

Volkan Atalay

List of Publications by Year in descending order

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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	SLPred: a multi-view subcellular localization prediction tool for multi-location human proteins. <i>Bioinformatics</i> , 2022, 38, 4226-4229.	4.1	3
2	Data stream clustering: a review. <i>Artificial Intelligence Review</i> , 2021, 54, 1201-1236.	15.7	65
3	Crowdsourced mapping of unexplored target space of kinase inhibitors. <i>Nature Communications</i> , 2021, 12, 3307.	12.8	41
4	CROsBAR: comprehensive resource of biomedical relations with knowledge graph representations. <i>Nucleic Acids Research</i> , 2021, 49, e96-e96.	14.5	19
5	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
6	iBioProVis: interactive visualization and analysis of compound bioactivity space. <i>Bioinformatics</i> , 2020, 36, 4227-4230.	4.1	7
7	Forecasting of Product Quality Through Anomaly Detection. <i>Communications in Computer and Information Science</i> , 2020, , 357-366.	0.5	0
8	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
9	DEEPred: Automated Protein Function Prediction with Multi-task Feed-forward Deep Neural Networks. <i>Scientific Reports</i> , 2019, 9, 7344.	3.3	80
10	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
11	Online Embedding and Clustering of Data Streams. , 2019, , .		2
12	Comparison of Predictive Models for Forecasting Time-series Data. , 2019, , .		1
13	EClerize: 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
14	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
15	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
16	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
17	Identification of Novel Reference Genes Based on MeSH Categories. <i>PLoS ONE</i> , 2014, 9, e93341.	2.5	12
18	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

#	ARTICLE	IF	CITATIONS
19	Bi-k-bi clustering: mining large scale gene expression data using two-level biclustering. International Journal of Data Mining and Bioinformatics, 2010, 4, 701.	0.1	5
20	GOPred: GO Molecular Function Prediction by Combined Classifiers. PLoS ONE, 2010, 5, e12382.	2.5	22
21	Which Shape Representation Is the Best for Real-Time Hand Interface System?. Lecture Notes in Computer Science, 2009, , 1-11.	1.3	2
22	Subsequence-based feature map for protein function classification. Computational Biology and Chemistry, 2008, 32, 122-130.	2.3	19
23	Short time series microarray data analysis and biological annotation. , 2008, , .		0
24	Texture Classification and Retrieval Using the Random Neural Network Model. Computational Management Science, 2006, 3, 193-205.	1.3	11
25	Experimental study on the sensitivity of autocalibration to projective camera model parameters. Optical Engineering, 2006, 45, 047002.	1.0	1
26	Implicit motif distribution based hybrid computational kernel for sequence classification. Bioinformatics, 2005, 21, 1429-1436.	4.1	15
27	Vision-based continuous Graffiti [®] -like text entry system. Optical Engineering, 2004, 43, 553.	1.0	1
28	Camera auto-calibration using a sequence of 2D images with small rotations. Pattern Recognition Letters, 2004, 25, 989-997.	4.2	8
29	Almost autonomous training of mixtures of principal component analyzers. Pattern Recognition Letters, 2004, 25, 1085-1095.	4.2	6
30	Ore-age: a hybrid system for assisting and teaching mining method selection. Expert Systems With Applications, 2003, 24, 261-271.	7.6	16
31	Silhouette-based 3-D model reconstruction from multiple images. IEEE Transactions on Systems, Man, and Cybernetics, 2003, 33, 582-591.	5.0	87
32	AN IMAGE-BASED INEXPENSIVE 3D SCANNER. International Journal of Image and Graphics, 2003, 03, 235-263.	1.5	2
33	Computer vision based unistroke keyboard system and mouse for the handicapped. , 2003, , .		7
34	Texture Segmentation Using the Mixtures of Principal Component Analyzers. Lecture Notes in Computer Science, 2003, , 505-512.	1.3	3
35	Prediction of Protein Subcellular Localization Based on Primary Sequence Data. Lecture Notes in Computer Science, 2003, , 611-618.	1.3	0
36	Computer vision based mouse. , 2002, , .		10

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37	A hierarchical representation of form documents for identification and retrieval. International Journal on Document Analysis and Recognition, 2002, 5, 17-27.	3.4	31
38	Projection based method for segmentation of human face and its evaluation. Pattern Recognition Letters, 2002, 23, 1623-1629.	4.2	80
39	Vision-based single-stroke character recognition for wearable computing. IEEE Intelligent Systems, 2001, 16, 33-37.	4.0	15
40	<title>Segmentation of human face using gradient-based approach</title>. , 2001, , .		1
41	Automated contour detection in blood cell images by an efficient snake algorithm. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 5839-5847.	1.1	12
42	<title>Multibaseline stereo correction for silhouette-based 3D model reconstruction from multiple images</title>. , 2001, , .		1
43	<title>Matching algorithm based on Godel coding scheme</title>. , 2000, 3974, 576.		0
44	Repulsive attractive network for baseline extraction on document images. Signal Processing, 1999, 75, 1-10.	3.7	26
45	Subband domain coding of binary textual images for document archiving. IEEE Transactions on Image Processing, 1999, 8, 1438-1446.	9.8	10
46	A matching algorithm based on linear features. Pattern Recognition Letters, 1998, 19, 857-867.	4.2	6
47	<title>Estimation of rotation between two frames of a scene</title>. , 1998, 3387, 252.		0
48	THE RANDOM NEURAL NETWORK MODEL FOR TEXTURE GENERATION. International Journal of Pattern Recognition and Artificial Intelligence, 1992, 06, 131-141.	1.2	63
49	Reconstruction of three dimensional models from real images. , 0, , .		10
50	A character recognizer for Turkish language. , 0, , .		3
51	Change detection in aerial images. , 0, , .		3
52	A Novel Model-based Method for Feature Extraction from Protein Sequences for Classification. , 0, , .		0
53	Online embedding and clustering of evolving data streams. Statistical Analysis and Data Mining, 0, , .	2.8	2