bubble column reactor. Green Chemistry, 2012, 14, 888.	9.0	47
61	Photodecarboxylative addition of carboxylates to phthalimides: a concise access to biologically active 3-(alkyl and aryl)methylene-1H-isoindolin-1-ones. Tetrahedron Letters, 2012, 53, 5573-5577.	1.4	44
62	Highlights of Photochemical Reactions in Microflow Reactors. Chemical Engineering and Technology, 2012, 35, 1144-1152.	1.5	169
63	Photocatalytic activity of a porphyrin/TiO2 composite in the degradation of pharmaceuticals. Applied Catalysis B: Environmental, 2012, 119-120, 156-165.	20.2	73
64	Photostability of sunscreens. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2012, 13, 91-110.	11.6	186
65	Synthesis, structural characterization and photoisomerization of cyclic stilbenes. Tetrahedron, 2012, 68, 4048-4056.	1.9	19
66	A SPE-LC-MS/MS Method for the Detection of Low Concentrations of Pharmaceuticals in Industrial Waste Streams. Analytical Letters, 2011, 44, 2808-2820.	1.8	4
67	Microphotochemistry: a reactor comparison study using the photosensitized addition of isopropanol to furanones as a model reaction. Photochemical and Photobiological Sciences, 2011, 10, 1399-1404.	2.9	49
68	On the adsorption/photodegradation of amoxicillin in aqueous solutions by an integrated photocatalytic adsorbent (IPCA): experimental studies and kinetics analysis. Photochemical and Photobiological Sciences, 2011, 10, 1014-1022.	2.9	48
69	Direct Photooxidation and Xanthene-Sensitized Oxidation of Naphthols: Quantum Yields and Mechanism. Journal of Physical Chemistry A, 2011, 115, 280-285.	2.5	16
70	Recent Advances in Microflow Photochemistry. Molecules, 2011, 16, 7522-7550.	3.8	171
71	Microphotochemistry: 4,4'-Dimethoxybenzophenone mediated photodecarboxylation reactions involving phthalimides. Beilstein Journal of Organic Chemistry, 2011, 7, 1055-1063.	2.2	32
72	Photoinduced electron transfer cyclizations of aryl-linked phthalimides. Tetrahedron Letters, 2011, 52, 5029-5031.	1.4	17

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73	Photodegradation of Famotidine by Integrated Photocatalytic Adsorbent (IPCA) and Kinetic Study. Catalysis Letters, 2011, 141, 300-308.	2.6	31
74	Photosensitized addition of isopropanol to furanones in a continuous-flow dual capillary microreactor. Tetrahedron Letters, 2011, 52, 278-280.	1.4	44
75	Synthetic photochemistry of naphthalimides and related compounds. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2010, 11, 210-244.	11.6	33
76	Photodecarboxylative additions of N-protected α-amino acids to N-methylphthalimide. Tetrahedron Letters, 2010, 51, 3639-3641.	1.4	21
77	Photodecarboxylative benzylations of phthalimide in pH 7 buffer: a simple access to 3-arylmethyleneisoindolin-1-ones. Tetrahedron Letters, 2010, 51, 4738-4741.	1.4	46
78	Photodecarboxylative Additions of α-Thioalkyl-Substituted Carboxylates to Alkyl Phenylglyoxylates. Synlett, 2010, 2010, 2240-2243.	1.8	5
79	From Conventional to Microphotochemistry: Photodecarboxylation Reactions Involving Phthalimides. Organic Letters, 2010, 12, 5170-5173.	4.6	77
80	Photosensitized addition of isopropanol to furanones in a 365 nm UV-LED microchip. Photochemical and Photobiological Sciences, 2010, 9, 1601-1603.	2.9	50
81	Green photochemistry: the use of microemulsions as green media in photooxygenation reactions. Green Chemistry, 2010, 12, 1544.	9.0	17
82	Studies on the Adsorption and Kinetics of Photodegradation of Pharmaceutical Compound, Indomethacin Using Novel Photocatalytic Adsorbents (IPCAs). Industrial & Engineering Chemistry Research, 2010, 49, 11302-11309.	3.7	59
83	Sensitizer immobilization in photochemistry: evaluation of a novel green support. Journal of Chemical Technology and Biotechnology, 2009, 84, 1026-1030.	3.2	12
84	Lead structures for applications in photodynamic therapy. Part 2: Synthetic studies for photo-triggered release systems of bioconjugate porphyrin photosensitizers. Tetrahedron, 2009, 65, 7064-7078.	1.9	46
85	Photodecarboxylative benzylations of phthalimides. Tetrahedron Letters, 2009, 50, 6335-6338.	1.4	30
86	Photodecarboxylative additions of phenoxyacetates to N-methylphthalimide. Tetrahedron Letters, 2009, 50, 6593-6596.	1.4	17
87	Green photochemistry: photo-Friedel–Crafts acylations of 1,4-naphthoquinone in room temperature ionic liquids. Green Chemistry, 2009, 11, 1867.	9.0	22
88	Use of Ca–alginate as a novel support for TiO2 immobilization in methylene blue decolorisation. Water Science and Technology, 2009, 60, 1081-1087.	2.5	36
89	Green photochemistry: solarchemical synthesis of 5-amido-1,4-naphthoquinones. Green Chemistry, 2009, 11, 318.	9.0	36
90	Micro-photochemistry: photochemistry in microstructured reactors. The new photochemistry of the future?. Photochemical and Photobiological Sciences, 2008, 7, 1313-1322.	2.9	230

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91	An Improved Procedure for the Photoacylation of 1,4-Naphthoquinone with Aliphatic Aldehydes. Synlett, 2008, 2008, 3137-3140.	1.8	2
92	Green photochemistry: Production of fine chemicals with sunlight. Pure and Applied Chemistry, 2007, 79, 1939-1947.	1.9	154
93	Unusual CD couplet pattern observed for the Ï€*â†n transition of enantiopure (Z)-8-methoxy-4-cyclooctenone: An experimental and theoretical study by electronic and vibrational circular dichroism spectroscopy and density functional theory calculation. Chirality, 2007, 19, 415-427.	2.6	10
94	Green photochemistry: solar-chemical synthesis of Juglone with medium concentrated sunlight. Green Chemistry, 2006, 8, 831-834.	9.0	78
95	Photooxygenations of 1-naphthols: an environmentally friendly access to 1,4-naphthoquinones. Tetrahedron, 2006, 62, 1467-1473.	1.9	54
96	Photoacylations of 2-substituted 1,4-naphthoquinones: a concise access to biologically active quinonoid compounds. Tetrahedron Letters, 2006, 47, 1329-1332.	1.4	25
97	Photodecarboxylative cyclizations of ï‰-phthalimido-ortho-phenoxy carboxylates. Tetrahedron Letters, 2005, 46, 3395-3398.	1.4	15
98	Photochemical Addition Reactions Involving Phthalimides. ChemInform, 2005, 36, no.	0.0	0
99	Photochemical Addition Reactions Involving Phthalimides. Heterocycles, 2005, 65, 2221.	0.7	40
100	Green photochemistry: solar photooxygenations with medium concentrated sunlight. Green Chemistry, 2005, 7, 35-38.	9.0	75
101	Synthesis of cycloalkynes via photochemical decarboxylation of ω-phthalimidoalkynoates. Photochemical and Photobiological Sciences, 2004, 3, 311-316.	2.9	10
102	The excimer radiation system: a powerful tool for preparative organic photochemistry. A technical note. Photochemical and Photobiological Sciences, 2003, 2, 450-451.	2.9	59
103	The Photodecarboxylative Addition of Carboxylates to Phthalimides: Scope and Limitations. Heterocycles, 2003, 59, 669.	0.7	32
104	The Formation of Spiro-bridged Dimers of Cyclooctane-1,2-dicarbonyl Compounds via Domino Aldol-Cycloalkylation. Heterocycles, 2002, 57, 741.	0.7	2
105	Photodecarboxylation Study of Carboxy-Substituted N-Alkylphthalimides in Aqueous Solution:  Time Resolved UVâ^'Vis Spectroscopy and Conductometry. Journal of Physical Chemistry A, 2002, 106, 1458-1464.	2.5	54
106	A Photochemical Route for Efficient Cyclopeptide Formation with a Minimum of Protection and Activation Chemistry. Journal of the American Chemical Society, 2002, 124, 10972-10973.	13.7	53
107	Hydrogen bonding in phthalimido carboxylic acids: cyclic voltammetric study and correlation with photochemical reactivity. Part 2.1 Aliphatic and aromatic acidsElectronic supplementary information (ESI) available: X-ray crystallographic data and cyclic voltammograms. See http://www.rsc.org/suppdata/p2/b1/b105860f/. Perkin Transactions ILRSC_2002_676-686	1.1	19
108	The "Photo-Friedelâ^'Crafts Acylation―of 1,4-Naphthoquinones. European Journal of Organic Chemistry, 2002, 2002, 2465.	2.4	57

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109	Synthesis of Cyclic Peptides by Photochemical Decarboxylation of N-Phthaloyl Peptides in Aqueous Solution. Helvetica Chimica Acta, 2002, 85, 4561-4578.	1.6	42
110	Photoinduced electron transfer chemistry of phthalimdes: an efficient tool for Cî—,C-bond formation. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2002, 3, 109-127.	11.6	83
111	Cyclic trans-stilbenes: synthesis, structural and spectroscopic characterization, photophysical and photochemical properties. Perkin Transactions II RSC, 2002, , 1760-1771.	1.1	37
112	Structural, CV and IR Spectroscopic Evidences for Preorientation in PET-Active Phthalimido Carboxylic Acids. Organic Letters, 2001, 3, 1593-1596.	4.6	25
113	Synthesis of a Macroheterocyclic Compound through Photodecarboxylation of Potassium ω-Phthalimidoalkynoate. Heterocycles, 2001, 54, 1049.	0.7	10
114	Synthesis of Sulfur-Containing Tricyclic Ring Systems by Means of Photoinduced Decarboxylative Cyclizations. European Journal of Organic Chemistry, 2001, 2001, 1831-1843.	2.4	36
115	Time-Resolved Spectroscopy of Sulfur- and Carboxy-SubstitutedN-Alkylphthalimides. Chemistry - A European Journal, 2001, 7, 1530-1538.	3.3	54
116	Green photochemistry: the solar-chemical â€~Photo–Friedel–Crafts acylation' of quinones. Green Chemistry, 2001, 3, 224-228.	9.0	71
117	Photoacylation of Electron-Rich Quinones: An Application of the â€Photo-Friedel-Crafts Reactionâ€. Synthesis, 2001, 112, 1275.	2.3	16
118	Time-Resolved Spectroscopy of Sulfur- and Carboxy-Substituted N-Alkylphthalimides. Chemistry - A European Journal, 2001, 7, 1530-1538.	3.3	1
119	Crystal structure of 3-hydroxy-3-(1-methylthioethyl)-2-methyl-2,3-dihydroisoindol-1-one, C8H4ONCH3(OH)[CH(CH3)SCH3]. Zeitschrift Fur Kristallographie - New Crystal Structures, 2000, 215, 37-38.	0.3	0
120	Decarboxylative Photoadditions of Heteroatom-substituted Carboxylates to Phthalimides. Synlett, 2000, 2000, 71-72.	1.8	5
121	Photoinduced Electron-Transfer Reactions with Quinolinic and Trimellitic Acid Imides:Â Experiments and Spin Density Calculations1. Journal of Organic Chemistry, 2000, 65, 7151-7157.	3.2	16
122	Photochemistry of MTM- and MTE-Esters of ω-Phthalimido Carboxylic Acids: Macrocyclization versus Deprotection1. Journal of Organic Chemistry, 2000, 65, 9028-9032.	3.2	23
123	Photodecarboxylative Addition of Carboxylates and α-Keto Carboxylates to Phthalimides. Synlett, 1999, 1999, 492-494.	1.8	35
124	Synthetic Applications of Photoinduced Electron Transfer Decarboxylation Reactions. Synlett, 1999, 1999, 1169-1178.	1.8	70
125	Photoinduced decarboxylation reactions. Green Chemistry, 1999, 1, 205-208.	9.0	66
126	Crystal structure of (S)-2-(1,3-dioxo-1,3-dihydro-isoindol-2-yl)-propionic acid methyl ester, C8H4NO2[CH(CH3)COOCH3]. Zeitschrift Fur Kristallographie - New Crystal Structures, 1999, 214, 107-108.	0.3	0

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127	Synthesis of Medium- and Large-Ring Compounds Initiated by Photochemical Decarboxylation of ï‰-Phthalimidoalkanoates. Helvetica Chimica Acta, 1997, 80, 912-933.	1.6	73