

# Erik J Alexanian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2517345/publications.pdf>

Version: 2024-02-01

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  | 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        |
| 2  | Stereospecific Nickel-Catalyzed Reductive Cross-Coupling of Alkyl Tosylate and Allyl Alcohol Electrophiles. <i>Organic Letters</i> , 2021, 23, 7215-7219.   | 4.6  | 8         |
| 3  | 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        |
| 4  | Cobalt-catalyzed aminocarbonylation of (hetero)aryl halides promoted by visible light. <i>Chemical Science</i> , 2020, 11, 7210-7213.   | 7.4  | 29        |
| 5  | 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        |
| 6  | Identifying Amidyl Radicals for Intermolecular C-H Functionalizations. <i>Journal of Organic Chemistry</i> , 2019, 84, 12983-12991.   | 3.2  | 38        |
| 7  | 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       |
| 8  | Manganese-Catalyzed Stereospecific Hydroxymethylation of Alkyl Tosylates. <i>Organic Letters</i> , 2019, 21, 9268-9271.   | 4.6  | 10        |
| 9  | Nickel-catalyzed, ring-forming aromatic C-H alkylations with unactivated alkyl halides. <i>Tetrahedron</i> , 2019, 75, 4143-4149.   | 1.9  | 9         |
| 10 | Cobalt-Catalyzed Aminocarbonylation of Alkyl Tosylates: Stereospecific Synthesis of Amides. <i>Angewandte Chemie</i> , 2019, 131, 9633-9636.  | 2.0  | 3         |
| 11 | Cobalt-Catalyzed Aminocarbonylation of Alkyl Tosylates: Stereospecific Synthesis of Amides. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9533-9536.                                       | 13.8 | 24        |
| 12 | 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        |
| 13 | 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       |
| 14 | Regioselective C-H Xanthylation as a Platform for Polyolefin Functionalization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6261-6265.   | 13.8 | 63        |
| 15 | Nickel-Catalyzed Mizoroki-Heck-Type Reactions of Unactivated Alkyl Bromides. <i>Angewandte Chemie</i> , 2018, 130, 17099-17102.   | 2.0  | 6         |
| 16 | Nickel-Catalyzed Mizoroki-Heck-Type Reactions of Unactivated Alkyl Bromides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16857-16860.  | 13.8 | 27        |
| 17 | A General Approach to Site-Specific, Intramolecular C-H Functionalization Using Dithiocarbamates. <i>Angewandte Chemie</i> , 2018, 130, 13290-13293.  | 2.0  | 18        |
| 18 | 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        |

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|----|--|------|-----------|
| 19 | 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        |
| 20 | Regioselective C-H Xanthylation as a Platform for Polyolefin Functionalization. <i>Angewandte Chemie</i> , 2018, 130, 6369-6373.   | 2.0  | 11        |
| 21 | 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        |
| 22 | 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        |
| 23 | 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        |
| 24 | Cobalt-Catalyzed Silylcarbonylation of Unactivated Secondary Alkyl Tosylates at Low Pressure. <i>Organic Letters</i> , 2017, 19, 4413-4415.  | 4.6  | 14        |
| 25 | Manganese-Catalyzed Carboacylations of Alkenes with Alkyl Iodides. <i>Organic Letters</i> , 2016, 18, 4148-4150.   | 4.6  | 75        |
| 26 | C-H Xanthylation: A Synthetic Platform for Alkane Functionalization. <i>Journal of the American Chemical Society</i> , 2016, 138, 13854-13857.   | 13.7 | 117       |
| 27 | Palladium-Catalyzed Alkoxy carbonylation of Unactivated Secondary Alkyl Bromides at Low Pressure. <i>Journal of the American Chemical Society</i> , 2016, 138, 7520-7523.                                    | 13.7 | 72        |
| 28 | Site-Selective Aliphatic C-H Chlorination Using <i>N</i> -Chloroamides Enables a Synthesis of Chloroisoimide. <i>Journal of the American Chemical Society</i> , 2016, 138, 696-702.                          | 13.7 | 218       |
| 29 | Enantioselective Synthesis of cis-Fused Cyclooctanoids via Rhodium(I)-Catalyzed [4 + 2 + 2] Cycloadditions. <i>Organic Letters</i> , 2015, 17, 1284-1287.  | 4.6  | 18        |
| 30 | 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        |
| 31 | Stereoselective Nickel-Catalyzed [2+2] Cycloadditions of Ene-Allenenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5447-5450.  | 13.8 | 46        |
| 32 | Palladium-Catalyzed Heck-Type Cross-Couplings of Unactivated Alkyl Iodides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5974-5977.  | 13.8 | 135       |
| 33 | Alkene Hydrofunctionalization Using Hydroxamic Acids: A Radical-Mediated Approach to Alkene Hydration. <i>Organic Letters</i> , 2014, 16, 4304-4307.   | 4.6  | 21        |
| 34 | 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       |
| 35 | 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        |
| 36 | Radical carboxygenations of alkenes using hydroxamic acids. <i>Chemical Science</i> , 2013, 4, 4030.   | 7.4  | 65        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Enantioselective Intermolecular [2 + 2 + 2] Cycloadditions of Ene-Allenes with Allenates. <i>Organic Letters</i> , 2012, 14, 6096-6099.   | 4.6  | 38        |
| 38 | Metal-free, aerobic ketoxygenation of alkenes using hydroxamic acids. <i>Chemical Science</i> , 2012, 3, 1672.  | 7.4  | 53        |
| 39 | Palladium-Catalyzed Heck-Type Reactions of Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2011, 133, 20146-20148.   | 13.7 | 200       |
| 40 | Metal-Free Oxyaminations of Alkenes Using Hydroxamic Acids. <i>Journal of the American Chemical Society</i> , 2011, 133, 11402-11405.   | 13.7 | 131       |
| 41 | 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       |
| 42 | 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        |
| 43 | Metal-Free, Aerobic Dioxygenation of Alkenes Using Hydroxamic Acids. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4491-4494.  | 13.8 | 125       |
| 44 | Palladium-Catalyzed Carbonylative Heck-Type Reactions of Alkyl Iodides. <i>Journal of the American Chemical Society</i> , 2010, 132, 12823-12825.   | 13.7 | 111       |
| 45 | Palladium-Catalyzed Ring-Forming Aminoacetoxylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 7690-7691.   | 13.7 | 399       |