

Binh P Nguyen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/576103/publications.pdf>

Version: 2024-02-01

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	Robust Biometric Recognition From Palm Depth Images for Gloved Hands. IEEE Transactions on Human-Machine Systems, 2015, 45, 799-804.	3.5	94
2	Predicting the onset of type 2 diabetes using wide and deep learning with electronic health records. Computer Methods and Programs in Biomedicine, 2019, 182, 105055.	4.7	94
3	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
4	Prediction of FMN Binding Sites in Electron Transport Chains Based on 2-D CNN and PSSM Profiles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2189-2197.	3.0	52
5	Diabetic Retinopathy Detection using Deep Learning. , 2020, , .		51
6	iEnhancer-ECNN: identifying enhancers and their strength using ensembles of convolutional neural networks. BMC Genomics, 2019, 20, 951.	2.8	46
7	Stacking segment-based CNN with SVM for recognition of atrial fibrillation from single-lead ECG recordings. Biomedical Signal Processing and Control, 2021, 68, 102672.	5.7	43
8	Deep Learning Models for Tuberculosis Detection from Chest X-ray Images. , 2019, , .		39
9	Predicting Drug-Induced Liver Injury Using Convolutional Neural Network and Molecular Fingerprint-Embedded Features. ACS Omega, 2020, 5, 25432-25439.	3.5	29
10	A clustering-based system to automate transfer function design for medical image visualization. Visual Computer, 2012, 28, 181-191.	3.5	28
11	Robo-advisor using genetic algorithm and BERT sentiments from tweets for hybrid portfolio optimisation. Expert Systems With Applications, 2021, 179, 115060.	7.6	27
12	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
13	iProDNA-CapsNet: identifying protein-DNA binding residues using capsule neural networks. BMC Bioinformatics, 2019, 20, 634.	2.6	24
14	Superpixel-based segmentation of muscle fibers in multi-channel microscopy. BMC Systems Biology, 2016, 10, 124.	3.0	22
15	Breast Cancer Prediction using Feature Selection and Ensemble Voting. , 2019, , .		21
16	Application of machine learning in screening for congenital heart diseases using fetal echocardiography. International Journal of Cardiovascular Imaging, 2022, 38, 1007-1015.	1.5	21
17	iPseU-NCP: Identifying RNA pseudouridine sites using random forest and NCP-encoded features. BMC Genomics, 2019, 20, 971.	2.8	20
18	Classification of adaptor proteins using recurrent neural networks and PSSM profiles. BMC Genomics, 2019, 20, 966.	2.8	19

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Particle-based simulation of blood flow and vessel wall interactions in virtual surgery. , 2010, , .		17
22	High-content image generation for drug discovery using generative adversarial networks. <i>Neural Networks</i> , 2020, 132, 353-363.	5.9	16
23	In situ spatial AR surgical planning using projector-Kinect system. , 2013, , .		15
24	Multimodal Detection of Parkinson Disease based on Vocal and Improved Spiral Test. , 2019, , .		15
25	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
26	Automated brain tumor segmentation using kernel dictionary learning and superpixel-level features. , 2016, , .		14
27	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
28	Bone age assessment and sex determination using transfer learning. <i>Expert Systems With Applications</i> , 2022, 200, 116926.	7.6	14
29	Automatic transfer function design for medical visualization using visibility distributions and projective color mapping. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 450-458.	5.8	13
30	Lesion Segmentation and Automated Melanoma Detection using Deep Convolutional Neural Networks and XGBoost. , 2019, , .		13
31	An efficient compression scheme for 4-D medical images using hierarchical vector quantization and motion compensation. <i>Computers in Biology and Medicine</i> , 2011, 41, 843-856.	7.0	11
32	A two-level clustering approach for multidimensional transfer function specification in volume visualization. <i>Visual Computer</i> , 2017, 33, 163-177.	3.5	10
33	Music Genre Classification using Residual Attention Network. , 2019, , .		10
34	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
35	Rule-Enhanced Transfer Function Generation for Medical Volume Visualization. <i>Computer Graphics Forum</i> , 2015, 34, 121-130.	3.0	9
36	Churn Prediction using Ensemble Learning. , 2020, , .		9

#	ARTICLE	IF	CITATIONS
37	Bile canaliculi contract autonomously by releasing calcium into hepatocytes via mechanosensitive calcium channel. <i>Biomaterials</i> , 2020, 259, 120283.	11.4	8
38	Implementation of model predictive control with modified minimal model on low-power RISC microcontrollers. , 2012, , .		7
39	Explainable machine learning prediction of ICU mortality. <i>Informatics in Medicine Unlocked</i> , 2021, 25, 100674.	3.4	7
40	Heart Disease Classification using Novel Heterogeneous Ensemble. , 2021, , .		7
41	Fast point quadrupling on elliptic curves. , 2012, , .		5
42	Predicting Hospital Readmission Patterns of Diabetic Patients using Ensemble Model and Cluster Analysis. , 2019, , .		5
43	An Automated Framework for Multi-label Brain Tumor Segmentation based on Kernel Sparse Representation. <i>Acta Polytechnica Hungarica</i> , 2017, 14, .	2.9	5
44	Embedded Real-Time Model Predictive Control for Glucose Regulation. <i>IFMBE Proceedings</i> , 2013, , 1437-1440.	0.3	4
45	Video-based Skeletal Feature Extraction for Hand Gesture Recognition. , 2020, , .		4
46	Image Processing and Modeling for Active Needle Steering in Liver Surgery. , 2009, , .		3
47	DeLHCA: Deep transfer learning for high-content analysis of the effects of drugs on immune cells. , 2019, , .		3
48	Postlicensure herpes zoster vaccine effectiveness: systematic review protocol. <i>BMJ Open</i> , 2021, 11, e040964.	1.9	3
49	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
50	An efficient clustering method for fast rendering of time-varying volumetric medical data. <i>Visual Computer</i> , 2010, 26, 1061-1070.	3.5	2
51	Ant colony optimization for model predictive control for blood glucose regulation. , 2012, , .		2
52	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
53	Automated Grading in Diabetic Retinopathy Using Image Processing and Modified EfficientNet. <i>Lecture Notes in Computer Science</i> , 2020, , 505-515.	1.3	2
54	Real-time rendering of drug injection and interactive simulation of vessel deformation using GPU. , 2013, 2013, 4569-72.		1

#	ARTICLE	IF	CITATIONS
55	Development of a cognitive engine for balancing automation and human control of surgical robotic system. , 2014, , .		1
56	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
57	Prediction-based directional search for fast block-matching motion estimation. , 2010, , .		1
58	Hybrid Convolutional Neural Network Ensemble for Activity Recognition in Mobile Phones. Studies in Computational Intelligence, 2021, , 289-299.	0.9	1
59	Vascular flow rendering for interactive simulation of contrast and drugs injection. , 2009, , .		0
60	Performance-cost analyses software for H.264 Forward/Inverse Integer Transform. , 2010, , .		0
61	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
62	Effective Arrhythmia Detection using Majority Voting. , 2019, , .		0
63	Classification of Parkinson's Disease-Associated Gait Patterns. Advances in Intelligent Systems and Computing, 2021, , 595-606.	0.6	0
64	Classification of Gait Patterns Using Overlapping Time Displacement of Batchwise Video Subclips. Advances in Intelligent Systems and Computing, 2021, , 99-111.	0.6	0
65	Prediction of Wart Treatment Using Deep Learning with Implicit Feature Engineering. Studies in Computational Intelligence, 2021, , 153-168.	0.9	0
66	Generative Modeling for Synthesis of Cellular Imaging Data for Low-Cost Drug Repurposing Application. Lecture Notes in Computer Science, 2020, , 165-177.	1.3	0