Ryan Limbocker

List of Publications by Year
in descending order

29 papers	1,082 citations	687335 13 h-index	610883 24 g-index
33 all docs	33 docs citations	33 times ranked	1377 citing authors

#	Article	IF	Citations
1	Squalamine and trodusquemine: two natural products for neurodegenerative diseases, from physical chemistry to the clinic. Natural Product Reports, 2022, 39, 742-753.	10.3	27
2	Utilization of Standardized College Entrance Metrics to Predict Undergraduate Student Success in Chemistry. Journal of Chemical Education, 2022, 99, 1725-1733.	2.3	1
3	A Brain-Permeable Aminosterol Regulates Cell Membranes to Mitigate the Toxicity of Diverse Pore-Forming Agents. ACS Chemical Neuroscience, 2022, 13, 1219-1231.	3.5	7
4	Investigation of Molecular Countermeasures to Modulate the Populations and Toxicity of AÎ²42 Oligomers. Biophysical Journal, 2021, 120, 202a.	0.5	0
5	Therapeutics Against Protein Misfolded Oligomers in Neurodegenerative Diseases. Biophysical Journal, 2021, 120, 286a.	0.5	0
6	Cell Membrane Properties can Mediate the Toxicity of Protein Misfolded Oligomers and Folded Toxins. Biophysical Journal, 2021, 120, 308a.	0.5	0
7	Comparative Studies in the A30P and A53T Î±-Synuclein C. elegans Strains to Investigate the Molecular Origins of Parkinson's Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 552549.	3.7	12
8	Squalamine and Its Derivatives Modulate the Aggregation of Amyloid-Î² and Î±-Synuclein and Suppress the Toxicity of Their Oligomers. Frontiers in Neuroscience, 2021, 15, 680026.	2.8	34
9	Two human metabolites rescue a C. elegans model of Alzheimerâ€™s disease via a cytosolic unfolded protein response. Communications Biology, 2021, 4, 843.	4.4	6
10	Therapeutic Strategies to Reduce the Toxicity of Misfolded Protein Oligomers. International Journal of Molecular Sciences, 2020, 21, 8651.	4.1	23
11	Non-Pharmaceutical Interventions and Military Hygiene at the United States Military Academy between 1890 and 1910. Military Medicine, 2020, 185, e2104-e2109.	0.8	1
12	A rationally designed bicyclic peptide remodels AÎ²42 aggregation in vitro and reduces its toxicity in a worm model of Alzheimerâ€™s disease. Scientific Reports, 2020, 10, 15280.	3.3	15
13	Trodusquemine displaces protein misfolded oligomers from cell membranes and abrogates their cytotoxicity through a generic mechanism. Communications Biology, 2020, 3, 435.	4.4	44
14	Impact of COVID-19 on General Chemistry Education at the United States Military Academy. Journal of Chemical Education, 2020, 97, 2922-2927.	2.3	11
15	Small-molecule sequestration of amyloid-Î² as a drug discovery strategy for Alzheimerâ€™s disease. Science Advances, 2020, 6, .	10.3	95
16	Rational design of a conformation-specific antibody for the quantification of AÎ² oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13509-13518.	7.1	61
17	Rationally Designed Antibodies as Research Tools to Study the Structureâ€“Toxicity Relationship of Amyloid-Î² Oligomers. International Journal of Molecular Sciences, 2020, 21, 4542.	4.1	12
18	Trodusquemine enhances AÎ²42 aggregation but suppresses its toxicity by displacing oligomers from cell membranes. Nature Communications, 2019, 10, 225.	12.8	111

#	Article	IF	Citations
19	Systematic Development of Small Molecules to Inhibit Specific Microscopic Steps of Amyloid-Beta42 Aggregation in Alzheimer's Disease. Biophysical Journal, 2018, 114, 225a.	0.5	2
20	Massively parallel C. elegans tracking provides multi-dimensional fingerprints for phenotypic discovery. Journal of Neuroscience Methods, 2018, 306, 57-67.	2.5	52
21	Modulating Amyloid-Beta Aggregation to Reduce the Toxicity of its Oligomeric Aggregates. Biophysical Journal, 2018, 114, 430a.	0.5	2
22	Regional Differences in Dopamine Release in the R6/2 Mouse Caudate Putamen. Electroanalysis, 2018, 30, 1066-1072.	2.9	7
23	O2â€02â€02: TARGETING AMYLOID FORMATION USING RATIONALLY DESIGNED ANTIBODIES. Alzheimer's and Dementia, 2018, 14, P611.	0.8	0
24	Multistep Inhibition of Î±-Synuclein Aggregation and Toxicity in Vitro and in Vivo by Trodusquemine. ACS Chemical Biology, 2018, 13, 2308-2319.	3.4	86
25	A natural product inhibits the initiation of Î±-synuclein aggregation and suppresses its toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1009-E1017.	7.1	231
26	Attenuating the Toxicity of Amyloid-Beta Aggregation with Specific Species. Biophysical Journal, 2017, 112, 494a.	0.5	1
27	Systematic development of small molecules to inhibit specific microscopic steps of AÎ²42 aggregation in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E200-E208.	7.1	180
28	Impaired Brain Dopamine and Serotonin Release and Uptake in Wistar Rats Following Treatment with Carboplatin. ACS Chemical Neuroscience, 2016, 7, 689-699.	3.5	39
29	Localized Drug Application and Sub-Second Voltammetric Dopamine Release Measurements in a Brain Slice Perfusion Device. Analytical Chemistry, 2014, 86, 4151-4156.	6.5	18