

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	Features for Content-Based Audio Retrieval. <i>Advances in Computers</i> , 2010, 78, 71-150.	1.6	132
2	Comparing Visual-Interactive Labeling with Active Learning: An Experimental Study. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2018, 24, 298-308.	4.4	82
3	Visualizing Sound Emission of Elephant Vocalizations: Evidence for Two Rumble Production Types. <i>PLoS ONE</i> , 2012, 7, e48907.	2.5	60
4	VIAL: a unified process for visual interactive labeling. <i>Visual Computer</i> , 2018, 34, 1189-1207.	3.5	50
5	Automated detection of elephants in wildlife video. <i>Eurasip Journal on Image and Video Processing</i> , 2013, 2013, 46.	2.6	49
6	Towards User-Centered Active Learning Algorithms. <i>Computer Graphics Forum</i> , 2018, 37, 121-132.	3.0	42
7	Automatic Classification of Functional Gait Disorders. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2018, 22, 1653-1661.	6.3	40
8	Towards an automated acoustic detection system for free-ranging elephants. <i>Bioacoustics</i> , 2015, 24, 13-29.	1.7	37
9	KAVAGait: Knowledge-Assisted Visual Analytics for Clinical Gait Analysis. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 1528-1542.	4.4	30
10	Automated social event detection in large photo collections. , 2013, , .		28
11	Interactive 3D Segmentation of Rock-Art by Enhanced Depth Maps and Gradient Preserving Regularization. <i>Journal on Computing and Cultural Heritage</i> , 2016, 9, 1-30.	2.1	28
12	Age-group estimation in free-ranging African elephants based on acoustic cues of low-frequency rumbles. <i>Bioacoustics</i> , 2014, 23, 231-246.	1.7	26
13	Establishing the fundamentals for an elephant early warning and monitoring system. <i>BMC Research Notes</i> , 2015, 8, 409.	1.4	26
14	Automatic Prediction of Building Age from Photographs. , 2018, , .		25
15	GaitRec, a large-scale ground reaction force dataset of healthy and impaired gait. <i>Scientific Data</i> , 2020, 7, 143.	5.3	23
16	Cultural Event recognition with visual ConvNets and temporal models. , 2015, , .		20
17	Explaining Machine Learning Models for Clinical Gait Analysis. <i>ACM Transactions on Computing for Healthcare</i> , 2022, 3, 1-27.	5.0	19
18	Prediction and analysis of heating energy demand for detached houses by computer vision. <i>Energy and Buildings</i> , 2019, 193, 29-35.	6.7	18

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19	Multimodal classification of events in social media. <i>Image and Vision Computing</i> , 2016, 53, 45-56.	4.5	17
20	Acoustic detection of elephant presence in noisy environments. , 2013, , .		15
21	Real Estate Image Analysis: A Literature Review. <i>Journal of Real Estate Literature</i> , 2019, 27, 269-300.	0.7	14
22	Input representations and classification strategies for automated human gait analysis. <i>Gait and Posture</i> , 2020, 76, 198-203.	1.4	13
23	A Novel Trajectory Clustering Approach for Motion Segmentation. <i>Lecture Notes in Computer Science</i> , 2010, , 433-443.	1.3	12
24	Visual Estimation of Building Condition with Patch-level ConvNets. , 2018, , .		12
25	Analysis of Historical Artistic Documentaries. , 2008, , .		11
26	Interactive segmentation of rock-art in high-resolution 3D reconstructions. , 2015, , .		10
27	A study on skeletonization of complex petroglyph shapes. <i>Multimedia Tools and Applications</i> , 2017, 76, 8285-8303.	3.9	9
28	A study on topological descriptors for the analysis of 3D surface texture. <i>Computer Vision and Image Understanding</i> , 2018, 167, 74-88.	4.7	9
29	Visual-Interactive Similarity Search for Complex Objects by Example of Soccer Player Analysis. , 2017, , .		9
30	Persistence codebooks for topological data analysis. <i>Artificial Intelligence Review</i> , 2021, 54, 1969-2009.	15.7	8
31	Efficient image-space extraction and representation of 3D surface topography. , 2015, , .		7
32	Graph-Based Shape Similarity of Petroglyphs. <i>Lecture Notes in Computer Science</i> , 2015, , 133-148.	1.3	7
33	Cross-Platform Social Event Detection. <i>IEEE MultiMedia</i> , 2015, 22, 14-25.	1.7	7
34	Scene Segmentation in Artistic Archive Documentaries. <i>Lecture Notes in Computer Science</i> , 2010, , 400-410.	1.3	7
35	EEG Hyperscanning and Qualitative Analysis of Moments of Interest in Music Therapy for Stroke Rehabilitation – A Feasibility Study. <i>Brain Sciences</i> , 2022, 12, 565.	2.3	7
36	The 3D-Pitoti Dataset. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
37	Topological Descriptors for 3D Surface Analysis. Lecture Notes in Computer Science, 2016, , 77-87.	1.3	6
38	Persistence Bag-of-Words for Topological Data Analysis. , 2019, , .		6
39	Poster abstract: predicting heating energy demand by computer vision. Computer Science - Research and Development, 2018, 33, 231-232.	2.7	5
40	Where do university graduates live? â€œ A computer vision approach using satellite images. Applied Intelligence, 2021, 51, 8088-8105.	5.3	5
41	Finding the Missing Piece: Content-Based Video Comparison. , 2009, , .		4
42	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
43	Computer Vision and the Digital Humanities. VIEW Journal of European Television History and Culture, 2019, 7, 59.	0.2	4
44	Archive Film Comparison. International Journal of Multimedia Data Engineering and Management, 2010, 1, 41-56.	0.4	4
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 materialâ€”a systematic study. Journal on Computing and Cultural Heritage, 2011, 4, 1-18.	2.1	3
48	ProSeCo: Visual analysis of class separation measures and dataset characteristics. Computers and Graphics, 2021, 96, 48-60.	2.5	3
49	Unsupervised Selection of Robust Audio Feature Subsets. , 2014, , .		2
50	Social Event Mining in Large Photo Collections. , 2015, , .		2
51	Retrieval of motion composition in film. Digital Creativity, 2011, 22, 219-234.	1.6	1
52	Towards Distinction of Rock Art Pecking Styles with a Hybrid 2D/3D Approach. , 2019, , .		1
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	Archive Film Comparison. , 2012, , 188-202.		0
56	SoniControl - A Mobile Ultrasonic Firewall. , 2018, , .		0