

# Erik J Alexanian

## List of Publications by Year in descending order

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45  
papers

3,447  
citations

159585

30  
h-index

189892

50  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Ring-Forming Aminoacetoxylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 7690-7691.	13.7	399
2	Site-Selective Aliphatic C-H Chlorination Using <i>N</i> -Chloroamides Enables a Synthesis of Chloroaldehyde. <i>Journal of the American Chemical Society</i> , 2016, 138, 696-702.	13.7	218
3	Palladium-Catalyzed Heck-Type Reactions of Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2011, 133, 20146-20148.	13.7	200
4	Site-Selective Aliphatic C-H Bromination Using <i>N</i> -Bromoamides and Visible Light. <i>Journal of the American Chemical Society</i> , 2014, 136, 14389-14392.	13.7	199
5	A General Strategy for Aliphatic C-H Functionalization Enabled by Organic Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 4213-4217.	13.7	175
6	Metal-Free, Aerobic Dioxygenation of Alkenes Using Simple Hydroxamic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2011, 133, 13320-13322.	13.7	136
7	Palladium-Catalyzed Heck-Type Cross-Couplings of Unactivated Alkyl Iodides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5974-5977.	13.8	135
8	Metal-Free Oxyaminations of Alkenes Using Hydroxamic Acids. <i>Journal of the American Chemical Society</i> , 2011, 133, 11402-11405.	13.7	131
9	Metal-Free, Aerobic Dioxygenation of Alkenes Using Hydroxamic Acids. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4491-4494.	13.8	125
10	C-H Xanthylation: A Synthetic Platform for Alkane Functionalization. <i>Journal of the American Chemical Society</i> , 2016, 138, 13854-13857.	13.7	117
11	Palladium-Catalyzed Carbonylative Heck-Type Reactions of Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2010, 132, 12823-12825.	13.7	111
12	C-H Alkylation via Multisite-Proton-Coupled Electron Transfer of an Aliphatic C-H Bond. <i>Journal of the American Chemical Society</i> , 2019, 141, 13253-13260.	13.7	100
13	Palladium-Catalyzed, Ring-Forming Aromatic C-H Alkylations with Unactivated Alkyl Halides. <i>Journal of the American Chemical Society</i> , 2015, 137, 3731-3734.	13.7	93
14	Diversification of aliphatic C-H bonds in small molecules and polyolefins through radical chain transfer. <i>Science</i> , 2022, 375, 545-550.	12.6	91
15	Manganese-Catalyzed Carboacylations of Alkenes with Alkyl Iodides. <i>Organic Letters</i> , 2016, 18, 4148-4150.	4.6	75
16	Transition-Metal (Pd, Ni, Mn)-Catalyzed C-C Bond Constructions Involving Unactivated Alkyl Halides and Fundamental Synthetic Building Blocks. <i>Accounts of Chemical Research</i> , 2019, 52, 1134-1144.	15.6	73
17	Palladium-Catalyzed Alkoxyacylation of Unactivated Secondary Alkyl Bromides at Low Pressure. <i>Journal of the American Chemical Society</i> , 2016, 138, 7520-7523.	13.7	72
18	Radical carboxygenations of alkenes using hydroxamic acids. <i>Chemical Science</i> , 2013, 4, 4030.	7.4	65

#	ARTICLE	IF	CITATIONS
19	Regioselective C-H Xanthylation as a Platform for Polyolefin Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6261-6265.	13.8	63
20	Palladium-Catalyzed Carbocyclizations of Unactivated Alkyl Bromides with Alkenes Involving Auto-tandem Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 11595-11600.	13.7	62
21	A General Approach to Site-Specific, Intramolecular C-H Functionalization Using Dithiocarbamates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13106-13109.	13.8	56
22	Rhodium(I)-Catalyzed Ene-Allene [2+2+2] Cycloadditions: Stereoselective Synthesis of Complex <i>trans</i> -Fused Carbocycles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6596-6600.	13.8	55
23	Chemo- and Regioselective Functionalization of Isotactic Polypropylene: A Mechanistic and Structure-Property Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 12815-12823.	13.7	55
24	Metal-free, aerobic ketoxygenation of alkenes using hydroxamic acids. <i>Chemical Science</i> , 2012, 3, 1672.	7.4	53
25	Reagent-dictated site selectivity in intermolecular aliphatic C-H functionalizations using nitrogen-centered radicals. <i>Chemical Science</i> , 2018, 9, 5360-5365.	7.4	53
26	Stereoselective Nickel-Catalyzed [2+2] Cycloadditions of Ene-Allenenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5447-5450.	13.8	46
27	Direct Decarboxylative Functionalization of Carboxylic Acids via O-H Hydrogen Atom Transfer. <i>Journal of the American Chemical Society</i> , 2020, 142, 44-49.	13.7	40
28	Enantioselective Intermolecular [2 + 2 + 2] Cycloadditions of Ene-Allenenes with Allenates. <i>Organic Letters</i> , 2012, 14, 6096-6099.	4.6	38
29	Identifying Amidyl Radicals for Intermolecular C-H Functionalizations. <i>Journal of Organic Chemistry</i> , 2019, 84, 12983-12991.	3.2	38
30	Stereoselective Nickel-Catalyzed [2+2+2] Cycloadditions and Alkenylative Cyclizations of Ene-Allenenes and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8424-8427.	13.8	31
31	Cobalt-Catalyzed Carbonylative Cross-Coupling of Alkyl Tosylates and Dienes: Stereospecific Synthesis of Dienones at Low Pressure. <i>Journal of the American Chemical Society</i> , 2017, 139, 12438-12440.	13.7	31
32	Cobalt-catalyzed aminocarbonylation of (hetero)aryl halides promoted by visible light. <i>Chemical Science</i> , 2020, 11, 7210-7213.	7.4	29
33	Nickel-Catalyzed Mizoroki-Heck Type Reactions of Unactivated Alkyl Bromides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16857-16860.	13.8	27
34	Cobalt-Catalyzed Aminocarbonylation of Alkyl Tosylates: Stereospecific Synthesis of Amides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9533-9536.	13.8	24
35	Alkene Hydrofunctionalization Using Hydroxamic Acids: A Radical-Mediated Approach to Alkene Hydration. <i>Organic Letters</i> , 2014, 16, 4304-4307.	4.6	21
36	Enantioselective Synthesis of <i>cis</i> -Fused Cyclooctanoids via Rhodium(I)-Catalyzed [4 + 2 + 2] Cycloadditions. <i>Organic Letters</i> , 2015, 17, 1284-1287.	4.6	18

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37	A General Approach to Site-Specific, Intramolecular C-H Functionalization Using Dithiocarbamates. <i>Angewandte Chemie</i> , 2018, 130, 13290-13293.	2.0	18
38	A General Approach to Quaternary Center Construction from Couplings of Unactivated Alkenes and Acyl Xanthates. <i>Organic Letters</i> , 2017, 19, 2350-2353.	4.6	14
39	Cobalt-Catalyzed Silylcarbonylation of Unactivated Secondary Alkyl Tosylates at Low Pressure. <i>Organic Letters</i> , 2017, 19, 4413-4415.	4.6	14
40	Regioselective C-H Xanthylation as a Platform for Polyolefin Functionalization. <i>Angewandte Chemie</i> , 2018, 130, 6369-6373.	2.0	11
41	Manganese-Catalyzed Stereospecific Hydroxymethylation of Alkyl Tosylates. <i>Organic Letters</i> , 2019, 21, 9268-9271.	4.6	10
42	Nickel-catalyzed, ring-forming aromatic C-H alkylations with unactivated alkyl halides. <i>Tetrahedron</i> , 2019, 75, 4143-4149.	1.9	9
43	Stereospecific Nickel-Catalyzed Reductive Cross-Coupling of Alkyl Tosylate and Allyl Alcohol Electrophiles. <i>Organic Letters</i> , 2021, 23, 7215-7219.	4.6	8
44	Nickel-Catalyzed Mizoroki-Heck-Type Reactions of Unactivated Alkyl Bromides. <i>Angewandte Chemie</i> , 2018, 130, 17099-17102.	2.0	6
45	Cobalt-Catalyzed Aminocarbonylation of Alkyl Tosylates: Stereospecific Synthesis of Amides. <i>Angewandte Chemie</i> , 2019, 131, 9633-9636.	2.0	3