

Volkan Atalay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1365118/publications.pdf>

Version: 2024-02-01

53
papers

1,556
citations

567281

15
h-index

345221

36
g-index

57
all docs

57
docs citations

57
times ranked

1631
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent applications of deep learning and machine intelligence on in silico drug discovery: methods, tools and databases. <i>Briefings in Bioinformatics</i> , 2019, 20, 1878-1912.	6.5	310
2	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. <i>Genome Biology</i> , 2019, 20, 244.	8.8	261
3	DEEPScreen: high performance drug-target interaction prediction with convolutional neural networks using 2-D structural compound representations. <i>Chemical Science</i> , 2020, 11, 2531-2557.	7.4	131
4	ECPred: a tool for the prediction of the enzymatic functions of protein sequences based on the EC nomenclature. <i>BMC Bioinformatics</i> , 2018, 19, 334.	2.6	99
5	Silhouette-based 3-D model reconstruction from multiple images. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2003, 33, 582-591.	5.0	87
6	Projection based method for segmentation of human face and its evaluation. <i>Pattern Recognition Letters</i> , 2002, 23, 1623-1629.	4.2	80
7	DEEPred: Automated Protein Function Prediction with Multi-task Feed-forward Deep Neural Networks. <i>Scientific Reports</i> , 2019, 9, 7344.	3.3	80
8	Data stream clustering: a review. <i>Artificial Intelligence Review</i> , 2021, 54, 1201-1236.	15.7	65
9	THE RANDOM NEURAL NETWORK MODEL FOR TEXTURE GENERATION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1992, 06, 131-141.	1.2	63
10	Crowdsourced mapping of unexplored target space of kinase inhibitors. <i>Nature Communications</i> , 2021, 12, 3307.	12.8	41
11	A hierarchical representation of form documents for identification and retrieval. <i>International Journal on Document Analysis and Recognition</i> , 2002, 5, 17-27.	3.4	31
12	Repulsive attractive network for baseline extraction on document images. <i>Signal Processing</i> , 1999, 75, 1-10.	3.7	26
13	GOPred: GO Molecular Function Prediction by Combined Classifiers. <i>PLoS ONE</i> , 2010, 5, e12382.	2.5	22
14	Subsequence-based feature map for protein function classification. <i>Computational Biology and Chemistry</i> , 2008, 32, 122-130.	2.3	19
15	CROssBAR: comprehensive resource of biomedical relations with knowledge graph representations. <i>Nucleic Acids Research</i> , 2021, 49, e96-e96.	14.5	19
16	Ore-age: a hybrid system for assisting and teaching mining method selection. <i>Expert Systems With Applications</i> , 2003, 24, 261-271.	7.6	16
17	Vision-based single-stroke character recognition for wearable computing. <i>IEEE Intelligent Systems</i> , 2001, 16, 33-37.	4.0	15
18	Implicit motif distribution based hybrid computational kernel for sequence classification. <i>Bioinformatics</i> , 2005, 21, 1429-1436.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Large-scale automated function prediction of protein sequences and an experimental case study validation on PTEN transcript variants. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018, 86, 135-151.	2.6	13
20	Automated contour detection in blood cell images by an efficient snake algorithm. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2001, 47, 5839-5847.	1.1	12
21	Identification of Novel Reference Genes Based on MeSH Categories. <i>PLoS ONE</i> , 2014, 9, e93341.	2.5	12
22	Texture Classification and Retrieval Using the Random Neural Network Model. <i>Computational Management Science</i> , 2006, 3, 193-205.	1.3	11
23	A signal transduction score flow algorithm for cyclic cellular pathway analysis, which combines transcriptome and ChIP-seq data. <i>Molecular BioSystems</i> , 2012, 8, 3224.	2.9	11
24	Subband domain coding of binary textual images for document archiving. <i>IEEE Transactions on Image Processing</i> , 1999, 8, 1438-1446.	9.8	10
25	Computer vision based mouse. , 2002, , .		10
26	Reconstruction of three dimensional models from real images. , 0, , .		10
27	Camera auto-calibration using a sequence of 2D images with small rotations. <i>Pattern Recognition Letters</i> , 2004, 25, 989-997.	4.2	8
28	Computer vision based unistroke keyboard system and mouse for the handicapped. , 2003, , .		7
29	iBioProVis: interactive visualization and analysis of compound bioactivity space. <i>Bioinformatics</i> , 2020, 36, 4227-4230.	4.1	7
30	A matching algorithm based on linear features. <i>Pattern Recognition Letters</i> , 1998, 19, 857-867.	4.2	6
31	Almost autonomous training of mixtures of principal component analyzers. <i>Pattern Recognition Letters</i> , 2004, 25, 1085-1095.	4.2	6
32	Bi-k-bi clustering: mining large scale gene expression data using two-level biclustering. <i>International Journal of Data Mining and Bioinformatics</i> , 2010, 4, 701.	0.1	5
33	HandVR: a hand-gesture-based interface to a video retrieval system. <i>Signal, Image and Video Processing</i> , 2015, 9, 1717-1726.	2.7	5
34	A character recognizer for Turkish language. , 0, , .		3
35	Change detection in aerial images. , 0, , .		3
36	Texture Segmentation Using the Mixtures of Principal Component Analyzers. <i>Lecture Notes in Computer Science</i> , 2003, , 505-512.	1.3	3

#	ARTICLE	IF	CITATIONS
37	SLPred: a multi-view subcellular localization prediction tool for multi-location human proteins. <i>Bioinformatics</i> , 2022, 38, 4226-4229.	4.1	3
38	AN IMAGE-BASED INEXPENSIVE 3D SCANNER. <i>International Journal of Image and Graphics</i> , 2003, 03, 235-263.	1.5	2
39	Which Shape Representation Is the Best for Real-Time Hand Interface System?. <i>Lecture Notes in Computer Science</i> , 2009, , 1-11.	1.3	2
40	Online Embedding and Clustering of Data Streams. , 2019, , .		2
41	Online embedding and clustering of evolving data streams. <i>Statistical Analysis and Data Mining</i> , 0, , .	2.8	2
42	<title>Segmentation of human face using gradient-based approach</title>. , 2001, , .		1
43	<title>Multibaseline stereo correction for silhouette-based 3D model reconstruction from multiple images</title>. , 2001, , .		1
44	Vision-based continuous Graffitiâ„¢-like text entry system. <i>Optical Engineering</i> , 2004, 43, 553.	1.0	1
45	Experimental study on the sensitivity of autocalibration to projective camera model parameters. <i>Optical Engineering</i> , 2006, 45, 047002.	1.0	1
46	EClizer: A customized force-directed graph drawing algorithm for biological graphs with EC attributes. <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1850007.	0.8	1
47	Comparison of Predictive Models for Forecasting Time-series Data. , 2019, , .		1
48	<title>Estimation of rotation between two frames of a scene</title>. , 1998, 3387, 252.		0
49	<title>Matching algorithm based on Godel coding scheme</title>. , 2000, 3974, 576.		0
50	A Novel Model-based Method for Feature Extraction from Protein Sequences for Classification. , 0, , .		0
51	Short time series microarray data analysis and biological annotation. , 2008, , .		0
52	Prediction of Protein Subcellular Localization Based on Primary Sequence Data. <i>Lecture Notes in Computer Science</i> , 2003, , 611-618.	1.3	0
53	Forecasting of Product Quality Through Anomaly Detection. <i>Communications in Computer and Information Science</i> , 2020, , 357-366.	0.5	0