Ming Huang

List of Publications by Year
in descending order

39 papers	618 citations	687363 13 h-index	677142 22 g-index
53 all docs	53 docs citations	53 times ranked	691 citing authors

#	Article	IF	Citations
1	Roadmaps through Free Energy Landscapes Calculated Using the Multidimensional vFEP Approach. Journal of Chemical Theory and Computation, 2014, 10, 24-34.	5.3	58
2	A Variational Linear-Scaling Framework to Build Practical, Efficient Next-Generation Orbital-Based Quantum Force Fields. Journal of Chemical Theory and Computation, 2013, 9, 1417-1427.	5.3	55
3	Improvement of DNA and RNA Sugar Pucker Profiles from Semiempirical Quantum Methods. Journal of Chemical Theory and Computation, 2014, 10, 1538-1545.	5.3	50
4	Recent Advances toward a General Purpose Linear-Scaling Quantum Force Field. Accounts of Chemical Research, 2014, 47, 2812-2820.	15.6	38
5	Mechanistic Insights into RNA Transphosphorylation from Kinetic Isotope Effects and Linear Free Energy Relationships of Model Reactions. Chemistry - A European Journal, 2014, 20, 14336-14343.	3.3	29
6	Parametrization of an Orbital-Based Linear-Scaling Quantum Force Field for Noncovalent Interactions. Journal of Chemical Theory and Computation, 2014, 10, 1086-1098.	5.3	29
7	Public Opinions Toward Diseases: Infodemiological Study on News Media Data. Journal of Medical Internet Research, 2018, 20, e10047.	4.3	24
8	Drug–target prediction utilizing heterogeneous bio-linked network embeddings. Briefings in Bioinformatics, 2021, 22, 568-580.	6.5	19
9	Proteasome Inhibition Contributed to the Cytotoxicity of Arenobufagin after Its Binding with Na, K-ATPase in Human Cervical Carcinoma HeLa Cells. PLoS ONE, 2016, 11, e0159034.	2.5	19
10	Linear free energy relationships in RNA transesterification: theoretical models to aid experimental interpretations. Physical Chemistry Chemical Physics, 2014, 16, 15846-15855.	2.8	18
11	Understanding the patient perspective of epilepsy treatment through text mining of online patient support groups. Epilepsy and Behavior, 2019, 94, 65-71.	1.7	17
12	Modeling cancer clinical trials using HL7 FHIR to support downstream applications: A case study with colorectal cancer data. International Journal of Medical Informatics, 2021, 145, 104308.	3.3	17
13	Analyzing Patient Secure Messages Using a Fast Health Care Interoperability Resources (FIHR)–Based Data Model: Development and Topic Modeling Study. Journal of Medical Internet Research, 2021, 23, e26770.	4.3	16
14	Technological Innovations in Disease Management: Text Mining US Patent Data From 1995 to 2017. Journal of Medical Internet Research, 2019, 21, e13316.	4.3	16
15	Patient Portal Messaging for Asynchronous Virtual Care During the COVID-19 Pandemic: Retrospective Analysis. JMIR Human Factors, 2022, 9, e35187.	2.0	16
16	Computational drug repurposing based on electronic health records: a scoping review. Npj Digital Medicine, 2022, 5, .	10.9	16
17	Recommendations for patient similarity classes: results of the AMIA 2019 workshop on defining patient similarity. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1808-1812.	4.4	15
18	Nucleic acid reactivity: Challenges for next-generation semiempirical quantum models. Journal of Computational Chemistry, 2015, 36, 1370-1389.	3.3	14

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19	A Multidimensional B-Spline Correction for Accurate Modeling Sugar Puckering in QM/MM Simulations. Journal of Chemical Theory and Computation, 2017, 13, 3975-3984.	5.3	12
20	An aberration detection-based approach for sentinel syndromic surveillance of COVID-19 and other novel influenza-like illnesses. Journal of Biomedical Informatics, 2021, 113, 103660.	4.3	12
21	Leveraging Genetic Reports and Electronic Health Records for the Prediction of Primary Cancers: Algorithm Development and Validation Study. JMIR Medical Informatics, 2021, 9, e23586.	2.6	12
22	Using a mixed methods approach to identify public perception of vaping risks and overall health outcomes on Twitter during the 2019 EVALI outbreak. International Journal of Medical Informatics, 2021, 155, 104574.	3.3	12
23	MfeCNN: Mixture Feature Embedding Convolutional Neural Network for Data Mapping. IEEE Transactions on Nanobioscience, 2018, 17, 165-171.	3.3	11
24	Characterizing Patient-Clinician Communication in Secure Medical Messages: Retrospective Study. Journal of Medical Internet Research, 2022, 24, e17273.	4.3	11
25	Characterization of the Three-Dimensional Free Energy Manifold for the Uracil Ribonucleoside from Asynchronous Replica Exchange Simulations. Journal of Chemical Theory and Computation, 2015, 11, 373-377.	5.3	10
26	Mining news media for understanding public health concerns. Journal of Clinical and Translational Science, 2021, 5, e1.	0.6	10
27	A Systematic Framework for Analyzing Patient-Generated Narrative Data: Protocol for a Content Analysis. JMIR Research Protocols, 2019, 8, 13914.	1.0	9
28	Evaluating global and local sequence alignment methods for comparing patient medical records. BMC Medical Informatics and Decision Making, 2019, 19, 263.	3.0	8
29	Extracting Kinship from Obituary to Enhance Electronic Health Records for Genetic Research. , 2019, , .		8
30	Detecting and Filtering Immune-Related Adverse Events Signal Based on Text Mining and Observational Health Data Sciences and Informatics Common Data Model: Framework Development Study. JMIR Medical Informatics, 2020, 8, e17353.	2.6	6
31	Mapping client messages to a unified data model with mixture feature embedding convolutional neural network. , 2017, , .		5
32	Temporal sequence alignment in electronic health records for computable patient representation. , 2018, , .		3
33	Probing Patient Messages Enhanced by Natural Language Processing: A Top-Down Message Corpus Analysis. Health Data Science, 2021, 2021, .	2.3	3
34	Automated Detection of Vaping-Related Tweets on Twitter During the 2019 EVALI Outbreak Using Machine Learning Classification. Frontiers in Big Data, 2022, 5, 770585.	2.9	2
35	Midwest rural–urban disparities in use of patient online services for COVID-19. Journal of Rural Health, 2022, , .	2.9	2
36	DP _DETECTION: An outlier detection algorithm based on density of big data. , 2018, , .		0

#	Article	IF	Citations
37	Leveraging Twitter Data to Explore the Feasibility of Detecting Negative Health Outcomes Related to Vaping. Communications in Computer and Information Science, 2020, , 464-468.	0.5	0
38	KELSA: A Knowledge-Enriched Local Sequence Alignment Algorithm for Comparing Patient Medical Records. Studies in Computational Intelligence, 2021, , 227-240.	0.9	0
39	Identification of Transportation Barriers in Patient Portal Messages via Deep Semantic Embeddings and Clustering. Studies in Health Technology and Informatics, 2022, , .	0.3	0