

# Vitalij V Levin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5079967/publications.pdf>

Version: 2024-02-01

88  
papers

2,683  
citations

147801

31  
h-index

214800

47  
g-index

121  
all docs

121  
docs citations

121  
times ranked

1542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Difluorocarbene as a Building Block for Consecutive Bond-Forming Reactions. <i>Accounts of Chemical Research</i> , 2018, 51, 1272-1280.	15.6	187
2	Nucleophilic Trifluoromethylation of C=N Bonds. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 831-841.	2.4	125
3	Reactions of Difluorocarbene with Organozinc Reagents. <i>Organic Letters</i> , 2013, 15, 917-919.	4.6	112
4	Difluoromethylene Phosphobetaine as an Equivalent of Difluoromethyl Carbanion. <i>Organic Letters</i> , 2014, 16, 6256-6259.	4.6	93
5	Organic and hybrid systems: from science to practice. <i>Mendeleev Communications</i> , 2017, 27, 425-438.	1.6	86
6	Reactions of <i>gem</i> -Difluorinated Phosphonium Salts Induced by Light. <i>Organic Letters</i> , 2016, 18, 996-999.	4.6	82
7	Difluorohomologation of Ketones. <i>Organic Letters</i> , 2015, 17, 760-763.	4.6	70
8	A novel photoredox-active group for the generation of fluorinated radicals from difluorostyrenes. <i>Chemical Science</i> , 2020, 11, 737-741.	7.4	67
9	Nucleophilic Trifluoromethylation of Imines under Acidic Conditions. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5226-5230.	2.4	66
10	Difluoro(trimethylsilyl)acetonitrile: Synthesis and Fluoroalkylation Reactions. <i>Journal of Organic Chemistry</i> , 2012, 77, 5850-5855.	3.2	63
11	Nucleophilic Bromo- and Iododifluoromethylation of Aldehydes. <i>Organic Letters</i> , 2014, 16, 3784-3787.	4.6	61
12	Nucleophilic Bromodifluoromethylation of Iminium Ions. <i>Journal of Organic Chemistry</i> , 2014, 79, 7831-7835.	3.2	59
13	Radical Addition to <i>N</i> -Tosylimines via C-H Activation Induced by Decatungstate Photocatalyst. <i>Organic Letters</i> , 2019, 21, 4271-4274.	4.6	56
14	Nucleophilic Difluoromethylation Using (Bromodifluoromethyl)trimethylsilane. <i>Organic Letters</i> , 2016, 18, 3458-3461.	4.6	53
15	Copper-Catalyzed Allylation of $\alpha,\alpha$ -Difluoro-Substituted Organozinc Reagents. <i>Journal of Organic Chemistry</i> , 2014, 79, 818-822.	3.2	52
16	Halogenative Difluorohomologation of Ketones. <i>Journal of Organic Chemistry</i> , 2015, 80, 5870-5876.	3.2	51
17	Using the Thiyl Radical for Aliphatic Hydrogen-Atom Transfer: Thiolation of Unactivated C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2849-2854.	13.8	50
18	Geminal Silicon/Zinc Reagent as an Equivalent of Difluoromethylene Bis-carbanion. <i>Organic Letters</i> , 2014, 16, 1438-1441.	4.6	47

#	ARTICLE	IF	CITATIONS
19	Difluoromethylation of Carboxylic Acids via the Addition of Difluorinated Phosphorus Ylide to Acyl Chlorides. <i>Organic Letters</i> , 2017, 19, 5304-5307.	4.6	46
20	Trifluoromethylation of N-Benzoylhydrazones. <i>Journal of Organic Chemistry</i> , 2008, 73, 5643-5646.	3.2	40
21	Nucleophilic trifluoromethylation with organoboron reagents. <i>Tetrahedron Letters</i> , 2011, 52, 281-284.	1.4	40
22	Radical Silyldifluoromethylation of Electron-Deficient Alkenes. <i>Organic Letters</i> , 2017, 19, 3215-3218.	4.6	39
23	Nucleophilic trifluoromethylation of arylidene Meldrum's acids. <i>Tetrahedron Letters</i> , 2009, 50, 2998-3000.	1.4	38
24	Photocatalytic Reductive Fluoroalkylation of Nitrones. <i>Organic Letters</i> , 2018, 20, 840-843.	4.6	38
25	Nucleophilic fluoroalkylation of iminium salts. <i>Tetrahedron Letters</i> , 2008, 49, 3108-3111.	1.4	36
26	Nucleophilic trifluoromethylation of arylidenemalononitriles. <i>Tetrahedron Letters</i> , 2008, 49, 4352-4354.	1.4	36
27	Synthesis of 3-Fluoroindoles via Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2017, 82, 745-753.	3.2	36
28	Synthesis of organofluorine compounds using $\beta$ -fluorine-substituted silicon reagents. <i>Mendeleev Communications</i> , 2015, 25, 239-244.	1.6	35
29	Reactions of organozinc reagents with potassium bromodifluoroacetate. <i>Journal of Fluorine Chemistry</i> , 2015, 171, 97-101.	1.7	35
30	Synthesis of 3-Fluoropyridines via Photoredox-Mediated Coupling of $\beta,\beta$ -Difluoro- $\alpha$ -iodoketones with Silyl Enol Ethers. <i>Journal of Organic Chemistry</i> , 2017, 82, 12967-12974.	3.2	32
31	Advances in the chemistry of organozinc reagents. <i>Tetrahedron Letters</i> , 2016, 57, 3986-3992.	1.4	31
32	Fluoroalkyl sulfides as photoredox-active coupling reagents for alkene difunctionalization. <i>Chemical Communications</i> , 2020, 56, 9453-9456.	4.1	31
33	Trifluoromethylation of Salicyl Aldimines. <i>Journal of Organic Chemistry</i> , 2007, 72, 8604-8607.	3.2	30
34	Trifluoromethylation of enamines under acidic conditions. <i>Tetrahedron Letters</i> , 2009, 50, 2994-2997.	1.4	30
35	Interaction of $\beta,\beta$ -difluorinated Iodides with Silyl Enol Ethers Mediated by Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3063-3067.	4.3	30
36	Reactions of $\text{CF}_3$ -substituted boranes with $\beta$ -diazocarbonyl compounds. <i>Tetrahedron Letters</i> , 2011, 52, 5259-5263.	1.4	29

#	ARTICLE	IF	CITATIONS
37	Activation of Pentafluorophenylsilanes by Weak Lewis Bases in Reaction with Iminium Cations. <i>Journal of Organic Chemistry</i> , 2006, 71, 7214-7223.	3.2	26
38	Light-Mediated Dual Phosphine-/Copper-Catalyzed Atom Transfer Radical Addition Reaction. <i>Journal of Organic Chemistry</i> , 2019, 84, 11068-11079.	3.2	26
39	Visible-Light-Mediated Organocatalyzed Thiolâ€Ene Reaction Initiated by a Proton-Coupled Electron Transfer. <i>Journal of Organic Chemistry</i> , 2019, 84, 8337-8343.	3.2	26
40	Visible-Light-Promoted Iododifluoromethylation of Alkenes via (Phosphonio)difluoromethyl Radical Cation. <i>Organic Letters</i> , 2020, 22, 2409-2413.	4.6	25
41	Reaction of Baylisâ€Hillman Adducts with Fluorinated Silanes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6779-6785.	2.4	24
42	Nucleophilic Iododifluoromethylation of Aldehydes Using Bromine/Iodine Exchange. <i>Journal of Organic Chemistry</i> , 2015, 80, 9349-9353.	3.2	24
43	Nucleophilic fluoroalkylation of (bromomethyl)pinacolborane using silicon reagents. <i>Journal of Fluorine Chemistry</i> , 2013, 154, 43-46.	1.7	23
44	Light-mediated copper-catalyzed phosphorus/halogen exchange in 1,1-difluoroalkylphosphonium salts. <i>Chemical Communications</i> , 2019, 55, 1314-1317.	4.1	23
45	Generation of Alkyl Radicals from Thiols via Zinc Thiolates: Application for the Synthesis of <i>gem</i> -Difluorostyrenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2888-2892.	4.3	22
46	Reaction of the Ruppertâ€Prakash reagent with perfluorosulfonic acids. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 667-670.	1.7	21
47	Photocatalyzed Decarboxylative Thiolation of Carboxylic Acids Enabled by Fluorinated Disulfide. <i>Organic Letters</i> , 2022, 24, 2354-2358.	4.6	21
48	Complexation of tris(pentafluorophenyl)silanes with neutral Lewis bases. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1005-1019.	1.8	19
49	Reactions of fluorinated silanes with 2-nitrocinnamates. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 378-381.	1.7	19
50	Photoredox Fluoroalkylation of Hydrazones in Neutral and Reductive Modes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1152-1158.	4.3	19
51	Copper-Catalyzed Coupling of Acyl Chlorides with <i>gem</i> -Difluorinated Organozinc Reagents via Acyl Dithiocarbamates. <i>Journal of Organic Chemistry</i> , 2018, 83, 478-483.	3.2	18
52	Boron Chelates Derived from <i>N</i> -Acylhydrazones as Radical Acceptors: Photocatalyzed Coupling of Hydrazones with Carboxylic Acids. <i>Organic Letters</i> , 2021, 23, 8973-8977.	4.6	18
53	Coupling of <i>1,1</i> -difluoro-substituted organozinc reagents with 1-bromoalkynes. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2145-2149.	2.2	17
54	Reaction of <i>gem</i> -difluorinated organozinc reagents with <i>1,2</i> -nitrostyrenes. <i>Journal of Fluorine Chemistry</i> , 2015, 176, 89-92.	1.7	16

#	ARTICLE	IF	CITATIONS
55	Coupling of gem -difluorinated organozinc reagents with S-electrophiles. <i>Journal of Fluorine Chemistry</i> , 2016, 191, 143-148.	1.7	16
56	Atom-transfer radical addition of fluoroalkyl bromides to alkenes <i>via</i> a photoredox/copper catalytic system. <i>Chemical Communications</i> , 2021, 57, 5219-5222.	4.1	15
57	Photoredox Activation of Organozinc Reagents: Barbier-Type Reaction of Alkyl Halides with Î±-(Trifluoromethyl)styrenes. <i>Organic Letters</i> , 2021, 23, 9645-9648.	4.6	15
58	Tris(pentafluorophenyl)silyl Triflate: Synthesis and Silylation of Carbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 5141-5148.	2.4	14
59	Chloride ion promoted nucleophilic pentafluorophenylation of imines. <i>Tetrahedron Letters</i> , 2006, 47, 8959-8963.	1.4	14
60	Synthesis of C6F5-Substituted Amines Containing Quaternary Carbon Atoms. <i>Synthesis</i> , 2006, 2006, 447-450.	2.3	14
61	Dimerization of Benzyl and Allyl Halides via Photoredox-Mediated Disproportionation of Organozinc Reagents. <i>Synthesis</i> , 2018, 50, 2930-2935.	2.3	14
62	Visible light-mediated difluoroalkylation of electron-deficient alkenes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1637-1641.	2.2	14
63	Nucleophilic difluoro(trimethylsilyl)methylation of arylidene Meldrum's acids. <i>Journal of Fluorine Chemistry</i> , 2015, 176, 57-60.	1.7	13
64	Reductive Bromodifluoromethylation of Nitrones Promoted by Visible Light. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4119-4122.	2.4	12
65	Photoredox Reaction of 2-Mercaptothiazolinium Salts with Silyl Enol Ethers. <i>Journal of Organic Chemistry</i> , 2019, 84, 15745-15753.	3.2	11
66	Synthesis of difluorosubstituted six-membered nitronates via an addition/substitution cascade. <i>Tetrahedron Letters</i> , 2016, 57, 3639-3642.	1.4	10
67	Visible Light Promoted 2â€Bromotetrafluoroethylation of Nitrones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3788-3792.	4.3	10
68	Interaction of difluoromethylene phosphobetaine with heteroatom-centered electrophiles. <i>Journal of Fluorine Chemistry</i> , 2019, 220, 78-82.	1.7	10
69	Photoredox Fluoroalkylation of Arylidene and Alkylidene Amidrazones. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 393-396.	2.4	10
70	Pentafluorophenylation of Î²-aminoacrylates. <i>Mendeleev Communications</i> , 2007, 17, 105-107.	1.6	8
71	Nucleophilic Pentafluorophenylation of Nitroalkenes. <i>Synthesis</i> , 2012, 44, 2436-2440.	2.3	8
72	Photocatalytic Atomâ€Ttransfer Radical Addition of Activated Chlorides to Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 5336-5340.	4.3	8

#	ARTICLE	IF	CITATIONS
73	Three-component reactions of CF <sub>3</sub> -substituted boranes, ethyl diazoacetate and imines. <i>Tetrahedron Letters</i> , 2012, 53, 6216-6218.	1.4	7
74	Coupling of N-acyliminium chlorides with gem-difluorinated organozinc reagents. <i>Mendeleev Communications</i> , 2017, 27, 139-140.	1.6	7
75	Photoredox mediated annelation of iododifluoromethylated alcohols with 1,1-diarylethylenes. <i>Tetrahedron</i> , 2018, 74, 7136-7142.	1.9	7
76	Using the Thiyl Radical for Aliphatic Hydrogen-Atom Transfer: Thiolation of Unactivated C-H Bonds. <i>Angewandte Chemie</i> , 2021, 133, 2885-2890.	2.0	7
77	Alkene homologation via visible light promoted hydrophosphination using triphenylphosphonium triflate. <i>Chemical Communications</i> , 2021, 57, 749-752.	4.1	7
78	Synthesis of Trifluoromethylated Dithiocarbamates via Photocatalyzed Substitution Reaction: Pentafluoropyridine as Activating Reagent. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1007-1010.	2.4	7
79	On the interaction of silyl triflates with enamines: iminium ion formation versus silylation. <i>Tetrahedron Letters</i> , 2005, 46, 3729-3732.	1.4	6
80	Reductive silylation of gem-difluorinated phosphonium salts. <i>Journal of Fluorine Chemistry</i> , 2018, 205, 58-61.	1.7	5
81	One-pot synthesis of $\alpha$ -trifluoromethylstyrenes from aryl ketones and the Ruppert-Prakash reagent. <i>Mendeleev Communications</i> , 2021, 31, 684-685.	1.6	4
82	Organophotoredox-Catalyzed Reductive Tetrafluoroalkylation of Alkenes. <i>Journal of Organic Chemistry</i> , 2023, 88, 6523-6531.	3.2	4
83	Photoredox-catalyzed silyldifluoromethylation of silyl enol ethers. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1550-1553.	2.2	3
84	Photoredox Catalyzed Dealkylative Aromatic Halogen Substitution with Tertiary Amines. <i>Molecules</i> , 2021, 26, 3323.	3.8	2
85	Synthesis of C <sub>6</sub> F <sub>5</sub> -Substituted Aminoethanols via Acetate Ion Mediated C <sub>6</sub> F <sub>5</sub> -Group Transfer Reaction. <i>Synthesis</i> , 2006, 2006, 489-495.	2.3	1
86	Allylic substitution reactions with fluorinated nucleophiles. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214455.	18.8	1
87	Tris(pentafluorophenyl)silyl Triflate: Synthesis and Silylation of Carbonyl Compounds.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
88	Interaction of Silyl Triflates with Enamines: Iminium Ion Formation versus Silylation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0