

# Petr Klan

## List of Publications by Year in descending order

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143  
papers

7,479  
citations

71102

41  
h-index

62596

80  
g-index

170  
all docs

170  
docs citations

170  
times ranked

7176  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoremovable Protecting Groups in Chemistry and Biology: Reaction Mechanisms and Efficacy. <i>Chemical Reviews</i> , 2013, 113, 119-191.	47.7	1,386
2	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4329-4373.	4.9	554
3	Visible-to-NIR-Light Activated Release: From Small Molecules to Nanomaterials. <i>Chemical Reviews</i> , 2020, 120, 13135-13272.	47.7	296
4	Aggregation of Methylene Blue in Frozen Aqueous Solutions Studied by Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6702-6709.	2.5	266
5	Transition-Metal-Free CO-Releasing BODIPY Derivatives Activatable by Visible to NIR Light as Promising Bioactive Molecules. <i>Journal of the American Chemical Society</i> , 2016, 138, 126-133.	13.7	249
6	A review of air-ice chemical and physical interactions (AICI): liquids, quasi-liquids, and solids in snow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1587-1633.	4.9	235
7	In Search of the Perfect Photocage: Structure-Reactivity Relationships in <i>meso</i> -Methyl BODIPY Photoremovable Protecting Groups. <i>Journal of the American Chemical Society</i> , 2017, 139, 15168-15175.	13.7	181
8	Persistent organic pollutants in soils and sediments from James Ross Island, Antarctica. <i>Environmental Pollution</i> , 2008, 152, 416-423.	7.5	169
9	Fluorescein Analogue Xanthene-9-Carboxylic Acid: A Transition-Metal-Free CO Releasing Molecule Activated by Green Light. <i>Organic Letters</i> , 2013, 15, 4552-4555.	4.6	135
10	The role of the global cryosphere in the fate of organic contaminants. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3271-3305.	4.9	128
11	Enhanced Protonation of Cresol Red in Acidic Aqueous Solutions Caused by Freezing. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1277-1287.	2.6	111
12	Organics in environmental ices: sources, chemistry, and impacts. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9653-9678.	4.9	110
13	Small-Molecule Fluorophores with Large Stokes Shifts: 9-Iminopyronin Analogues as Clickable Tags. <i>Journal of Organic Chemistry</i> , 2015, 80, 1299-1311.	3.2	100
14	Searching for Improved Photoreleasing Abilities of Organic Molecules. <i>Accounts of Chemical Research</i> , 2015, 48, 3064-3072.	15.6	96
15	Environmental Ice Photochemistry: Monochlorophenols. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1568-1574.	10.0	94
16	Ice (photo)chemistry. <i>Chemosphere</i> , 2002, 46, 1201-1210.	8.2	90
17	Anion-Free Bambus[6]uril and Its Supramolecular Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 5605-5612.	3.3	79
18	Fluorescein Analogues as Photoremovable Protecting Groups Absorbing at $\lambda_{max}$ 520 nm. <i>Journal of Organic Chemistry</i> , 2013, 78, 1833-1843.	3.2	79

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19	Photochemistry of rose bengal in water and acetonitrile: a comprehensive kinetic analysis. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16266-16273.	2.8	79
20	2,5-Dimethylphenacyl as a New Photoreleasable Protecting Group for Carboxylic Acids. <i>Organic Letters</i> , 2000, 2, 1569-1571.	4.6	65
21	Photochemical Degradation of PCBs in Snow. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8308-8314.	10.0	64
22	Comparison of the effects of UV, H <sub>2</sub> O <sub>2</sub> /UV and <sup>137</sup> Ir-irradiation processes on frozen and liquid water solutions of monochlorophenols. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 1023-1031.	2.9	61
23	Near-Infrared Fluorescent 9-Phenylethynylpyronin Analogues for Bioimaging. <i>Journal of Organic Chemistry</i> , 2014, 79, 3374-3382.	3.2	58
24	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 128, 145-149.	3.9	57
25	Deciphering the Structure-Property Relations in Substituted Heptamethine Cyanines. <i>Journal of Organic Chemistry</i> , 2020, 85, 9776-9790.	3.2	56
26	Oxidation of Aromatic and Aliphatic Hydrocarbons by OH Radicals Photochemically Generated from H <sub>2</sub> O <sub>2</sub> in Ice. <i>Environmental Science &amp; Technology</i> , 2006, 40, 7668-7674.	10.0	53
27	2,5-Dimethylphenacyl Esters: A Photoremovable Protecting Group for Carboxylic Acids. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10329-10333.	2.5	51
28	Chain Mechanism in the Photocleavage of Phenacyl and Pyridacyl Esters in the Presence of Hydrogen Donors. <i>Journal of Organic Chemistry</i> , 2006, 71, 713-723.	3.2	51
29	Photochemically induced nitration and hydroxylation of organic aromatic compounds in the presence of nitrate or nitrite in ice. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 24-32.	3.9	51
30	Bambusuril as a One-Electron Donor for Photoinduced Electron Transfer to Methyl Viologen in Mixed Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 2597-2603.	13.7	51
31	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 158, 1-5.	3.9	50
32	Photochemical activity of organic compounds in ice induced by sunlight irradiation: The Svalbard project. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	50
33	Visible to NIR Light Photoactivation of Hydrogen Sulfide for Biological Targeting. <i>Organic Letters</i> , 2018, 20, 4907-4911.	4.6	50
34	Photorelease of HCl from Methylphenacyl Chloride Proceeds through the Z-Xylylenol. <i>Journal of the American Chemical Society</i> , 2001, 123, 7931-7932.	13.7	49
35	Photolytic degradation of methyl-parathion and fenitrothion in ice and water: Implications for cold environments. <i>Environmental Pollution</i> , 2009, 157, 3308-3313.	7.5	49
36	Approach to a Substituted Heptamethine Cyanine Chain by the Ring Opening of Zincke Salts. <i>Journal of the American Chemical Society</i> , 2019, 141, 7155-7162.	13.7	49

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37	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 140, 185-189.	3.9	48
38	Toxicity Increases in Ice Containing Monochlorophenols upon Photolysis: Environmental Consequences. <i>Environmental Science &amp; Technology</i> , 2004, 38, 2873-2878.	10.0	46
39	Intramolecular Triplet Energy Transfer in Flexible Molecules: Electronic, Dynamic, and Structural Aspects. <i>Journal of the American Chemical Society</i> , 1999, 121, 9626-9635.	13.7	45
40	Photodegradation of halobenzenes in water ice. <i>Environmental Science and Pollution Research</i> , 2001, 8, 195-200.	5.3	44
41	Self-Organization of 1-Methylnaphthalene on the Surface of Artificial Snow Grains: A Combined Experimental-Computational Approach. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11412-11422.	2.5	43
42	Interactions of organic molecules at grain boundaries in ice: A solvatochromic analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 275-284.	3.9	42
43	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 137, 29-35.	3.9	41
44	PHOTOLYSIS OF PHENACYL ESTERS IN A TWO-PHASE SYSTEM. <i>Synthetic Communications</i> , 2002, 32, 2581-2590.	2.1	41
45	Non-catalytic remediation of aqueous solutions by microwave-assisted photolysis in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 177, 24-33.	3.9	41
46	Observation of a Brine Layer on an Ice Surface with an Environmental Scanning Electron Microscope at Higher Pressures and Temperatures. <i>Langmuir</i> , 2014, 30, 5441-5447.	3.5	41
47	2,5-Dimethylphenacyl esters: A photoremovable protecting group for phosphates and sulfonic acids. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 920-923.	2.9	40
48	Intramolecular Triplet Energy Transfer in Bichromophores with Long Flexible Tethers. <i>Journal of the American Chemical Society</i> , 1998, 120, 2198-2199.	13.7	39
49	Photochemistry of chlorobenzene in ice. <i>Tetrahedron Letters</i> , 2000, 41, 7785-7789.	1.4	39
50	Molecular photochemical thermometers: investigation of microwave superheating effects by temperature dependent photochemical processes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 143, 49-57.	3.9	39
51	CTAB/Water/Chloroform Reverse Micelles: A Closed or Open Association Model?. <i>Langmuir</i> , 2012, 28, 15185-15192.	3.5	38
52	Photochemistry of valerophenone in solid solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 134, 37-44.	3.9	37
53	Photodecarbonylation of Dibenzyl Ketones and Trapping of Radical Intermediates by Copper(II) Chloride in Frozen Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9346-9353.	2.6	37
54	2,5-Dimethylphenacyl carbamate: a photoremovable protecting group for amines and amino acids. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 50-56.	2.9	37

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55	Cyanine-Flavonol Hybrids for Near-Infrared Light-Activated Delivery of Carbon Monoxide. <i>Chemistry - A European Journal</i> , 2020, 26, 13184-13190.	3.3	37
56	2,5-Dimethylphenacyl carbonates: A photoremovable protecting group for alcohols and phenols. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 43-46.	2.9	36
57	Photoinitiated polymerisation of monolithic stationary phases in polyimide coated capillaries using visible region LEDs. <i>Chemical Communications</i> , 2008, , 6504.	4.1	36
58	Orthogonal Photocleavage of a Monochromophoric Linker. <i>Journal of the American Chemical Society</i> , 2010, 132, 11431-11433.	13.7	36
59	Photochemical Formation of Dibenzosilacyclohept-4-yne for Cu-Free Click Chemistry with Azides and 1,2,4,5-Tetrazines. <i>Organic Letters</i> , 2016, 18, 4892-4895.	4.6	34
60	Chemistry of Small Organic Molecules on Snow Grains: The Applicability of Artificial Snow for Environmental Studies. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3430-3436.	10.0	33
61	Photochemistry of <i>S</i> -Phenacyl Xanthates. <i>Journal of Organic Chemistry</i> , 2011, 76, 8232-8242.	3.2	31
62	Investigation of Humic Substance Photosensitized Reactions via Carbon and Hydrogen Isotope Fractionation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 233-242.	10.0	31
63	Spectroscopic Properties of Naphthalene on the Surface of Ice Grains Revisited: A Combined Experimental-Computational Approach. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8565-8578.	2.5	30
64	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 51-57.	3.9	29
65	The internal heavy-atom effect on 3-phenylselanyl and 3-phenyltellanyl BODIPY derivatives studied by transient absorption spectroscopy. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 250-259.	2.9	29
66	Photoenolization-Induced Oxirane Ring Opening in 2,5-Dimethylbenzoyl Oxiranes To Form Pharmaceutically Promising Indanone Derivatives. <i>Journal of Organic Chemistry</i> , 2010, 75, 7300-7309.	3.2	27
67	Spectroscopic Properties of Benzene at the Air-Ice Interface: A Combined Experimental-Computational Approach. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7535-7547.	2.5	27
68	Mechanisms of Orthogonal Photodecarbonylation Reactions of 3-Hydroxyflavone-Based Acid-Base Forms. <i>Journal of Organic Chemistry</i> , 2020, 85, 3527-3537.	3.2	27
69	Carbon-Carbon Bond Cleavage in Fluorescent Pyronin Analogues Induced by Yellow Light. <i>Organic Letters</i> , 2012, 14, 4918-4921.	4.6	26
70	Photochemistry of alkyl aryl ketones on alumina, silica-gel and water ice surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 154, 155-159.	3.9	25
71	Photochemistry of 2-Alkoxyethyl-5-methylphenacyl Chloride and Benzoate. <i>Journal of Organic Chemistry</i> , 2006, 71, 8050-8058.	3.2	24
72	The Power of Solvent in Altering the Course of Photorearrangements. <i>Organic Letters</i> , 2011, 13, 644-647.	4.6	24

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73	Temperature-sensitive photochemical aromatic substitution on 4-nitroanisole. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 1012-1016.	2.9	23
74	Determination of the Specific Surface Area of Snow Using Ozonation of 1,1-Diphenylethylene. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10061-10067.	10.0	23
75	Protected 5-(hydroxymethyl)uracil nucleotides bearing visible-light photocleavable groups as building blocks for polymerase synthesis of photocaged DNA. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1527-1535.	2.8	23
76	Photochemistry of 2-Nitrobenzylidene Acetals. <i>Journal of Organic Chemistry</i> , 2009, 74, 8647-8658.	3.2	22
77	Polymerisation and surface modification of methacrylate monoliths in polyimide channels and polyimide coated capillaries using 660 nm light emitting diodes. <i>Journal of Chromatography A</i> , 2011, 1218, 2954-2962.	3.7	22
78	The Pivotal Role of Oxyallyl Diradicals in Photo-Favorskii Rearrangements: Transient Spectroscopic and Computational Studies. <i>Journal of the American Chemical Society</i> , 2013, 135, 15209-15215.	13.7	22
79	A Photo-Favorskii Ring Contraction Reaction: The Effect of Ring Size. <i>Journal of Organic Chemistry</i> , 2013, 78, 1718-1729.	3.2	22
80	Construction of the carbon-chalcogen (S, Se, Te) bond at the 2,6-positions of BODIPY via Stille cross-coupling reaction. <i>Chemical Communications</i> , 2016, 52, 11951-11954.	4.1	21
81	Rate Acceleration of the Heterogeneous Reaction of Ozone with a Model Alkene at the Air-Ice Interface at Low Temperatures. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6773-6780.	10.0	20
82	Structural Modifications of Nile Red Carbon Monoxide Fluorescent Probe: Sensing Mechanism and Applications. <i>Journal of Organic Chemistry</i> , 2020, 85, 3473-3489.	3.2	20
83	Enantioselective effects of alpha-hexachlorocyclohexane (HCH) isomers on androgen receptor activity in vitro. <i>Chemosphere</i> , 2012, 86, 65-69.	8.2	19
84	The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production. <i>Pediatric Research</i> , 2019, 85, 865-873.	2.3	19
85	Cyanine Phototruncation Enables Spatiotemporal Cell Labeling. <i>Journal of the American Chemical Society</i> , 2022, 144, 11075-11080.	13.7	19
86	Computer Modeling and Simulations on Flexible Bifunctional Systems: Intramolecular Energy Transfer Implications. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3404-3413.	2.5	18
87	Photodegradation of organic pollutants on the spruce needle wax surface under laboratory conditions. <i>Chemosphere</i> , 2004, 57, 1399-1407.	8.2	18
88	Adiabatic Triplet State Tautomerization of <i>p</i> -Hydroxyacetophenone in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2935-2944.	2.5	18
89	The electrodeless discharge lamp: a prospective tool for photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 146-150.	3.9	17
90	Photochemistry of 4-Chlorophenol in Liquid and Frozen Aqueous Media Studied by Chemical, Compound-Specific Isotope, and DFT Analyses. <i>Langmuir</i> , 2015, 31, 10743-10750.	3.5	17

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91	Fluorescent pH Indicators for Neutral to Near-Alkaline Conditions Based on 9-Iminopyronin Derivatives. <i>ACS Omega</i> , 2019, 4, 5479-5485.	3.5	17
92	2-Hydroxyphenacyl ester: a new photoremovable protecting group. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1465-1475.	2.9	16
93	4-Hydroxyphenacyl Ammonium Salts: A Photoremovable Protecting Group for Amines in Aqueous Solutions. <i>Journal of Organic Chemistry</i> , 2015, 80, 9713-9721.	3.2	15
94	Nature of CTAB/Water/Chloroform Reverse Micelles at Above- and Subzero Temperatures Studied by NMR and Molecular Dynamics Simulations. <i>Langmuir</i> , 2015, 31, 8284-8293.	3.5	14
95	The impact of tunnel mutations on enzymatic catalysis depends on the tunnel-substrate complementarity and the rate-limiting step. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 805-813.	4.1	14
96	Controlled photorelease of alkynoic acids and their decarboxylative deprotection for copper-catalyzed azide/alkyne cycloaddition. <i>Chemical Communications</i> , 2018, 54, 5558-5561.	4.1	13
97	Structure-Photoreactivity Relationship of 3-Hydroxyflavone-Based CO-Releasing Molecules. <i>Journal of Organic Chemistry</i> , 2022, 87, 4750-4763.	3.2	13
98	Porphyrin as a versatile visible-light-activatable organic/metal hybrid photoremovable protecting group. <i>Nature Communications</i> , 2022, 13, .	12.8	13
99	Microwave Photochemistry. , 0, , 463-486.		12
100	Photochemical synthesis of substituted indan-1-ones related to donepezil. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 625-632.	2.9	12
101	Photooxidation of Aniline Derivatives Can Be Activated by Freezing Their Aqueous Solutions. <i>Environmental Science &amp; Technology</i> , 2017, 51, 13763-13770.	10.0	12
102	Photosensitized Cross-Linking of Tryptophan and Tyrosine Derivatives by Rose Bengal in Aqueous Solutions. <i>Journal of Organic Chemistry</i> , 2018, 83, 10835-10844.	3.2	12
103	Laser flash photolysis study of the photoinduced oxidation of 4-(dimethylamino)benzonitrile (DMABN). <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 534-545.	2.9	12
104	Wavelength-Dependent Photochemistry and Biological Relevance of a Bilirubin Dipyrrinone Subunit. <i>Journal of Organic Chemistry</i> , 2020, 85, 13015-13028.	3.2	12
105	Temperature dependent photochemical cleavage of 2,5-dimethylphenacyl esters. <i>Molecular Diversity</i> , 2003, 7, 265-271.	3.9	11
106	Caged Fluoride: Photochemistry and Applications of 4-Hydroxyphenacyl Fluoride. <i>Organic Letters</i> , 2015, 17, 4814-4817.	4.6	11
107	A "photorelease, catch and photorelease"™ strategy for bioconjugation utilizing a p-hydroxyphenacyl group. <i>Chemical Communications</i> , 2016, 52, 12901-12904.	4.1	11
108	Green-light photocleavable <i>meso</i> -methyl BODIPY building blocks for macromolecular chemistry. <i>Polymer Chemistry</i> , 2021, 12, 6927-6936.	3.9	11

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109	Electronic-State Switching Strategy in the Photochemical Synthesis of Indanones from Methyl Phenacyl Epoxides. <i>Organic Letters</i> , 2011, 13, 6556-6559.	4.6	10
110	Photoswitching of Azobenzene-Based Reverse Micelles above and at Subzero Temperatures As Studied by NMR and Molecular Dynamics Simulations. <i>Langmuir</i> , 2017, 33, 2306-2317.	3.5	10
111	A novel accurate LC-MS/MS method for quantitative determination of Z-lumirubin. <i>Scientific Reports</i> , 2020, 10, 4411.	3.3	10
112	Coordination mechanism of cyanine dyes on the surface of core@active shell $\text{NaGdF}_4\text{:Yb}^{3+}, \text{Er}^{3+}$ nanocrystals and its role in enhancing upconversion luminescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16313-16323.	5.5	10
113	Spectroscopic Properties of Anisole at the Air-Ice Interface: A Combined Experimental-Computational Approach. <i>Langmuir</i> , 2016, 32, 5755-5764.	3.5	9
114	Fluorescent substrates for haloalkane dehalogenases: Novel probes for mechanistic studies and protein labeling. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 922-932.	4.1	9
115	Coupling BODIPY with nitrogen-doped graphene quantum dots to address the water solubility of photosensitizers. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1719-1726.	5.9	9
116	Photoenolization and Its Applications. , 2012, , 627-652.		8
117	Phase-transfer catalyzed synthesis of 2-propenyl esters of carboxylic acids. <i>Monatshefte für Chemie</i> , 1992, 123, 469-471.	1.8	7
118	Temperature Dependent Solvent Effects in Photochemistry of 1-Phenylpentan-1-ones. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 2007-2018.	1.0	7
119	An Efficient One-Pot Conversion of Alkyl Bromides Into Imines via the Staudinger Reaction. <i>Synthetic Communications</i> , 2000, 30, 1503-1507.	2.1	7
120	Study and application of noncatalyzed photoinduced conjugation of azides and cycloocta-1,2,3-selenadiazoles. <i>Chemical Communications</i> , 2016, 52, 4792-4795.	4.1	7
121	Supramolecular Storage and Controlled Photorelease of an Oxidizing Agent using a Bambusuril Macrocycle. <i>Chemistry - A European Journal</i> , 2017, 23, 16768-16772.	3.3	7
122	Photochemistry in Terrestrial Ices. <i>Astrophysics and Space Science Library</i> , 2013, , 583-644.	2.7	7
123	1-Oxoindan-2-yl and 1,3-dioxindan-2-yl esters as photoremovable protecting groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 194, 59-66.	3.9	6
124	Effects of Substituents on Photophysical and CO-Photoreleasing Properties of 2,6-Substituted meso-Carboxy BODIPY Derivatives. <i>Chemistry</i> , 2021, 3, 238-255.	2.2	6
125	Kinetics of heterogeneous reactions of ozone with representative PAHs and an alkene at the air-ice interface at 258 and 188 K. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 770-776.	3.5	5
126	Conformational Control of the Photodynamics of a Bilirubin Dipyrrinone Subunit: Femtosecond Spectroscopy Combined with Nonadiabatic Simulations. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10457-10471.	2.5	5



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127	Photochemistry of a 9- <i>o</i> -thianylpyronin Derivative: A Cornucopia of Reaction Intermediates Lead to Common Photoproducts. <i>ChemPlusChem</i> , 2020, 85, 2230-2242.	2.8	5
128	Effect of metal ions on the bromination of 3,5-dimethylpyridine-N-oxide in acetic acid. <i>Monatshefte für Chemie</i> , 1993, 124, 327-330.	1.8	4
129	Chalcogen-based ratiometric reversible BODIPY redox sensors for the determination of enantioselective methionine sulfoxide reductase activity. <i>Chemical Communications</i> , 2022, 58, 6389-6392.	4.1	4
130	Photoremovable chiral auxiliary. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 500-507.	2.9	3
131	Intramolecular Triplet-Triplet Energy Transfer in Short Flexible Bichromophoric Amino Acids, Dipeptides and Carboxylic Acid Diester. <i>Collection of Czechoslovak Chemical Communications</i> , 2004, 69, 776-796.	1.0	3
132	Antiproliferative and Cytotoxic Activities of Fluorescein-A Diagnostic Angiography Dye. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1504.	4.1	3
133	Photochemistry of ( <i>Z</i> )-Isovinylneoxanthobilirubic Acid Methyl Ester, a Bilirubin Dipyrnone Subunit: Femtosecond Transient Absorption and Stimulated Raman Emission Spectroscopy. <i>Journal of Organic Chemistry</i> , 2022, 87, 3089-3103.	3.2	3
134	Photochemical Reaction Mechanisms and Reaction Intermediates. , 0, , 183-226.		2
135	Techniques and Methods. , 0, , 73-135.		2
136	N-(1-Naphthylacetyl)glycine phenacyl ester and phenacyl (1-naphthylacetoxy)acetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o77-o79.	0.4	1
137	Quantum Mechanical Models of Electronic Excitation and Photochemical Reactivity. , 0, , 137-182.		1
138	Tribute to Josef Michl. <i>Chemistry</i> , 2021, 3, 440-443.	2.2	1
139	The complex photochemistry of coumarin-3-carboxylic acid in acetonitrile and methanol. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1481-1495.	2.9	1
140	Information Sources, Tables. , 0, , 467-470.		0
141	Retrosynthetic Photochemistry. , 0, , 455-466.		0
142	Morphological and Chemical Analysis of Impurities in Ice Using the Environmental Scanning Electron Microscopy and Fluorescence Spectroscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 1699-1700.	0.4	0
143	A Special Issue in Honor of Professor Josef Michl. <i>Chemistry</i> , 2022, 4, 270-271.	2.2	0