Aaron M Bender

List of Publications by Year in Descending Order

24 papers	302 citations	10 h-index	17 g-index
24 ext. papers	359 ext. citations	5.1 avg, IF	3.36 L-index

#	Paper	IF	Citations
24	Synthesis and characterization of chiral 6-azaspiro[2.5]octanes as potent and selective antagonists of the M muscarinic acetylcholine receptor. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 56, 128479	2.9	
23	Discovery of the First Selective M Muscarinic Acetylcholine Receptor Antagonists with Antiparkinsonian and Antidystonic Efficacy. *ACS Pharmacology and Translational Science*, **2021**, 4, 1306-1321	5.9	5
22	Discovery of VU6028418: A Highly Selective and Orally Bioavailable M Muscarinic Acetylcholine Receptor Antagonist. *ACS Medicinal Chemistry Letters*, **2021**, 12, 1342-1349	4.3	2
21	Discovery of a novel class of heteroaryl-pyrrolidinones as positive allosteric modulators of the muscarinic acetylcholine receptor M. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 47, 128193	2.9	0
20	Synthesis of Substituted 6,7-Dihydro-5-pyrrolo[2,3-]pyridazines/pyrazines via Catalyst-Free Tandem Hydroamination-Aromatic Substitution. *Journal of Organic Chemistry*, **2020**, 85, 6123-6130	4.2	4
19	DARK Classics in Chemical Neuroscience: Carfentanil. *ACS Chemical Neuroscience*, **2020**,	5.7	7
18	Dual Pharmacophores Explored via Structure-Activity Relationship (SAR) Matrix: Insights into Potent, Bifunctional Opioid Ligand Design. *Journal of Medicinal Chemistry*, **2019**, 62, 4193-4203	8.3	5
17	Discovery of Tricyclic Triazolo- and Imidazopyridine Lactams as M Positive Allosteric Modulators. *ACS Chemical Neuroscience*, **2019**, 10, 1035-1042	5.7	5
16	Biased M receptor-positive allosteric modulators reveal role of phospholipase D in M-dependent rodent cortical plasticity. *Science Signaling*, **2019**, 12,	8.8	7
15	The discovery of VU0652957 (VU2957, Valiglurax): SAR and DMPK challenges en route to an mGlu PAM development candidate. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 342-346	2.9	6
14	The Muscarinic Acetylcholine Receptor M: Therapeutic Implications and Allosteric Modulation. *ACS Chemical Neuroscience*, **2019**, 10, 1025-1034	5.7	12
13	Discovery and Optimization of Potent and CNS Penetrant M-Preferring Positive Allosteric Modulators Derived from a Novel, Chiral N-(Indanyl)piperidine Amide Scaffold. *ACS Chemical Neuroscience*, **2018**, 9, 1572-1581	5.7	7
12	Structure-Activity Relationships of Pan-G□Coupled Muscarinic Acetylcholine Receptor Positive Allosteric Modulators. *ACS Chemical Neuroscience*, **2018**, 9, 1818-1828	5.7	5
11	Discovery, Characterization, and Effects on Renal Fluid and Electrolyte Excretion of the Kir4.1 Potassium Channel Pore Blocker, VU0134992. *Molecular Pharmacology*, **2018**, 94, 926-937	4.3	24
10	Classics in Chemical Neuroscience: Xanomeline. *ACS Chemical Neuroscience*, **2017**, 8, 435-443	5.7	26
9	Synthesis and evaluation of 4,6-disubstituted pyrimidines as CNS penetrant pan-muscarinic antagonists with a novel chemotype. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 2479-2483	2.9	2
8	Discovery and optimization of 3-(4-aryl/heteroarylsulfonyl)piperazin-1-yl)-6-(piperidin-1-yl)pyridazines as novel, CNS penetrant pan-muscarinic antagonists. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3576-3581	2.9	7

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7	Preparation of Unsymmetrical 1,2,4,5-Tetrazines via a Mild Suzuki Cross-Coupling Reaction. *Organic Letters*, **2017**, 19, 5693-5696	6.2	22
6	Classics in Chemical Neuroscience: Memantine. *ACS Chemical Neuroscience*, **2017**, 8, 1823-1829	5.7	38
5	Effects of N-Substitutions on the Tetrahydroquinoline (THQ) Core of Mixed-Efficacy δ-Opioid Receptor (MOR)/δ-Opioid Receptor (DOR) Ligands. *Journal of Medicinal Chemistry*, **2016**, 59, 4985-98	8.3	30
4	Rapid Synthesis of Boc-2′,6′-dimethyl-l-tyrosine and Derivatives and Incorporation into Opioid Peptidomimetics. *ACS Medicinal Chemistry Letters*, **2015**, 6, 1199-203	4.3	13
3	Asymmetric synthesis and in vitro and in vivo activity of tetrahydroquinolines featuring a diverse set of polar substitutions at the 6 position as mixed-efficacy δ-opioid receptor/μ-opioid receptor ligands. *ACS Chemical Neuroscience*, **2015**, 6, 1428-35	5.7	22
2	Synthesis and evaluation of 4-substituted piperidines and piperazines as balanced affinity δ-opioid receptor (MOR) agonist/μ-opioid receptor (DOR) antagonist ligands. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 548-51	2.9	12
1	Opioid peptidomimetics: leads for the design of bioavailable mixed efficacy δ-opioid receptor (MOR) agonist/μ-opioid receptor (DOR) antagonist ligands. *Journal of Medicinal Chemistry*, **2013**, 56, 2139-49	8.3	41