Alexander Ian Smith

List of Publications by Year
in descending order

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27	1,663	516215 16	610482 24
papers	citations	h-index	g-index

27	27	27	1679
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	iFeature: a Python package and web server for features extraction and selection from protein and peptide sequences. Bioinformatics, 2018, 34, 2499-2502.	1.8	481
2	iLearn: an integrated platform and meta-learner for feature engineering, machine-learning analysis and modeling of DNA, RNA and protein sequence data. Briefings in Bioinformatics, 2020, 21, 1047-1057.	3.2	294
3	Quokka: a comprehensive tool for rapid and accurate prediction of kinase family-specific phosphorylation sites in the human proteome. Bioinformatics, 2018, 34, 4223-4231.	1.8	151
4	A comprehensive review and performance evaluation of bioinformatics tools for HLA class I peptide-binding prediction. Briefings in Bioinformatics, 2020, 21, 1119-1135.	3.2	127
5	DeepCleave: a deep learning predictor for caspase and matrix metalloprotease substrates and cleavage sites. Bioinformatics, 2020, 36, 1057-1065.	1.8	102
6	Large-scale comparative assessment of computational predictors for lysine post-translational modification sites. Briefings in Bioinformatics, 2019, 20, 2267-2290.	3.2	99
7	Procleave: Predicting Protease-specific Substrate Cleavage Sites by Combining Sequence and Structural Information. Genomics, Proteomics and Bioinformatics, 2020, 18, 52-64.	3.0	71
8	Twenty years of bioinformatics research for protease-specific substrate and cleavage site prediction: a comprehensive revisit and benchmarking of existing methods. Briefings in Bioinformatics, 2019, 20, 2150-2166.	3.2	70
9	PRISMOID: a comprehensive 3D structure database for post-translational modifications and mutations with functional impact. Briefings in Bioinformatics, 2020, 21, 1069-1079.	3.2	38
10	Production of soluble Neprilysin by endothelial cells. Biochemical and Biophysical Research Communications, 2014, 446, 423-427.	1.0	30
11	A Taxon-Specific and High-Throughput Method for Measuring Ligand Binding to Nicotinic Acetylcholine Receptors. Toxins, 2019, 11, 600.	1.5	29
12	Age-Dependent Transcriptome and Proteome Following Transection of Neonatal Spinal Cord of Monodelphis domestica (South American Grey Short-Tailed Opossum). PLoS ONE, 2014, 9, e99080.	1.1	28
13	Clinical and Pharmacological Investigation of Myotoxicity in Sri Lankan Russellâ€™s Viper (Daboia) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	25
14	In Vitro Toxic Effects of Puff Adder (Bitis arietans) Venom, and Their Neutralization by Antivenom. Toxins, 2014, 6, 1586-1597.	1.5	21
15	Characterization of Angiotensin Converting Enzyme-2 (ACE2) in Human Urine. International Journal of Peptide Research and Therapeutics, 2006, 12, 283-289.	0.9	20
16	S1 Pocket of a Bacterially Derived Subtilisin-like Protease Underpins Effective Tissue Destruction. Journal of Biological Chemistry, 2011, 286, 42180-42187.	1.6	17
17	Proteomics Identification of Potential Candidates Involved in Cell Proliferation for Early Stage of Brain Regeneration in the Adult Zebrafish. Zebrafish, 2017, 14, 10-22.	0.5	12
18	Stimulating the Activity of Amyloid-Beta Degrading Enzymes: A Novel Approach for the Therapeutic Manipulation of Amyloid-Beta Levels. Journal of Alzheimer's Disease, 2016, 54, 891-895.	1.2	12

#	Article	IF	Citations
19	Serelaxin attenuates renal inflammation and fibrosis in a mouse model of dilated cardiomyopathy. Experimental Physiology, 2018, 103, 1593-1602.	0.9	10
20	N-terminal domain of Bothrops asper Myotoxin II Enhances the Activity of Endothelin Converting Enzyme-1 and Neprilysin. Scientific Reports, 2016, 6, 22413.	1.6	8
21	N-Acetylcysteine AttenuatesÂthe Development of Renal Fibrosis in Transgenic Mice with Dilated Cardiomyopathy. Scientific Reports, 2017, 7, 17718.	1.6	8
22	Prothrombin activator-like toxin appears to mediate cardiovascular collapse following envenoming by Pseudonaja textilis. Toxicon, 2015, 102, 48-54.	0.8	7
23	Pharmacological hypothesis: Nitric oxideâ€induced inhibition of ADAMâ€17 activity as well as vesicle release can in turn prevent the production of soluble endothelinâ€converting enzyme. Pharmacology Research and Perspectives, 2017, 5, e00335.	1.1	2
24	Quenched Fluorescent Peptide Substrates as Tools for the Discovery of Novel Cardiovascular Disease Biomarkers. Advances in Experimental Medicine and Biology, 2009, 611, 419-422.	0.8	1
25	Letter by Rajapakse et al Regarding Article, â€œCombined Angiotensin Receptor Antagonism and Neprilysin Inhibitionâ€. Circulation, 2016, 134, e9-e10.	1.6	0
26	Characterisation of endothelin converting enzymeâ€1 (ECEâ€1) shedding from endothelial cells.. FASEB Journal, 2007, 21, A194.	0.2	0
27	Nitric Oxide Inhibits the Production of a Soluble Form of Endothelin Converting Enzymeâ€1.. FASEB Journal, 2013, 27, lb485.	0.2	0