Matthew T Richers

List of Publications by Year
in descending order

19	644	687363 13	794594 19
papers	citations	h-index	g-index

23	23	23	715
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dendrimer Conjugation Enables Multiphoton Chemical Neurophysiology Studies with an Extended Ï€â€Electron Caging Chromophore. Angewandte Chemie, 2019, 131, 12214-12218.	2.0	4
2	Dendrimer Conjugation Enables Multiphoton Chemical Neurophysiology Studies with an Extended Ï€â€Electron Caging Chromophore. Angewandte Chemie - International Edition, 2019, 58, 12086-12090.	13.8	15
3	Chemical tuning of photoswitchable azobenzenes: a photopharmacological case study using nicotinic transmission. Beilstein Journal of Organic Chemistry, 2019, 15, 2812-2821.	2.2	6
4	Coumarin-diene photoswitches for rapid and efficient isomerization with visible light. Chemical Communications, 2018, 54, 4983-4986.	4.1	13
5	Optical probing of acetylcholine receptors on neurons in the medial habenula with a novel caged nicotine drug analogue. Journal of Physiology, 2018, 596, 5307-5318.	2.9	14
6	Thermodynamically Stable, Photoreversible Pharmacology in Neurons with Oneâ€•and Twoâ€Photon Excitation. Angewandte Chemie - International Edition, 2018, 57, 12554-12557.	13.8	17
7	Thermodynamically Stable, Photoreversible Pharmacology in Neurons with Oneâ€•and Twoâ€Photon Excitation. Angewandte Chemie, 2018, 130, 12734-12737.	2.0	6
8	Cloaked Caged Compounds: Chemical Probes for Twoâ€Photon Optoneurobiology. Angewandte Chemie - International Edition, 2017, 56, 193-197.	13.8	40
9	Cloaked Caged Compounds: Chemical Probes for Twoâ€Photon Optoneurobiology. Angewandte Chemie, 2017, 129, 199-203.	2.0	11
10	Two-color, one-photon uncaging of glutamate and GABA. PLoS ONE, 2017, 12, e0187732.	2.5	13
11	Development of Anionically Decorated Caged Neurotransmitters: In Vitro Comparison of 7â€Nitroindolinylâ€•and 2â€(pâ€Phenylâ€oâ€nitrophenyl)propylâ€Based Photochemical Probes. ChemBioChem, 2016, 17, 953-961.	2.6	23
12	Câ€“H functionalization of cyclic amines: redox-annulations with Î±,Î²-unsaturated carbonyl compounds. Chemical Communications, 2015, 51, 10648-10651.	4.1	40
13	Redox-Neutral Î±-Oxygenation of Amines: Reaction Development and Elucidation of the Mechanism. Journal of the American Chemical Society, 2014, 136, 6123-6135.	13.7	128
14	Redox-Neutral Î±-Sulfenylation of Secondary Amines: Ring-Fused N,S-Acetals. Organic Letters, 2014, 16, 3556-3559.	4.6	63
15	Facile Access to Ring-Fused Aminals via Direct Î±-Amination of Secondary Amines with o-Aminobenzaldehydes: Synthesis of Vasicine, Deoxyvasicine, Deoxyvasicinone, Mackinazolinone, and Ruteacarpine. Synthesis, 2013, 45, 1730-1748.	2.3	48
16	Metal-Free Î±-Amination of Secondary Amines: Computational and Experimental Evidence for Azaquinone Methide and Azomethine Ylide Intermediates. Journal of Organic Chemistry, 2013, 78, 4132-4144.	3.2	80
17	Selective copper(II) acetate and potassium iodide catalyzed oxidation of aminals to dihydroquinazoline and quinazolinone alkaloids. Beilstein Journal of Organic Chemistry, 2013, 9, 1194-1201.	2.2	40
18	Facile Access to Ring-Fused Aminals via Direct Î±-Amination of Secondary Amines with -Aminobenzaldehydes. Synthesis of Vasicine, Deoxyvasicine, Deoxyvasicinone, Mackinazolinone and Ruteacarpine. Synthesis, 2013, 45, 1430-1748.	2.3	14

#	Article	IF	Citations
19	The Decarboxylative Strecker Reaction. Organic Letters, 2011, 13, 6584-6587.	4.6	69