Jennifer L Roizen

List of Publications by Year
in descending order

34 papers	2,404 citations	331670 21 h-index	345221 36 g-index
48 all docs	48 docs citations	48 times ranked	2054 citing authors

#	Article	IF	Citations
1	Metal-Catalyzed Nitrogen-Atom Transfer Methods for the Oxidation of Aliphatic Câ€“H Bonds. Accounts of Chemical Research, 2012, 45, 911-922.	15.6	791
2	Enantioselective Decarboxylative Alkylation Reactions: Catalyst Development, Substrate Scope, and Mechanistic Studies. Chemistry - A European Journal, 2011, 17, 14199-14223.	3.3	180
3	Strategies to Generate Nitrogen-centered Radicals That May Rely on Photoredox Catalysis: Development in Reaction Methodology and Applications in Organic Synthesis. Chemical Reviews, 2022, 122, 2353-2428.	47.7	170
4	Analyzing Site Selectivity in Rh₂(esp)₂-Catalyzed Intermolecular Câ€“H Amination Reactions. Journal of the American Chemical Society, 2014, 136, 5783-5789.	13.7	141
5	Selective Intermolecular Amination of Cï£¿H Bonds at Tertiary Carbon Centers. Angewandte Chemie - International Edition, 2013, 52, 11343-11346.	13.8	130
6	Recent Advances in Photoredoxâ€Mediated Radical Conjugate Addition Reactions: An Expanding Toolkit for the Giese Reaction. Angewandte Chemie - International Edition, 2021, 60, 21116-21149.	13.8	124
7	Sulfamate Esters Guide Selective Radicalâ€Mediated Chlorination of Aliphatic Câˆ’H Bonds. Angewandte Chemie - International Edition, 2018, 57, 296-299.	13.8	101
8	Capturing fleeting intermediates in a catalytic Câ€“H amination reaction cycle. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18295-18299.	7.1	93
9	Catalytic Enantioselective Alkylation of Substituted Dioxanone Enol Ethers: Ready Access to C(Î±)â€Tetrasubstituted Hydroxyketones, Acids, and Esters. Angewandte Chemie - International Edition, 2008, 47, 6873-6876.	13.8	79
10	Total Synthesis of (âˆ’)-Hennoxazole A. Journal of Organic Chemistry, 2008, 73, 142-150.	3.2	38
11	Enantioselective, convergent synthesis of the ineleganolide core by a tandem annulation cascade. Chemical Science, 2017, 8, 507-514.	7.4	36
12	Modifying Positional Selectivity in Câ€“H Functionalization Reactions with Nitrogen-Centered Radicals: Generalizable Approaches to 1,6-Hydrogen-Atom Transfer Processes. Synlett, 2020, 31, 102-116.	1.8	34
13	Sulfamate Esters Guide Selective Radicalâ€Mediated Chlorination of Aliphatic Câˆ’H Bonds. Angewandte Chemie, 2018, 130, 302-305.	2.0	33
14	Sulfamyl Radicals Direct Photoredox-Mediated Giese Reactions at Unactivated C(3)â€“H Bonds. Organic Letters, 2019, 21, 6089-6095.	4.6	33
15	Sulfamides direct radical-mediated chlorination of aliphatic Câ€“H bonds. Chemical Science, 2020, 11, 217-223.	7.4	33
16	Sulfamate Esters Guide C(3)-Selective Xanthylation of Alkanes. Journal of Organic Chemistry, 2019, 84, 3508-3523.	3.2	30
17	Development of a Unified Enantioselective, Convergent Synthetic Approach Toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Asymmetric Formation of the Polycyclic Norditerpenoid Carbocyclic Core by Tandem Annulation Cascade. Journal of Organic Chemistry, 2018, 83, 3467-3485.	3.2	28
18	Synthesis of N-Substituted Sulfamate Esters from Sulfamic Acid Salts by Activation with Triphenylphosphine Ditriflate. Organic Letters, 2017, 19, 6012-6015.	4.6	25

#	Article	IF	Citations
19	Selective and Serial Suzukiâ€“Miyaura Reactions of Polychlorinated Aromatics with Alkyl Pinacol Boronic Esters. Organic Letters, 2016, 18, 4440-4443.	4.6	23
20	Iron(MCP) Complexes Catalyze Aziridination with Olefins As Limiting Reagents. Journal of Organic Chemistry, 2018, 83, 5072-5081.	3.2	23
21	Photochemically Mediated Nickel-Catalyzed Synthesis of N-(Hetero)aryl Sulfamides. Journal of Organic Chemistry, 2020, 85, 6380-6391.	3.2	23
22	Total Synthesis of (â^')-Hennoxazole A. Organic Letters, 2007, 9, 1153-1155.	4.6	22
23	Enantioselective Synthesis of a Hydroxymethyl-cis-1,3-cyclopentenediol Building Block. Organic Letters, 2012, 14, 5716-5719.	4.6	21
24	Speciation and decomposition pathways of ruthenium catalysts used for selective Câ€“H hydroxylation. Chemical Science, 2014, 5, 3309-3314.	7.4	20
25	Photochemically-Mediated, Nickel-Catalyzed Synthesis of N-(Hetero)aryl Sulfamate Esters. Organic Letters, 2019, 21, 7049-7054.	4.6	20
26	Model Studies To Access the [6,7,5,5]-Core of Ineleganolide Using Tandem Translactonizationâ€“Cope or Cyclopropanationâ€“Cope Rearrangements as Key Steps. Journal of Organic Chemistry, 2017, 82, 13051-13067.	3.2	16
27	Catalytic Strategies to Convert 2â€Halopyridines to 2â€Alkylpyridines. Asian Journal of Organic Chemistry, 2019, 8, 920-930.	2.7	16
28	Recent Advances in Photoredoxâ€Mediated Radical Conjugate Addition Reactions: An Expanding Toolkit for the Giese Reaction. Angewandte Chemie, 2021, 133, 21286-21319.	2.0	15
29	Unified Enantioselective, Convergent Synthetic Approach toward the Furanobutenolide-Derived Polycyclic Norcembranoid Diterpenes: Synthesis of a Series of Ineleganoloids by Oxidation-State Manipulation of the Carbocyclic Core. Journal of Organic Chemistry, 2019, 84, 7722-7746.	3.2	14
30	Efficient synthesis of unsymmetrical sulfamides from sulfamic acid salts by activation with triphenylphosphine ditriflate. Tetrahedron, 2019, 75, 3186-3194.	1.9	10
31	Exhaustive Suzukiâ€“Miyaura reactions of polyhalogenated heteroarenes with alkyl boronic pinacol esters. Chemical Communications, 2017, 53, 7270-7273.	4.1	8
32	Rhodium-Catalyzed Câ€“H Amination: A Case Study of Selectivity in Câ€“H Functionalization Reactions. Journal of Chemical Education, 2018, 95, 2243-2248.	2.3	7
33	Easy access to elusive radical reactions. Science, 2018, 362, 157-158.	12.6	3
34	A five-coordinate iron(III) porphyrin complex including a neutral axial pyridine N-oxide ligand. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 717-722.	0.5	0