

Binh P Nguyen

List of Publications by Year in descending order

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66
papers

1,067
citations

516710

16
h-index

526287

27
g-index

70
all docs

70
docs citations

70
times ranked

876
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Antimalarial Activity in Natural Products Using Pretrained Bidirectional Encoder Representations from Transformers. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 5050-5058.	5.4	10
2	iCYP-MFE: Identifying Human Cytochrome P450 Inhibitors Using Multitask Learning and Molecular Fingerprint-Embedded Encoding. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 5059-5068.	5.4	18
3	Application of machine learning in screening for congenital heart diseases using fetal echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2022, 38, 1007-1015.	1.5	21
4	iANP-EC: Identifying Anticancer Natural Products Using Ensemble Learning Incorporated with Evolutionary Computation. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 5080-5089.	5.4	14
5	Post-licensure zoster vaccine effectiveness against herpes zoster and postherpetic neuralgia in older adults: a systematic review and meta-analysis. <i>The Lancet Healthy Longevity</i> , 2022, 3, e263-e275.	4.6	19
6	Bone age assessment and sex determination using transfer learning. <i>Expert Systems With Applications</i> , 2022, 200, 116926.	7.6	14
7	Prediction of FMN Binding Sites in Electron Transport Chains Based on 2-D CNN and PSSM Profiles. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 2189-2197.	3.0	52
8	End-to-End Hand Rehabilitation System with Single-Shot Gesture Classification for Stroke Patients. <i>Studies in Computational Intelligence</i> , 2021, , 59-67.	0.9	2
9	Explainable machine learning prediction of ICU mortality. <i>Informatics in Medicine Unlocked</i> , 2021, 25, 100674.	3.4	7
10	Classification of Parkinson's Disease-Associated Gait Patterns. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 595-606.	0.6	0
11	Classification of Gait Patterns Using Overlapping Time Displacement of Batchwise Video Subclips. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 99-111.	0.6	0
12	Postlicensure herpes zoster vaccine effectiveness: systematic review protocol. <i>BMJ Open</i> , 2021, 11, e040964.	1.9	3
13	Heart Disease Classification using Novel Heterogeneous Ensemble. , 2021, , .		7
14	Stacking segment-based CNN with SVM for recognition of atrial fibrillation from single-lead ECG recordings. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102672.	5.7	43
15	COVID-19 vaccine strategies for Aotearoa New Zealand: a mathematical modelling study. <i>The Lancet Regional Health - Western Pacific</i> , 2021, 15, 100256.	2.9	15
16	Robo-advisor using genetic algorithm and BERT sentiments from tweets for hybrid portfolio optimisation. <i>Expert Systems With Applications</i> , 2021, 179, 115060.	7.6	27
17	ANDROGRAPHOLIDE, A DITERPENOID LACTONE COMPOUND OF <i>Andrographis paniculata</i> , BINDS TO LYS353 AND ASP38 IN THE PEPTIDASE DOMAIN OF HUMAN ANGIOTENSIN-CONVERTING ENZYME 2. <i>Rasayan Journal of Chemistry</i> , 2021, 14, 241-247.	0.4	3
18	Prediction of Wart Treatment Using Deep Learning with Implicit Feature Engineering. <i>Studies in Computational Intelligence</i> , 2021, , 153-168.	0.9	0

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19	Hybrid Convolutional Neural Network Ensemble for Activity Recognition in Mobile Phones. <i>Studies in Computational Intelligence</i> , 2021, , 289-299.	0.9	1
20	Bile canaliculi contract autonomously by releasing calcium into hepatocytes via mechanosensitive calcium channel. <i>Biomaterials</i> , 2020, 259, 120283.	11.4	8
21	High-content image generation for drug discovery using generative adversarial networks. <i>Neural Networks</i> , 2020, 132, 353-363.	5.9	16
22	Predicting Drug-Induced Liver Injury Using Convolutional Neural Network and Molecular Fingerprint-Embedded Features. <i>ACS Omega</i> , 2020, 5, 25432-25439.	3.5	29
23	Diabetic Retinopathy Detection using Deep Learning. , 2020, , .		51
24	Churn Prediction using Ensemble Learning. , 2020, , .		9
25	Video-based Skeletal Feature Extraction for Hand Gesture Recognition. , 2020, , .		4
26	Generative Modeling for Synthesis of Cellular Imaging Data for Low-Cost Drug Repurposing Application. <i>Lecture Notes in Computer Science</i> , 2020, , 165-177.	1.3	0
27	Automated Grading in Diabetic Retinopathy Using Image Processing and Modified EfficientNet. <i>Lecture Notes in Computer Science</i> , 2020, , 505-515.	1.3	2
28	Deep Learning Models for Tuberculosis Detection from Chest X-ray Images. , 2019, , .		39
29	Predicting Hospital Readmission Patterns of Diabetic Patients using Ensemble Model and Cluster Analysis. , 2019, , .		5
30	Lesion Segmentation and Automated Melanoma Detection using Deep Convolutional Neural Networks and XGBoost. , 2019, , .		13
31	Music Genre Classification using Residual Attention Network. , 2019, , .		10
32	Predicting the onset of type 2 diabetes using wide and deep learning with electronic health records. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 182, 105055.	4.7	94
33	Multimodal Detection of Parkinson Disease based on Vocal and Improved Spiral Test. , 2019, , .		15
34	Breast Cancer Prediction using Feature Selection and Ensemble Voting. , 2019, , .		21
35	Effective Arrhythmia Detection using Majority Voting. , 2019, , .		0
36	iProDNA-CapsNet: identifying protein-DNA binding residues using capsule neural networks. <i>BMC Bioinformatics</i> , 2019, 20, 634.	2.6	24

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37	iPseU-NCP: Identifying RNA pseudouridine sites using random forest and NCP-encoded features. BMC Genomics, 2019, 20, 971.	2.8	20
38	DeLHCA: Deep transfer learning for high-content analysis of the effects of drugs on immune cells. , 2019, , .		3
39	Classification of adaptor proteins using recurrent neural networks and PSSM profiles. BMC Genomics, 2019, 20, 966.	2.8	19
40	iEnhancer-ECNN: identifying enhancers and their strength using ensembles of convolutional neural networks. BMC Genomics, 2019, 20, 951.	2.8	46
41	A two-level clustering approach for multidimensional transfer function specification in volume visualization. Visual Computer, 2017, 33, 163-177.	3.5	10
42	Reworking Multilabel Brain Tumor Segmentation: An Automated Framework Using Structured Kernel Sparse Representation. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 18-22.	1.4	25
43	An Automated Framework for Multi-label Brain Tumor Segmentation based on Kernel Sparse Representation. Acta Polytechnica Hungarica, 2017, 14, .	2.9	5
44	Automated brain tumor segmentation using kernel dictionary learning and superpixel-level features. , 2016, , .		14
45	Comments on and corrections to "Hardware-software co-design architecture for joint photo expert graphic XR encoder". IET Image Processing, 2016, 10, 681-682.	2.5	1
46	Superpixel-based segmentation of muscle fibers in multi-channel microscopy. BMC Systems Biology, 2016, 10, 124.	3.0	22
47	Comments on and corrections to "unified VLSI architecture for photo core transform used in JPEG XR". Electronics Letters, 2016, 52, 33-33.	1.0	0
48	Rule-Enhanced Transfer Function Generation for Medical Volume Visualization. Computer Graphics Forum, 2015, 34, 121-130.	3.0	9
49	Robust Biometric Recognition From Palm Depth Images for Gloved Hands. IEEE Transactions on Human-Machine Systems, 2015, 45, 799-804.	3.5	94
50	Development of a cognitive engine for balancing automation and human control of surgical robotic system. , 2014, , .		1
51	Hand gesture guided robot-assisted surgery based on a direct augmented reality interface. Computer Methods and Programs in Biomedicine, 2014, 116, 68-80.	4.7	82
52	Automatic transfer function design for medical visualization using visibility distributions and projective color mapping. Computerized Medical Imaging and Graphics, 2013, 37, 450-458.	5.8	13
53	Embedded Real-Time Model Predictive Control for Glucose Regulation. IFMBE Proceedings, 2013, , 1437-1440.	0.3	4
54	In situ spatial AR surgical planning using projector-Kinect system. , 2013, , .		15

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55	Real-time rendering of drug injection and interactive simulation of vessel deformation using GPU. , 2013, 2013, 4569-72.		1
56	Fast point quadrupling on elliptic curves. , 2012, , .		5
57	Implementation of model predictive control with modified minimal model on low-power RISC microcontrollers. , 2012, , .		7
58	Ant colony optimization for model predictive control for blood glucose regulation. , 2012, , .		2
59	A clustering-based system to automate transfer function design for medical image visualization. Visual Computer, 2012, 28, 181-191.	3.5	28
60	An efficient compression scheme for 4-D medical images using hierarchical vector quantization and motion compensation. Computers in Biology and Medicine, 2011, 41, 843-856.	7.0	11
61	An efficient clustering method for fast rendering of time-varying volumetric medical data. Visual Computer, 2010, 26, 1061-1070.	3.5	2
62	Performance-cost analyses software for H.264 Forward/Inverse Integer Transform. , 2010, , .		0
63	Particle-based simulation of blood flow and vessel wall interactions in virtual surgery. , 2010, , .		17
64	Prediction-based directional search for fast block-matching motion estimation. , 2010, , .		1
65	Image Processing and Modeling for Active Needle Steering in Liver Surgery. , 2009, , .		3
66	Vascular flow rendering for interactive simulation of contrast and drugs injection. , 2009, , .		0