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List of Publications by Year in descending order

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ΙΠΕΤΙΝ Ο ΟΜΙΤΗ

#	Article	IF	CITATIONS
1	Automated discovery of a robust interatomic potential for aluminum. Nature Communications, 2021, 12, 1257.	12.8	47
2	Modeling of Peptides with Classical and Novel Machine Learning Force Fields: A Comparison. Journal of Physical Chemistry B, 2021, 125, 3598-3612.	2.6	22
3	Machine learned Hückel theory: Interfacing physics and deep neural networks. Journal of Chemical Physics, 2021, 154, 244108.	3.0	25
4	The Rise of Neural Networks for Materials and Chemical Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 6227-6243.	4.6	39
5	Teaching a neural network to attach and detach electrons from molecules. Nature Communications, 2021, 12, 4870.	12.8	46
6	Predicting phosphorescence energies and inferring wavefunction localization with machine learning. Chemical Science, 2021, 12, 10207-10217.	7.4	14
7	The ANI-1ccx and ANI-1x data sets, coupled-cluster and density functional theory properties for molecules. Scientific Data, 2020, 7, 134.	5.3	104
8	TorchANI: A Free and Open Source PyTorch-Based Deep Learning Implementation of the ANI Neural Network Potentials. Journal of Chemical Information and Modeling, 2020, 60, 3408-3415.	5.4	143
9	Extending the Applicability of the ANI Deep Learning Molecular Potential to Sulfur and Halogens. Journal of Chemical Theory and Computation, 2020, 16, 4192-4202.	5.3	160
10	Accurate and transferable multitask prediction of chemical properties with an atoms-in-molecules neural network. Science Advances, 2019, 5, eaav6490.	10.3	148
11	Approaching coupled cluster accuracy with a general-purpose neural network potential through transfer learning. Nature Communications, 2019, 10, 2903.	12.8	399
12	Machine learning for molecular dynamics with strongly correlated electrons. Physical Review B, 2019, 99, .	3.2	20
13	Operative Versus Nonoperative Treatment for Adult Symptomatic Lumbar Scoliosis. Journal of Bone and Joint Surgery - Series A, 2019, 101, 338-352.	3.0	110
14	Hierarchical modeling of molecular energies using a deep neural network. Journal of Chemical Physics, 2018, 148, 241715.	3.0	221
15	Transforming Computational Drug Discovery with Machine Learning and AI. ACS Medicinal Chemistry Letters, 2018, 9, 1065-1069.	2.8	70
16	Less is more: Sampling chemical space with active learning. Journal of Chemical Physics, 2018, 148, 241733.	3.0	426
17	Transferable Dynamic Molecular Charge Assignment Using Deep Neural Networks. Journal of Chemical Theory and Computation, 2018, 14, 4687-4698.	5.3	81
18	Discovering a Transferable Charge Assignment Model Using Machine Learning. Journal of Physical Chemistry Letters, 2018, 9, 4495-4501.	4.6	88

#	Article	IF	CITATIONS
19	ANI-1: an extensible neural network potential with DFT accuracy at force field computational cost. Chemical Science, 2017, 8, 3192-3203.	7.4	1,111
20	ANI-1, A data set of 20 million calculated off-equilibrium conformations for organic molecules. Scientific Data, 2017, 4, 170193.	5.3	178