Tristan Bepler

List of Publications by Year
in descending order

11 papers	1,931 citations	1040056 9 h-index	1372567 10 g-index
13 all docs	13 docs citations	13 times ranked	2371 citing authors

#	Article	IF	Citations
1	Positive-unlabeled convolutional neural networks for particle picking in cryo-electron micrographs. Nature Methods, 2019, 16, 1153-1160.	19.0	693
2	Topaz-Denoise: general deep denoising models for cryoEM and cryoET. Nature Communications, 2020, 11, 5208.	12.8	313
3	CryoDRGN: reconstruction of heterogeneous cryo-EM structures using neural networks. Nature Methods, 2021, 18, 176-185.	19.0	299
4	Human-Chimpanzee Differences in a FZD8 Enhancer Alter Cell-Cycle Dynamics in the Developing Neocortex. Current Biology, 2015, 25, 772-779.	3.9	214
5	Learning the protein language: Evolution, structure, and function. Cell Systems, 2021, 12, 654-669.e3.	6.2	194
6	Visualization of clustered protocadherin neuronal self-recognition complexes. Nature, 2019, 569, 280-283.	27.8	86
7	Divergence in DNA Specificity among Paralogous Transcription Factors Contributes to Their Differential InÂVivo Binding. Cell Systems, 2018, 6, 470-483.e8.	6.2	38
8	An engineered protein-phosphorylation toggle network with implications for endogenous network discovery. Science, 2021, 373, .	12.6	24
9	Synthetic molecular evolution of antimicrobial peptides. Current Opinion in Biotechnology, 2022, 75, 102718.	6.6	21
10	TOPAZ: A Positive-Unlabeled Convolutional Neural Network CryoEM Particle Picker that can Pick Any Size and Shape Particle. Microscopy and Microanalysis, 2019, 25, 986-987.	0.4	14
11	Positive-unlabeled convolutional neural networks for particle picking in cryo-electron micrographs. , 2018, 10812, 245-247.		12