Bryan Knuckley

List of Publications by Year
in descending order

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29 papers	1,779 citations	393982 19 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	1594 citing authors

#	Article	IF	Citations
1	N-Î±-Benzoyl-N5-(2-Chloro-1-Iminoethyl)-<scp>l</scp>-Ornithine Amide, a Protein Arginine Deiminase Inhibitor, Reduces the Severity of Murine Collagen-Induced Arthritis. Journal of Immunology, 2011, 186, 4396-4404.	0.4	261
2	Inhibitors and Inactivators of Protein Arginine Deiminase 4:Â Functional and Structural Characterizationâ€,â€¡. Biochemistry, 2006, 45, 11727-11736.	1.2	246
3	Substrate Specificity and Kinetic Studies of PADs 1, 3, and 4 Identify Potent and Selective Inhibitors of Protein Arginine Deiminase 3. Biochemistry, 2010, 49, 4852-4863.	1.2	158
4	A Fluoroacetamidine-Based Inactivator of Protein Arginine Deiminase 4:Â Design, Synthesis, and in Vitro and in Vivo Evaluation. Journal of the American Chemical Society, 2006, 128, 1092-1093.	6.6	137
5	Felty's syndrome autoantibodies bind to deiminated histones and neutrophil extracellular chromatin traps. Arthritis and Rheumatism, 2012, 64, 982-992.	6.7	121
6	Protein arginine deiminase 4 (PAD4): Current understanding and future therapeutic potential. Current Opinion in Drug Discovery & Development, 2009, 12, 616-27.	1.9	113
7	Protein Arginine Deiminase 4:â€‰ Evidence for a Reverse Protonation Mechanism. Biochemistry, 2007, 46, 6578-6587.	1.2	89
8	A fluopol-ABPP HTS assay to identify PAD inhibitors. Chemical Communications, 2010, 46, 7175.	2.2	79
9	Profiling Protein Arginine Deiminase 4 (PAD4): A novel screen to identify PAD4 inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 739-745.	1.4	77
10	The Development of N-(2-Carboxyl)benzoyl-N⁵-(2-fluoro-1-iminoethyl)-<scp>l</scp>-ornithine Amide (o-F-amidine) and N-(2-Carboxyl)benzoyl-N⁵-(2-chloro-1-iminoethyl)-<scp>l</scp>-ornithine Amide (o-Cl-amidine) As Second Generation Protein Arginine Deiminase (PAD) Inhibitors. Journal of Medicinal Chemistry, 2011, 54, 6919-6935.	2.9	76
11	Activity-Based Protein Profiling Reagents for Protein Arginine Deiminase 4 (PAD4):â€‰ Synthesis and in vitro Evaluation of a Fluorescently Labeled Probe. Journal of the American Chemical Society, 2006, 128, 14468-14469.	6.6	64
12	Haloacetamidineâ€Based Inactivators of Protein Arginine Deiminase 4 (PAD4): Evidence that General Acid Catalysis Promotes Efficient Inactivation. ChemBioChem, 2010, 11, 161-165.	1.3	49
13	Post-Training Lesions of the Medial Prefrontal Cortex Interfere with Subsequent Performance of Trace Eyeblink Conditioning. Journal of Neuroscience, 2005, 25, 10740-10746.	1.7	44
14	Two Distinct Cyclodipeptide Synthases from a Marine Actinomycete Catalyze Biosynthesis of the Same Diketopiperazine Natural Product. ACS Synthetic Biology, 2016, 5, 547-553.	1.9	38
15	Mechanistic Studies of Protein Arginine Deiminase 2: Evidence for a Substrate-Assisted Mechanism. Biochemistry, 2014, 53, 4426-4433.	1.2	36
16	Prefrontal control of trace versus delay eyeblink conditioning: Role of the unconditioned stimulus in rabbits (Oryctolagus cuniculus).. Behavioral Neuroscience, 2006, 120, 1033-1042.	0.6	33
17	Probing adenylation: using a fluorescently labelled ATP probe to directly label and immunoprecipitate VopS substrates. Molecular BioSystems, 2012, 8, 1701.	2.9	25
18	Characterization and inactivation of an agmatine deiminase from Helicobacter pylori. Bioorganic Chemistry, 2010, 38, 62-73.	2.0	22

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19	Galantamine Facilitates Acquisition of a Trace-Conditioned Eyeblink Response in Healthy, Young Rabbits. Learning and Memory, 2004, 11, 116-122.	0.5	20
20	Prefrontal control of trace eyeblink conditioning in rabbits (Oryctolagus cuniculus) II: Effects of type of unconditioned stimulus (airpuff vs. periorbital shock) and unconditioned stimulus intensity. Physiology and Behavior, 2009, 96, 67-72.	1.0	18
21	Ibotenic acid lesions to ventrolateral thalamic nuclei disrupts trace and delay eyeblink conditioning in rabbits. Behavioural Brain Research, 2007, 179, 111-117.	1.2	11
22	Development of a Plate-Based Screening Assay to Investigate the Substrate Specificity of the PRMT Family of Enzymes. ACS Combinatorial Science, 2015, 17, 500-505.	3.8	11
23	Mechanistic studies of the agmatine deiminase from Listeria monocytogenes. Biochemical Journal, 2016, 473, 1553-1561.	1.7	11
24	Purification of enzymatically inactive peptidylarginine deiminase type 6 from mouse ovary that reveals hexameric structure different from other dimeric isoforms. Advances in Bioscience and Biotechnology (Print), 2011, 02, 304-310.	0.3	11
25	Design, synthesis, and in vitro evaluation of an activity-based protein profiling (ABPP) probe targeting agmatine deiminases. Bioorganic and Medicinal Chemistry, 2014, 22, 4602-4608.	1.4	9
26	The development and characterization of a chemical probe targeting PRMT1 over PRMT5. Bioorganic and Medicinal Chemistry, 2019, 27, 224-229.	1.4	6
27	Histone H4-based peptoids are inhibitors of protein arginine methyltransferase 1 (PRMT1). Biochemical Journal, 2020, 477, 2971-2980.	1.7	6
28	A peptoid-based inhibitor of protein arginine methyltransferase 1 (PRMT1) induces apoptosis and autophagy in cancer cells. Journal of Biological Chemistry, 2022, 298, 102205.	1.6	5
29	Development of a clickable activity-based protein profiling (ABPP) probe for agmatine deiminases. Bioorganic and Medicinal Chemistry, 2015, 23, 2159-2167.	1.4	3