Michael D Bartberger

List of Publications by Year
in descending order

33 papers	3,349 citations	201575 27 h-index	395590 33 g-index
33 all docs	33 docs citations	33 times ranked	4483 citing authors

#	Article	IF	Citations
1	A Survey of the Role of Noncovalent Sulfur Interactions in Drug Design. Journal of Medicinal Chemistry, 2015, 58, 4383-4438.	2.9	582
2	The reduction potential of nitric oxide (NO) and its importance to NO biochemistry. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10958-10963.	3.3	339
3	A biochemical rationale for the discrete behavior of nitroxyl and nitric oxide in the cardiovascular system. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9196-9201.	3.3	265
4	Discovery of AMG 232, a Potent, Selective, and Orally Bioavailable MDM2â€“p53 Inhibitor in Clinical Development. Journal of Medicinal Chemistry, 2014, 57, 1454-1472.	2.9	223
5	The Physiological Chemistry and Biological Activity of Nitroxyl (HNO):â€‰ The Neglected, Misunderstood, and Enigmatic Nitrogen Oxide. Chemical Research in Toxicology, 2005, 18, 790-801.	1.7	165
6	Structure-Based Design of Novel Inhibitors of the MDM2â€“p53 Interaction. Journal of Medicinal Chemistry, 2012, 55, 4936-4954.	2.9	151
7	Discovery and Optimization of Chromenotriazolopyrimidines as Potent Inhibitors of the Mouse Double Minute 2â^'Tumor Protein 53 Proteinâ^'Protein Interaction. Journal of Medicinal Chemistry, 2009, 52, 7044-7053.	2.9	139
8	From Fragment Screening to In Vivo Efficacy: Optimization of a Series of 2-Aminoquinolines as Potent Inhibitors of Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 (BACE1). Journal of Medicinal Chemistry, 2011, 54, 5836-5857.	2.9	128
9	Sâ^'N Dissociation Energies of S-Nitrosothiols:â€‰ On the Origins of Nitrosothiol Decomposition Rates. Journal of the American Chemical Society, 2001, 123, 8868-8869.	6.6	126
10	Photophysics of Ï€-Conjugated Polymers That Incorporate Metal to Ligand Charge Transfer Chromophores. Journal of the American Chemical Society, 1997, 119, 3423-3424.	6.6	119
11	Comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. Journal of Inorganic Biochemistry, 2003, 93, 52-60.	1.5	114
12	Theory, Spectroscopy, and Crystallographic Analysis ofS-Nitrosothiols:Â Conformational Distribution Dictates Spectroscopic Behavior. Journal of the American Chemical Society, 2000, 122, 5889-5890.	6.6	109
13	Antidiabetic effects of glucokinase regulatory protein small-molecule disruptors. Nature, 2013, 504, 437-440.	13.7	94
14	Selective and Potent Morpholinone Inhibitors of the MDM2â€“p53 Proteinâ€“Protein Interaction. Journal of Medicinal Chemistry, 2014, 57, 2472-2488.	2.9	76
15	Nitroxyl Disulfides, Novel Intermediates in Transnitrosation Reactions. Journal of the American Chemical Society, 2003, 125, 6972-6976.	6.6	72
16	Rational Design and Binding Mode Duality of MDM2â€“p53 Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 4053-4070.	2.9	71
17	Ketone-Catalyzed Decomposition of Peroxynitrite via Dioxirane Intermediates. Journal of the American Chemical Society, 1999, 121, 11976-11983.	6.6	60
18	Fragment-Linking Approach Using ¹⁹F NMR Spectroscopy To Obtain Highly Potent and Selective Inhibitors of Î²-Secretase. Journal of Medicinal Chemistry, 2016, 59, 3732-3749.	2.9	59

#	Article	IF	Citations
19	Theoretical Evidence for Enhanced NO Dimerization in Aromatic Hosts:Â Implications for the Role of the Electrophile (NO)2in Nitric Oxide Chemistry. Journal of the American Chemical Society, 2005, 127, 7964-7965.	6.6	50
20	Kinetic and Computational Studies of a Novel Pseudopericyclic Electrocyclization. The First Evidence for Torquoselectivity in a 6-Ï€ System. Journal of the American Chemical Society, 1997, 119, 12366-12367.	6.6	49
21	Small Molecule Disruptors of the Glucokinaseâ€“Glucokinase Regulatory Protein Interaction: 3. Structureâ€“Activity Relationships within the Aryl Carbinol Region of the N-Arylsulfonamido-Nâ€²-arylpiperazine Series. Journal of Medicinal Chemistry, 2014, 57, 3094-3116.	2.9	46
22	Mechanisms of Peroxynitrite Oxidations and Rearrangements:â€‰ The Theoretical Perspective. Chemical Research in Toxicology, 1998, 11, 710-711.	1.7	38
23	The chemical biology of HNO signaling. Archives of Biochemistry and Biophysics, 2017, 617, 129-136.	1.4	38
24	Discovery and Structure-Guided Optimization of Diarylmethanesulfonamide Disrupters of Glucokinaseâ€“Glucokinase Regulatory Protein (GKâ€“GKRP) Binding: Strategic Use of a N â†’ S (n_N â†’ Ïƒ*_{Sâ€“X}) Interaction for Conformational Constraint. Journal of Medicinal Chemistry, 2015, 58, 9663-9679.	2.9	33
25	N-substituted azaindoles as potent inhibitors of Cdc7 kinase. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2056-2060.	1.0	30
26	An Orally Available BACE1 Inhibitor That Affords Robust CNS AÎ² Reduction without Cardiovascular Liabilities. ACS Medicinal Chemistry Letters, 2015, 6, 210-215.	1.3	30
27	Density Functional Theory Calculations of the Effect of Fluorine Substitution on the Kinetics of Cyclopropylcarbinyl Radical Ring Openings. Journal of Organic Chemistry, 1999, 64, 540-546.	1.7	29
28	Discovery of Potent and Simplified Piperidinone-Based Inhibitors of the MDM2â€“p53 Interaction. ACS Medicinal Chemistry Letters, 2014, 5, 894-899.	1.3	25
29	C-Nitroso Donors of Nitric Oxide. Journal of Organic Chemistry, 2009, 74, 1450-1453.	1.7	23
30	Small Molecule Disruptors of the Glucokinaseâ€“Glucokinase Regulatory Protein Interaction: 5. A Novel Aryl Sulfone Series, Optimization Through Conformational Analysis. Journal of Medicinal Chemistry, 2015, 58, 4462-4482.	2.9	23
31	Small Molecule Disruptors of the Glucokinaseâ€“Glucokinase Regulatory Protein Interaction: 2. Leveraging Structure-Based Drug Design to Identify Analogues with Improved Pharmacokinetic Profiles. Journal of Medicinal Chemistry, 2014, 57, 325-338.	2.9	22
32	Small Molecule Disruptors of the Glucokinaseâ€“Glucokinase Regulatory Protein Interaction: 4. Exploration of a Novel Binding Pocket. Journal of Medicinal Chemistry, 2014, 57, 5949-5964.	2.9	11
33	Telescoped Process to Manufacture 6,6,6-Trifluorofucose via Diastereoselective Transfer Hydrogenation: Scalable Access to an Inhibitor of Fucosylation Utilized in Monoclonal Antibody Production. Journal of Organic Chemistry, 2016, 81, 4736-4743.	1.7	10