

Al Postigo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4395849/publications.pdf>

Version: 2024-02-01

81
papers

3,070
citations

236612

25
h-index

161609

54
g-index

102
all docs

102
docs citations

102
times ranked

2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Difluoromethylation Reactions of Organic Compounds. <i>Chemistry - A European Journal</i> , 2017, 23, 14676-14701.	1.7	361
2	Recent Advances in Trifluoromethylation Reactions with Electrophilic Trifluoromethylating Reagents. <i>Chemistry - A European Journal</i> , 2014, 20, 16806-16829.	1.7	319
3	Fluorination methods in drug discovery. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8398-8427.	1.5	271
4	Late stage trifluoromethylthiolation strategies for organic compounds. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7150-7182.	1.5	243
5	Radical Fluoroalkylation Reactions. <i>ACS Catalysis</i> , 2018, 8, 7287-7307.	5.5	179
6	Photocatalytic fluoroalkylation reactions of organic compounds. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11153-11183.	1.5	145
7	Metal-mediated radical perfluoroalkylation of organic compounds. <i>Coordination Chemistry Reviews</i> , 2013, 257, 3051-3069.	9.5	119
8	Electron Donor-Acceptor Complexes in Perfluoroalkylation Reactions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6391-6404.	1.2	114
9	Radical Reactions in Aqueous Medium Using $(\text{Me}_3\text{Si})_3\text{SiH}$. <i>Organic Letters</i> , 2007, 9, 5159-5162.	2.4	86
10	Radical fluorination reactions by thermal and photoinduced methods. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9954-9973.	1.5	68
11	New Visible-Light-Triggered Photocatalytic Trifluoromethylation Reactions of Carbon-Carbon Multiple Bonds and (Hetero)Aromatic Compounds. <i>Chemistry - A European Journal</i> , 2020, 26, 11065-11084.	1.7	68
12	Perfluoroalkylation reactions of (hetero)arenes. <i>RSC Advances</i> , 2015, 5, 62498-62518.	1.7	65
13	$(\text{Me}_3\text{Si})_3\text{SiH}$ -Mediated Intermolecular Radical Perfluoroalkylation Reactions of Olefins in Water. <i>Journal of Organic Chemistry</i> , 2010, 75, 6141-6148.	1.7	58
14	Advances in metal-assisted non-electrophilic fluoroalkylation reactions of organic compounds. <i>Coordination Chemistry Reviews</i> , 2015, 285, 76-108.	9.5	56
15	Radiation Chemical Studies of Methionine in Aqueous Solution: Understanding the Role of Molecular Oxygen. <i>Chemical Research in Toxicology</i> , 2010, 23, 258-263.	1.7	46
16	Hydrosilylation of C=C Multiple Bonds Using $(\text{Me}_3\text{Si})_3\text{SiH}$ in Water. Comparative Study of the Radical Initiation Step. <i>Organometallics</i> , 2009, 28, 3282-3287.	1.1	43
17	Syntheses of 3-Substituted 2,3-Dihydrobenzofuranes, 1,2-Dihydronaphtho(2,1-b)furanes, and 2,3-Dihydro-1H-indoles by Tandem Ring Closure-SRN1 Reactions. <i>Journal of Organic Chemistry</i> , 2002, 67, 8500-8506.	1.7	42
18	Reactions of Fluorinated Organic Radicals in Aqueous Media. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1889-1899.	1.2	35

#	ARTICLE	IF	CITATIONS
19	Light-induced iodoperfluoroalkylation reactions of carbon-carbon multiple bonds in water. <i>Journal of Fluorine Chemistry</i> , 2012, 135, 137-143.	0.9	35
20	A Novel Type of Nucleophilic Substitution Reactions on Nonactivated Aromatic Compounds and Benzene Itself with Trimethylsilyl Anions. <i>Organic Letters</i> , 2001, 3, 1197-1200.	2.4	34
21	Synthetic strategies for fluorination of carbohydrates. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5173-5189.	1.5	33
22	Heterogeneous Photoinduced Homolytic Aromatic Substitution of Electron-Rich Arenes with Perfluoroalkyl Groups in Water and Aqueous Media - A Radical Reaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 998-1008.	1.2	32
23	Radical fluoroalkylation reactions of (hetero)arenes and sulfides under red light photocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3741-3746.	1.5	29
24	Benign Perfluoroalkylation of Aniline Derivatives through Photoredox Organocatalysis under Visible-Light Irradiation. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7869-7875.	1.2	28
25	Fast Tin-Free Hydrodehalogenation and Reductive Radical Cyclization Reactions: A New Reduction Process. <i>Journal of Organic Chemistry</i> , 2004, 69, 2037-2041.	1.7	27
26	Synthetically useful carbon-carbon and carbon-sulphur bond construction mediated by carbon- and sulphur-centred radicals in water and aqueous media. <i>RSC Advances</i> , 2011, 1, 14.	1.7	27
27	Advances in Photocatalytic Organic Synthetic Transformations in Water and Aqueous Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 10016-10047.	3.2	27
28	Novel Perfluoroalkyl-Diphenylphosphine Compounds. Syntheses and Reaction Mechanisms. <i>Organometallics</i> , 2004, 23, 3003-3007.	1.1	26
29	Synthetically useful metal-mediated radical transformations in water and aqueous media. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2991-3030.	9.5	23
30	Photocatalytic Difluoromethylation Reactions of Aromatic Compounds and Aliphatic Multiple C-C Bonds. <i>Molecules</i> , 2019, 24, 4483.	1.7	23
31	Aromatic radical perfluoroalkylation reactions. <i>Canadian Journal of Chemistry</i> , 2012, 90, 493-497.	0.6	21
32	Nucleophilic non-metal assisted trifluoromethylation and perfluoroalkylation reactions of organic substrates. <i>Journal of Fluorine Chemistry</i> , 2014, 161, 134-141.	0.9	20
33	A facile one-pot synthesis of 8-oxo-7,8-dihydro-(2-deoxy)adenosine in water. <i>Tetrahedron Letters</i> , 2006, 47, 711-714.	0.7	19
34	Organic dye-photocatalyzed fluoroalkylation of heteroarene-N-oxide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6718-6727.	1.5	19
35	Recent Advances on Radical Nucleophilic Substitution Reactions. <i>Current Organic Chemistry</i> , 2003, 7, 747-769.	0.9	19
36	Orbital Symmetry and the Photochemical Ring Opening of Cyclobutene. <i>Journal of the American Chemical Society</i> , 1995, 117, 7826-7827.	6.6	18

#	ARTICLE	IF	CITATIONS
37	Electron-catalyzed radical perfluoroalkylation of organic sulfides: the serendipitous use of the TMEDA/ Cu^{II} complex as a radical initiator. <i>Catalysis Science and Technology</i> , 2017, 7, 2274-2282.	2.1	18
38	Cyclobutene Photochemistry. Steric Effects on the Photochemical Ring Opening of Alkylcyclobutenes. <i>Journal of the American Chemical Society</i> , 1995, 117, 1688-1694.	6.6	16
39	Direct CH perfluoroalkylation of (di)benzo(hetero)arenes in aqueous media. <i>Journal of Fluorine Chemistry</i> , 2014, 161, 149-155.	0.9	16
40	Transition metal- and organophotocatalyst-free perfluoroalkylation reaction of amino(hetero)aromatics initiated by the complex $[(\text{TMEDA})\text{Ir}^{\text{III}}]$ and visible light. <i>RSC Advances</i> , 2017, 7, 266-274.	1.7	15
41	Bioinspired photocatalysed C^{H} fluoroalkylation of arenes in water promoted by native vitamin B_{12} and Rose Bengal. <i>Green Chemistry</i> , 2021, 23, 8147-8153.	4.6	15
42	Synthetic Organometallic Radical Chemistry in Water. <i>Current Organic Chemistry</i> , 2009, 13, 1683-1704.	0.9	11
43	Late-stage electron-catalyzed perfluoroalkylation of coumarin derivatives—Thermal fluoroalkyl radical production from sodium perfluoroalkyl sulfinate salts. <i>Journal of Fluorine Chemistry</i> , 2017, 197, 42-48.	0.9	11
44	Approaches to the Synthesis of Perfluoroalkyl-Modified Carbohydrates and Derivatives: Thiosugars, Iminosugars, and Tetrahydro(thio)pyrans. <i>Chemistry - A European Journal</i> , 2021, 27, 7813-7825.	1.7	11
45	Organic Synthesis in Water Mediated By Silyl Radicals. <i>Current Organic Chemistry</i> , 2011, 15, 1826-1842.	0.9	11
46	Reactions of trimethylstannide and trimethylsiliconide anions with aromatic and heteroaromatic substrates. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 889-893.	0.9	10
47	Photocatalyzed reductive fluoroalkylation of 2-acetoxglycals towards the stereoselective synthesis of α -1-fluoroalkyl- β -glycosyl derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8724-8734.	1.5	10
48	The role of photocatalysts in radical chains in homolytic aromatic substitution, radical addition to olefins, and nucleophilic radical substitution mechanisms. <i>Catalysis Science and Technology</i> , 2020, 10, 5113-5128.	2.1	10
49	Mechanistic studies on the reactions of trimethylsilanide and trimethylstannylide ions with haloarenes in hexamethylphosphoramide. <i>Journal of Organometallic Chemistry</i> , 2002, 656, 108-115.	0.8	9
50	Synthesis of C-glycosylmethyl isoxazoles via aerobic oxidation of ketoximes catalyzed by TEMPO. <i>Tetrahedron Letters</i> , 2017, 58, 1507-1511.	0.7	9
51	Photochemical reaction of (-)-quebrachamine. Unusual photoformation of an ibogamine-like ring system. <i>Journal of Organic Chemistry</i> , 1989, 54, 3174-3176.	1.7	8
52	Different radical initiation techniques of hydrosilylation reactions of multiple bonds in water: dioxygen initiation. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 910-914.	0.9	8
53	Different radical initiation techniques of hydrosilylation reactions of multiple bonds in water: thermal and photochemical initiation. <i>Journal of Physical Organic Chemistry</i> , 2010, 23, 944-949.	0.9	8
54	Photoinduced Cyclization Reactions in Aqueous Media. <i>Current Organic Chemistry</i> , 2012, 16, 2379-2388.	0.9	8

#	ARTICLE	IF	CITATIONS
55	The Radical-Based Reduction with (TMS) ₃ SiH ⁻ On Water TM . <i>Synlett</i> , 2005, 2005, 2854-2856.	1.0	7
56	New visible light organo(metal)-photocatalyzed fluoroalkylsulfanylation (RFS-) and fluoroalkylselenolation (RFSe-) reactions of organic substrates. <i>Journal of Fluorine Chemistry</i> , 2020, 240, 109652.	0.9	7
57	Cyclobutene photochemistry. Adiabatic photochemical ring opening of alkylcyclobutenes. <i>Canadian Journal of Chemistry</i> , 1996, 74, 951-964.	0.6	6
58	Solvent effects on the reactivity of fluorenyl nitrenium ion with DNA-like probes. <i>Biophysical Chemistry</i> , 2006, 119, 213-218.	1.5	6
59	Photoinduced Electron Transfer-Mediated Substitutions in Aqueous Media. <i>Current Organic Chemistry</i> , 2012, 16, 2394-2399.	0.9	6
60	Catalytic Fluoroalkylation Reactions of Alkoxy ⁻ substituted (Hetero)Arenes. <i>ChemCatChem</i> , 0, , .	1.8	5
61	Rose Bengal-photocatalyzed perfluorohexylation reactions of organic substrates in water. Applications to late-stage syntheses. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 803-812.	1.6	5
62	The role of central bond torsional motions in the direct cis ⁻ →trans-photoisomerization of conjugated dienes. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, .	2.0	4
63	Recent Advances in the Substitution Reactions of Triorganylstannyl Ions with Aromatic Compounds by the SRN1 Mechanism. <i>Synthetic Applications. Molecules</i> , 2000, 5, 1068-1079.	1.7	4
64	Distinct fragmentation patterns of the radical anions derived from 1-halo-2- and -4-(phenylmethylthio)benzenes. <i>Perkin Transactions II RSC</i> , 2000, , 485-490.	1.1	4
65	Transition Metal-free Photoorganocatalytic Fluoroalkylation Reactions of Organic Compounds. <i>Current Organic Chemistry</i> , 2016, 20, 2838-2847.	0.9	4
66	Photoinduced Addition Reactions in Aqueous Media. <i>Current Organic Chemistry</i> , 2012, 16, 2354-2364.	0.9	3
67	Introduction and Outline. , 2019, , 1-27.		3
68	Bioinspired Photocatalyzed Organic Synthetic Transformations. The Use of Natural Pigments and Vitamins in Photocatalysis. <i>ChemCatChem</i> , 2022, 14, .	1.8	3
69	Photoinduced [6 ⁻]-Electrocyclic Reaction of Mono-, Di-, and Trisubstituted Triphenylamines in Acetonitrile. A Steady-State Investigation. <i>Journal of Organic Chemistry</i> , 2022, 87, 13439-13454.	1.7	3
70	Difluoromethylation of Bioactive Compounds. , 2019, , 243-285.		2
71	Propagation chains in photocatalyzed radical nucleophilic substitutions of thiolates with perfluoroalkyl groups. <i>Chemical Physics Letters</i> , 2020, 755, 137790.	1.2	1
72	Visible light-catalyzed fluoroalkylation reactions of free aniline derivatives. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 971-983.	1.6	1

#	ARTICLE	IF	CITATIONS
73	Syntheses of 3-Substituted 2,3-Dihydrobenzofurans, 1,2-Dihydronaphtho(2,1-b)furans, and 2,3-Dihydro-1H-indoles by Tandem Ring Closureâ€”SRN1 Reactions.. ChemInform, 2003, 34, no.	0.1	0
74	Recent Advances in Radical Nucleophilic Substitution Reactions. ChemInform, 2003, 34, no.	0.1	0
75	Fast Tin-Free Hydrodehalogenation and Reductive Radical Cyclization Reactions: A New Reduction Process.. ChemInform, 2004, 35, no.	0.1	0
76	Radical Reactions in and on Water Using (Me3Si)3SiH. Synfacts, 2008, 2008, 0191-0191.	0.0	0
77	Reactivity of Thiyl Radicals Generated from Thiomethoxide and Dimethyldisulfide in Microheterogeneous Media. Current Organic Chemistry, 2012, 16, 2423-2429.	0.9	0
78	Frontispiece: Difluoromethylation Reactions of Organic Compounds. Chemistry - A European Journal, 2017, 23, .	1.7	0
79	Fluorination of Bioactive Compounds by Electron Transfer Reactions. , 2019, , 287-320.		0
80	Frontispiece: New Visibleâ€”Lightâ€”Triggered Photocatalytic Trifluoromethylation Reactions of Carbonâ€”Carbon Multiple Bonds and (Hetero)Aromatic Compounds. Chemistry - A European Journal, 2020, 26, .	1.7	0
81	Frontispiece: Approaches to the Synthesis of Perfluoroalkylâ€”Modified Carbohydrates and Derivatives: Thiosugars, Iminosugars, and Tetrahydro(thio)pyrans. Chemistry - A European Journal, 2021, 27, .	1.7	0