

Nicolas Tsapatsoulis

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

2,882
citations

471061

17
h-index

189595

50
g-index

120
all docs

120
docs citations

120
times ranked

1934
citing authors

#	ARTICLE	IF	CITATIONS
1	Topic Identification of Instagram Hashtag Sets for Image Tagging: An Empirical Assessment. Communications in Computer and Information Science, 2022, , 159-170.	0.4	0
2	Topic Identification via Human Interpretation of Word Clouds: The Case of Instagram Hashtags. IFIP Advances in Information and Communication Technology, 2021, , 283-294.	0.5	1
3	Face Verification in Practice: The Case of Greek Artist Leonidas Arniotis. Lecture Notes in Computer Science, 2021, , 131-139.	1.0	0
4	Image retrieval via topic modelling of Instagram hashtags. , 2020, , .		8
5	Image annotation: the effects of content, lexicon and annotation method. International Journal of Multimedia Information Retrieval, 2020, 9, 191-203.	3.6	6
6	IoT-Enabled Ambulances Assisting Citizens' Well-Being after Earthquake Disasters in Smart Cities. , 2019, , .		2
7	Filtering Instagram Hashtags Through Crowdtagging and the HITS Algorithm. IEEE Transactions on Computational Social Systems, 2019, 6, 592-603.	3.2	18
8	The Central Community of Twitter ego-Networks as a Means for Fake Influencer Detection. , 2019, , .		5
9	Cyberbullies in Twitter: A focused review. , 2019, , .		3
10	Social Relevance Feedback Based on Multimedia Content Power. IEEE Transactions on Computational Social Systems, 2018, 5, 109-117.	3.2	9
11	Twitter Influencers or Cheated Buyers?. , 2018, , .		4
12	Improving Social Vote Recommendation in VAAs: The Effects of Political Profile Augmentation and Classification Method. , 2018, , .		2
13	Topic modelling on Instagram hashtags: An alternative way to Automatic Image Annotation?. , 2018, , .		22
14	Opinion Mining From Social Media Short Texts: Does Collective Intelligence Beat Deep Learning?. Frontiers in Robotics and AI, 2018, 5, 138.	2.0	19
15	Metadata for Intangible Cultural Heritage - The Case of Folk Dances. , 2018, , .		9
16	Feature extraction for tweet classification: Do the humans perform better?. , 2017, , .		7
17	Defining and Identifying Stophashtags in Instagram. Advances in Intelligent Systems and Computing, 2017, , 304-313.	0.5	7
18	Identifying Image Tags from Instagram Hashtags Using the HITS Algorithm. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Multiresolution Organization of Social Media Usersâ€™ Profiles: Fast Detection and Efficient Transmission of Characteristic Profiles. , 2017, , .		1
20	Forecasting elections from VAA data: What the undecided would vote?. , 2017, , .		0
21	An integrated framework for evaluating the performance of age progression algorithms. International Journal of Biometrics, 2017, 9, 163.	0.3	0
22	Image Retrieval Using Keywords: The Machine Learning Perspective. , 2017, , 3-30.		3
23	An integrated framework for evaluating the performance of age progression algorithms. International Journal of Biometrics, 2017, 9, 163.	0.3	0
24	Wall-Content Selection in Social Media: A Relevance Feedback Scheme Based on Explicit Crowdsourcing. , 2016, , .		3
25	Mining online political opinion surveys for suspect entries: An interdisciplinary comparison. Journal of Innovation in Digital Ecosystems, 2016, 3, 172-182.	1.3	4
26	On the analysis of factors influencing the performance of facial age progression. , 2016, , .		3
27	Cyber security risks for minors: A taxonomy and a software architecture. , 2016, , .		13
28	Evaluating the descriptive power of Instagram hashtags. Journal of Innovation in Digital Ecosystems, 2016, 3, 114-129.	1.3	65
29	Applying Hidden Markov Models to Voting Advice Applications. EPJ Data Science, 2016, 5, .	1.5	8
30	Remote Authentication via Biometrics: A Robust Video-Object Steganographic Mechanism Over Wireless Networks. IEEE Transactions on Emerging Topics in Computing, 2016, 4, 156-174.	3.2	20
31	Overview of research on facial ageing using the FG-NET ageing database. IET Biometrics, 2016, 5, 37-46.	1.6	153
32	On the Design of Social Voting Recommendation Applications. International Journal on Artificial Intelligence Tools, 2015, 24, 1550009.	0.7	12
33	Unsupervised sports video particles annotation based on social latent semantic analysis. , 2015, , .		2
34	FG2015 age progression evaluation. , 2015, , .		1
35	Instagram Hashtags as Image Annotation Metadata. IFIP Advances in Information and Communication Technology, 2015, , 206-220.	0.5	11
36	Social Vote Recommendation: Building Party Models Using the Probability to Vote Feedback of VAA Users. , 2014, , .		1

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37	Foreword to Special Session. , 2014, , .		0
38	A View Behind the Scene: Data Structures and Software Architecture of a VAA. , 2014, , .		1
39	Lessons learned from the application of biometric-tests on a real case involving identity verification of a missing child. , 2014, , .		1
40	Automatic annotation of image databases based on implicit crowdsourcing, visual concept modeling and evolution. Multimedia Tools and Applications, 2014, 69, 397-421.	2.6	21
41	Social Voting Advice Applicationsâ€™Definitions, Challenges, Datasets and Evaluation. IEEE Transactions on Cybernetics, 2014, 44, 1039-1052.	6.2	39
42	Learning User Models in Multi-criteria Recommender Systems. Communications in Computer and Information Science, 2014, , 205-216.	0.4	4
43	Background modeling methods for visual detection of maritime targets. , 2013, , .		5
44	Video abstraction in social media: Augmenting facebook's EdgeRank algorithm in video content presentation. , 2013, , .		2
45	Spatial histogram of keypoints (SHIK). , 2013, , .		6
46	On the Quantification of Missing Value Impact on Voting Advice Applications. Communications in Computer and Information Science, 2013, , 496-505.	0.4	6
47	Voting Advice Applications: Missing Value Estimation Using Matrix Factorization and Collaborative Filtering. IFIP Advances in Information and Communication Technology, 2013, , 20-29.	0.5	5
48	Attention-Based Health Monitoring. International Journal of Monitoring and Surveillance Technologies Research, 2013, 1, 68-81.	0.3	0
49	Clustering Online Poll Data: Towards a Voting Assistance System. , 2012, , .		15
50	Semantic Gap between People: An Experimental Investigation Based on Image Annotation. , 2012, , .		4
51	Web Image Context Extraction Based on Semantic Representation of Web Page Visual Segments. , 2012, , .		4
52	Modelling Crowdsourcing Originated Keywords within the Athletics Domain. International Federation for Information Processing, 2012, , 404-413.	0.4	3
53	INVESTIGATING THE SCALABILITY OF ALGORITHMS, THE ROLE OF SIMILARITY METRIC AND THE LIST OF SUGGESTED ITEMS CONSTRUCTION SCHEME IN RECOMMENDER SYSTEMS. International Journal on Artificial Intelligence Tools, 2012, 21, 1240018.	0.7	10
54	Multiocular surveillance of wide dynamic environments based on optical vision, event modelling and end-to-end data encryption: A cloud-based monitoring approach of maritime activities. , 2012, , .		0

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55	Crowdsourcing annotation: Modelling keywords using low level features. , 2011, , .		9
56	Evaluating Annotators Consistency with the Aid of an Innovative Database Schema. , 2011, , .		4
57	Video-Object Oriented Biometrics Hiding for User Authentication under Error-Prone Transmissions. Eurasip Journal on Information Security, 2011, 2011, 1-12.	2.2	6
58	Quantitative evaluation of the effects of aging on biometric templates. IET Computer Vision, 2011, 5, 338.	1.3	25
59	Human action annotation, modeling and analysis based on implicit user interaction. Multimedia Tools and Applications, 2010, 50, 199-225.	2.6	12
60	Airborne asbestos fibers detection in microscope images using re-initialization free active contours. , 2010, 2010, 4785-8.		1
61	Implicit visual concept modeling in image / video annotation. , 2010, , .		0
62	Improving the Scalability of Recommender Systems by Clustering Using Genetic Algorithms. Lecture Notes in Computer Science, 2010, , 442-449.	1.0	17
63	A general framework for selecting biometric features for automatic user profiling. , 2010, , .		0
64	The Importance of Similarity Metrics for Representative Users Identification in Recommender Systems. International Federation for Information Processing, 2010, , 12-21.	0.4	4
65	On the Quantification of Aging Effects on Biometric Features. International Federation for Information Processing, 2010, , 360-367.	0.4	0
66	Annotation of Cultural Heritage Documents Based on XML Dictionaries and Data Clustering. Lecture Notes in Computer Science, 2010, , 306-317.	1.0	3
67	Health Monitoring through an Attention-Based Agent. , 2009, , .		0
68	Spatiotemporal saliency for video classification. Signal Processing: Image Communication, 2009, 24, 557-571.	1.8	30
69	Experimental Evaluation of the MPEG-7 Visual Descriptors for Object Classification. , 2009, , .		0
70	A Hierarchical Classification Scheme for Semantic Image Annotation. , 2009, , .		0
71	Unsupervised Clustering of Clickthrough Data for Automatic Annotation of Multimedia Content. Lecture Notes in Computer Science, 2009, , 895-904.	1.0	1
72	MuLVAT: A Video Annotation Tool Based on XML-Dictionaries and Shot Clustering. Lecture Notes in Computer Science, 2009, , 913-922.	1.0	8

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73	Active learning for microarray data. International Journal of Approximate Reasoning, 2008, 47, 85-96.	1.9	20
74	Modeling User Networks in Recommender Systems. , 2008, , .		1
75	Human action analysis, annotation and modeling in video streams based on implicit user interaction. , 2008, , .		3
76	POLYBIO: Multimodal Biometric Data Acquisition Platform and Security System. Lecture Notes in Computer Science, 2008, , 216-227.	1.0	5
77	Facial and Body Feature Extraction for Emotionally-Rich HCI. , 2008, , 2183-2192.		0
78	AN EMBEDDED SALIENCY MAP ESTIMATOR SCHEME: APPLICATION TO VIDEO ENCODING. International Journal of Neural Systems, 2007, 17, 289-304.	3.2	32
79	Biologically Inspired Region of Interest Selection for Lowbit-Rate Video Coding. , 2007, , .		2
80	Classifying Images from Athletics Based on Spatial Relations. , 2007, , .		3
81	Region of Interest Video Coding for Low bit-rate Transmission of Carotid Ultrasound Videos over 3G Wireless Networks. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3717-20.	0.5	11
82	Bottom-up spatiotemporal visual attention model for video analysis. IET Image Processing, 2007, 1, 237.	1.4	36
83	On the use of spatial relations between objects for image classification. , 2007, , 347-356.		0
84	An Attention-Based Architecture for Context Switch Detection. , 2007, , 205-229.		0
85	Clustering Microarray Data with Space Filling Curves. Lecture Notes in Computer Science, 2007, , 529-536.	1.0	0
86	Classifying Images from Athletics Based on Spatial Relations. , 2007, , .		0
87	A committee machine scheme for feature map fusion under uncertainty: the face detection case. International Journal of Intelligent Systems Technologies and Applications, 2006, 1, 346.	0.2	4
88	Wavelet Based Estimation of Saliency Maps in Visual Attention Algorithms. Lecture Notes in Computer Science, 2006, , 538-547.	1.0	16
89	Priority coding for video-telephony applications based on visual attention. , 2006, , .		1
90	Missing Value Estimation for DNA Microarrays with Mutliresolution Schemes. Lecture Notes in Computer Science, 2006, , 141-150.	1.0	2

#	ARTICLE	IF	CITATIONS
91	Intelligent initialization of resource allocating RBF networks. <i>Neural Networks</i> , 2005, 18, 117-122.	3.3	27
92	Enhancing the robustness of skin-based face detection schemes through a visual attention architecture. , 2005, , .		2
93	PROBABILISTIC BOUNDARY-BASED CONTOUR TRACKING WITH SNAKES IN NATURAL CLUTTERED VIDEO SEQUENCES. <i>International Journal of Image and Graphics</i> , 2004, 04, 469-498.	1.2	5
94	A snake model for object tracking in natural sequences. <i>Signal Processing: Image Communication</i> , 2004, 19, 219-238.	1.8	31
95	Rule-Driven Object Tracking in Clutter and Partial Occlusion with Model-Based Snakes. <i>Eurasip Journal on Advances in Signal Processing</i> , 2004, 2004, 1.	1.0	0
96	Emotion representation for virtual environments. , 2003, , .		1
97	An Intelligent Scheme for Facial Expression Recognition. <i>Lecture Notes in Computer Science</i> , 2003, , 1109-1116.	1.0	7
98	Improving the Performance of Resource Allocation Networks through Hierarchical Clustering of High-Dimensional Data. <i>Lecture Notes in Computer Science</i> , 2003, , 867-874.	1.0	6
99	Drawing Attention to the Dangerous. <i>Lecture Notes in Computer Science</i> , 2003, , 909-916.	1.0	5
100	Parameterized Facial Expression Synthesis Based on MPEG-4. <i>Eurasip Journal on Advances in Signal Processing</i> , 2002, 2002, 1.	1.0	81
101	Emotion recognition in human-computer interaction. <i>IEEE Signal Processing Magazine</i> , 2001, 18, 32-80.	4.6	1,781
102	A Neural-Network-Based Approach to Adaptive Human Computer Interaction. <i>Lecture Notes in Computer Science</i> , 2001, , 1054-1059.	1.0	2
103	<title>Moving to continuous facial expression space using the MPEG-4 facial definition parameter (FDP) set</title>. , 2000, 3959, 443.		11
104	Improved detection of breast cancer nuclei using modular neural networks. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2000, 19, 48-63.	1.1	24
105	Face Recognition Based on Multiple Representations: Splitting the Error Space. , 1999, , 345-356.		0
106	Face extraction from non-uniform background and recognition in compressed domain. , 0, , .		13
107	Emotion Recognition and Synthesis Based on MPEG-4 FAPs. , 0, , 141-167.		35
108	Facial expression classification based on MPEG-4 FAPs: the use of evidence and prior knowledge for uncertainty removal. , 0, , .		6