

Matthias Zeppelzauer

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

980
citations

567281

15
h-index

501196

28
g-index

59
all docs

59
docs citations

59
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Explaining Machine Learning Models for Clinical Gait Analysis. ACM Transactions on Computing for Healthcare, 2022, 3, 1-27.	5.0	19
2	EEG Hyperscanning and Qualitative Analysis of Moments of Interest in Music Therapy for Stroke Rehabilitation – A Feasibility Study. Brain Sciences, 2022, 12, 565.	2.3	7
3	Persistence codebooks for topological data analysis. Artificial Intelligence Review, 2021, 54, 1969-2009.	15.7	8
4	Where do university graduates live? – A computer vision approach using satellite images. Applied Intelligence, 2021, 51, 8088-8105.	5.3	5
5	ProSeCo: Visual analysis of class separation measures and dataset characteristics. Computers and Graphics, 2021, 96, 48-60.	2.5	3
6	A Taxonomy of Property Measures to Unify Active Learning and Human-centered Approaches to Data Labeling. ACM Transactions on Interactive Intelligent Systems, 2021, 11, 1-42.	3.7	4
7	Input representations and classification strategies for automated human gait analysis. Gait and Posture, 2020, 76, 198-203.	1.4	13
8	GaitRec, a large-scale ground reaction force dataset of healthy and impaired gait. Scientific Data, 2020, 7, 143.	5.3	23
9	Towards Distinction of Rock Art Pecking Styles with a Hybrid 2D/3D Approach. , 2019, , .		1
10	Prediction and analysis of heating energy demand for detached houses by computer vision. Energy and Buildings, 2019, 193, 29-35.	6.7	18
11	KAVAGait: Knowledge-Assisted Visual Analytics for Clinical Gait Analysis. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1528-1542.	4.4	30
12	Computer Vision and the Digital Humanities. VIEW Journal of European Television History and Culture, 2019, 7, 59.	0.2	4
13	Persistence Bag-of-Words for Topological Data Analysis. , 2019, , .		6
14	Real Estate Image Analysis: A Literature Review. Journal of Real Estate Literature, 2019, 27, 269-300.	0.7	14
15	Automatic Classification of Functional Gait Disorders. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1653-1661.	6.3	40
16	Comparing Visual-Interactive Labeling with Active Learning: An Experimental Study. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 298-308.	4.4	82
17	Poster abstract: predicting heating energy demand by computer vision. Computer Science - Research and Development, 2018, 33, 231-232.	2.7	5
18	VIAL: a unified process for visual interactive labeling. Visual Computer, 2018, 34, 1189-1207.	3.5	50

#	ARTICLE	IF	CITATIONS
19	A study on topological descriptors for the analysis of 3D surface texture. Computer Vision and Image Understanding, 2018, 167, 74-88.	4.7	9
20	Visual Estimation of Building Condition with Patch-level ConvNets. , 2018, , .		12
21	Automatic Prediction of Building Age from Photographs. , 2018, , .		25
22	Towards User-Centered Active Learning Algorithms. Computer Graphics Forum, 2018, 37, 121-132.	3.0	42
23	SoniControl - A Mobile Ultrasonic Firewall. , 2018, , .		0
24	A study on skeletonization of complex petroglyph shapes. Multimedia Tools and Applications, 2017, 76, 8285-8303.	3.9	9
25	The 3D-Pitoti Dataset. , 2017, , .		6
26	Visual-Interactive Similarity Search for Complex Objects by Example of Soccer Player Analysis. , 2017, , .		9
27	Interactive 3D Segmentation of Rock-Art by Enhanced Depth Maps and Gradient Preserving Regularization. Journal on Computing and Cultural Heritage, 2016, 9, 1-30.	2.1	28
28	Multimodal classification of events in social media. Image and Vision Computing, 2016, 53, 45-56.	4.5	17
29	Topological Descriptors for 3D Surface Analysis. Lecture Notes in Computer Science, 2016, , 77-87.	1.3	6
30	Efficient image-space extraction and representation of 3D surface topography. , 2015, , .		7
31	Interactive segmentation of rock-art in high-resolution 3D reconstructions. , 2015, , .		10
32	Establishing the fundamentals for an elephant early warning and monitoring system. BMC Research Notes, 2015, 8, 409.	1.4	26
33	Cultural Event recognition with visual ConvNets and temporal models. , 2015, , .		20
34	Towards an automated acoustic detection system for free-ranging elephants. Bioacoustics, 2015, 24, 13-29.	1.7	37
35	Graph-Based Shape Similarity of Petroglyphs. Lecture Notes in Computer Science, 2015, , 133-148.	1.3	7
36	Cross-Platform Social Event Detection. IEEE MultiMedia, 2015, 22, 14-25.	1.7	7

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37	Social Event Mining in Large Photo Collections. , 2015, , .		2
38	Unsupervised Selection of Robust Audio Feature Subsets. , 2014, , .		2
39	Age-group estimation in free-ranging African elephants based on acoustic cues of low-frequency rumbles. Bioacoustics, 2014, 23, 231-246.	1.7	26
40	Automated detection of elephants in wildlife video. Eurasip Journal on Image and Video Processing, 2013, 2013, 46.	2.6	49
41	Automated social event detection in large photo collections. , 2013, , .		28
42	Acoustic detection of elephant presence in noisy environments. , 2013, , .		15
43	Visualizing Sound Emission of Elephant Vocalizations: Evidence for Two Rumble Production Types. PLoS ONE, 2012, 7, e48907.	2.5	60
44	Archive Film Comparison. , 2012, , 188-202.		0
45	Film Analysis of Archived Documentaries. IEEE MultiMedia, 2011, 18, 38-47.	1.7	3
46	Cross-Modal Analysis of Audio-Visual Film Montage. , 2011, , .		3
47	Gradual transition detection in historic film material—a systematic study. Journal on Computing and Cultural Heritage, 2011, 4, 1-18.	2.1	3
48	Retrieval of motion composition in film. Digital Creativity, 2011, 22, 219-234.	1.6	1
49	Features for Content-Based Audio Retrieval. Advances in Computers, 2010, 78, 71-150.	1.6	132
50	A Novel Trajectory Clustering Approach for Motion Segmentation. Lecture Notes in Computer Science, 2010, , 433-443.	1.3	12
51	Scene Segmentation in Artistic Archive Documentaries. Lecture Notes in Computer Science, 2010, , 400-410.	1.3	7
52	Archive Film Comparison. International Journal of Multimedia Data Engineering and Management, 2010, 1, 41-56.	0.4	4
53	A study of gradual transition detection in historic film material. , 2010, , .		1
54	Camera Take Reconstruction. Lecture Notes in Computer Science, 2010, , 379-388.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Finding the Missing Piece: Content-Based Video Comparison. , 2009, , .		4
56	Analysis of Historical Artistic Documentaries. , 2008, , .		11