Sebastian Raschka

List of Publications by Year
in descending order

17 papers	1,058 citations	933264 10 h-index	996849 15 g-index
20 all docs	20 docs citations	20 times ranked	1019 citing authors

#	Article	IF	Citations
1	MLxtend: Providing machine learning and data science utilities and extensions to Pythonâ€™s scientific computing stack. Journal of Open Source Software, 2018, 3, 638.	2.0	366
2	Machine Learning in Python: Main Developments and Technology Trends in Data Science, Machine Learning, and Artificial Intelligence. Information (Switzerland), 2020, 11, 193.	1.7	205
3	Rank consistent ordinal regression for neural networks with application to age estimation. Pattern Recognition Letters, 2020, 140, 325-331.	2.6	98
4	Semi-adversarial Networks: Convolutional Autoencoders for Imparting Privacy to Face Images. , 2018, , .		69
5	PrivacyNet: Semi-Adversarial Networks for Multi-Attribute Face Privacy. IEEE Transactions on Image Processing, 2020, 29, 9400-9412.	6.0	52
6	Machine learning and AI-based approaches for bioactive ligand discovery and GPCR-ligand recognition. Methods, 2020, 180, 89-110.	1.9	47
7	BioPandas: Working with molecular structures in pandas DataFrames. Journal of Open Source Software, 2017, 2, 279.	2.0	43
8	Proteinâ€“ligand interfaces are polarized: discovery of a strong trend for intermolecular hydrogen bonds to favor donors on the protein side with implications for predicting and designing ligand complexes. Journal of Computer-Aided Molecular Design, 2018, 32, 511-528.	1.3	36
9	FlowSAN: Privacy-Enhancing Semi-Adversarial Networks to Confound Arbitrary Face-Based Gender Classifiers. IEEE Access, 2019, 7, 99735-99745.	2.6	31
10	Gender Privacy: An Ensemble of Semi Adversarial Networks for Confounding Arbitrary Gender Classifiers. , 2018, , .		29
11	Machine Learning to Identify Flexibility Signatures of Class A GPCR Inhibition. Biomolecules, 2020, 10, 454.	1.8	21
12	Automated discovery of GPCR bioactive ligands. Current Opinion in Structural Biology, 2019, 55, 17-24.	2.6	15
13	Ten quick tips for deep learning in biology. PLoS Computational Biology, 2022, 18, e1009803.	1.5	14
14	Detecting the native ligand orientation by interfacial rigidity: SiteInterlock. Proteins: Structure, Function and Bioinformatics, 2016, 84, 1888-1901.	1.5	10
15	Enabling the hypothesis-driven prioritization of ligand candidates in big databases: Screenlamp and its application to GPCR inhibitor discovery for invasive species control. Journal of Computer-Aided Molecular Design, 2018, 32, 415-433.	1.3	8
16	Automated Inference of Chemical Discriminants of Biological Activity. Methods in Molecular Biology, 2018, 1762, 307-338.	0.4	7
17	Looking Back to Lower-Level Information in Few-Shot Learning. Information (Switzerland), 2020, 11, 345.	1.7	5