Lihong Hu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8996532/publications.pdf

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18	390	933447 10	888059 17
papers	citations	h-index	g-index

18	18	18	471
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Combined first-principles calculation and neural-network correction approach for heat of formation. Journal of Chemical Physics, 2003, 119, 11501-11507.	3.0	101
2	Improving the Accuracy of Density-Functional Theory Calculation:Â The Statistical Correction Approach. Journal of Physical Chemistry A, 2004, 108, 8514-8525.	2.5	48
3	Improving the Performance of Long-Range-Corrected Exchange-Correlation Functional with an Embedded Neural Network. Journal of Physical Chemistry A, 2017, 121, 7273-7281.	2.5	37
4	A machine learning correction for DFT non-covalent interactions based on the S22, S66 and X40 benchmark databases. Journal of Cheminformatics, 2016, 8, 24.	6.1	32
5	A neural networks-based drug discovery approach and its application for designing aldose reductase inhibitors. Journal of Molecular Graphics and Modelling, 2006, 24, 244-253.	2.4	30
6	Ensemble Learning for Overall Power Conversion Efficiency of the All-Organic Dye-Sensitized Solar Cells. IEEE Access, 2018, 6, 34118-34126.	4.2	26
7	Nonfullerene Acceptors for Organic Photovoltaics: From Conformation Effect to Power Conversion Efficiencies Prediction. Solar Rrl, 2019, 3, 1900258.	5.8	22
8	Efficient Corrections for DFT Noncovalent Interactions Based on Ensemble Learning Models. Journal of Chemical Information and Modeling, 2019, 59, 1849-1857.	5.4	19
9	SPXYE: an improved method for partitioning training and validation sets. Cluster Computing, 2019, 22, 3069-3078.	5.0	15
10	AdaBoost Ensemble Correction Models for TDDFT Calculated Absorption Energies. IEEE Access, 2019, 7, 38397-38406.	4.2	12
11	Correlation and redundancy on machine learning performance for chemical databases. Journal of Chemometrics, 2018, 32, e3023.	1.3	11
12	Polymeric architectures of bismuth citrate based on dimeric building blocks. Science China Chemistry, 2010, 53, 2152-2158.	8.2	9
13	Predicting pathological response to neoadjuvant chemotherapy in breast cancer patients based on imbalanced clinical data. Personal and Ubiquitous Computing, 2018, 22, 1039-1047.	2.8	8
14	HSPXY: A hybridâ€correlation and diversityâ€distances based data partition method. Journal of Chemometrics, 2019, 33, e3109.	1.3	7
15	An Accurate and Efficient Method to Predict Y-NO Bond Homolysis Bond Dissociation Energies. Mathematical Problems in Engineering, 2013, 2013, 1-10.	1.1	5
16	DeepNCI: DFT Noncovalent Interaction Correction with Transferable Multimodal Three-Dimensional Convolutional Neural Networks. Journal of Chemical Information and Modeling, 2022, 62, 5090-5099.	5.4	5
17	IMPContact: An Interhelical Residue Contact Prediction Method. BioMed Research International, 2020, 2020, 1-10.	1.9	2
18	Efficient prediction for high precision <scp>COâ€N₂</scp> potential energy surface by stacking ensemble <scp>DNN</scp>. Journal of Computational Chemistry, 2022, 43, 244-254.	3.3	1