

Evangelos E Milios

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/262684/publications.pdf>

Version: 2024-02-01

168
papers

5,272
citations

279798

23
h-index

133252

59
g-index

175
all docs

175
docs citations

175
times ranked

3366
citing authors

#	ARTICLE	IF	CITATIONS
1	Globally Consistent Range Scan Alignment for Environment Mapping. <i>Autonomous Robots</i> , 1997, 4, 333-349.	4.8	990
2	Robot Pose Estimation in Unknown Environments by Matching 2D Range Scans. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 1997, 18, 249-275.	3.4	524
3	A taxonomy for multi-agent robotics. <i>Autonomous Robots</i> , 1996, 3, 375.	4.8	275
4	Semantic similarity methods in wordNet and their application to information retrieval on the web. , 2005, , .		224
5	Robotic exploration as graph construction. <i>IEEE Transactions on Automation Science and Engineering</i> , 1991, 7, 859-865.	2.3	206
6	Clustering event logs using iterative partitioning. , 2009, , .		192
7	AQUA: An Amphibious Autonomous Robot. <i>Computer</i> , 2007, 40, 46-53.	1.1	180
8	Matching and retrieval of distorted and occluded shapes using dynamic programming. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2002, 24, 1501-1516.	13.9	174
9	Information Retrieval by Semantic Similarity. <i>International Journal on Semantic Web and Information Systems</i> , 2006, 2, 55-73.	5.1	161
10	Finding expert users in community question answering. , 2012, , .		128
11	Multi-robot collaboration for robust exploration. <i>Annals of Mathematics and Artificial Intelligence</i> , 2001, 31, 7-40.	1.3	123
12	Improving the performance of focused web crawlers. <i>Data and Knowledge Engineering</i> , 2009, 68, 1001-1013.	3.4	106
13	A visually guided swimming robot. , 2005, , .		102
14	A Lightweight Algorithm for Message Type Extraction in System Application Logs. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2012, 24, 1921-1936.	5.7	102
15	Shape retrieval based on dynamic programming. <i>IEEE Transactions on Image Processing</i> , 2000, 9, 141-147.	9.8	95
16	A multi-centrality index for graph-based keyword extraction. <i>Information Processing and Management</i> , 2019, 56, 102063.	8.6	65
17	Multi-robot collaboration for robust exploration. , 0, , .		61
18	Characterizing and Mining the Citation Graph of the Computer Science Literature. <i>Knowledge and Information Systems</i> , 2004, 6, 664-678.	3.2	55

#	ARTICLE	IF	CITATIONS
19	Incremental cluster evolution tracking from highly dynamic network data. , 2014, , .		54
20	Node similarity in the citation graph. Knowledge and Information Systems, 2006, 11, 105-129.	3.2	50
21	Narrative text classification for automatic key phrase extraction in web document corpora. , 2005, , .		45
22	Shape matching using curvature processes. Computer Vision, Graphics, and Image Processing, 1989, 47, 203-226.	1.0	41
23	Map validation and robot self-location in a graph-like world. Robotics and Autonomous Systems, 1997, 22, 159-178.	5.1	41
24	Using HMM to learn user browsing patterns for focused Web crawling. Data and Knowledge Engineering, 2006, 59, 270-291.	3.4	41
25	DESIGN AND PERFORMANCE OF TRISH, A BINOCULAR ROBOT HEAD WITH TORSIONAL EYE MOVEMENTS. International Journal of Pattern Recognition and Artificial Intelligence, 1993, 07, 51-68.	1.2	39
26	Optimal spline fitting to planar shape. Signal Processing, 1994, 37, 129-140.	3.7	37
27	The ARK project: Autonomous mobile robots for known industrial environments. Robotics and Autonomous Systems, 1998, 25, 83-104.	5.1	36
28	Audiovisual localization of multiple speakers in a video teleconferencing setting. International Journal of Imaging Systems and Technology, 2003, 13, 95-105.	4.1	34
29	LogView: Visualizing Event Log Clusters. , 2008, , .		34
30	Text Similarity Using Google Tri-grams. Lecture Notes in Computer Science, 2012, , 312-317.	1.3	34
31	Document Representation and Dimension Reduction for Text Clustering. , 2007, , .		32
32	Document clustering using character N-grams. , 2005, , .		26
33	Virtual Audio Systems. Presence: Teleoperators and Virtual Environments, 2008, 17, 527-549.	0.6	25
34	Learning in efficient tag recommendation. , 2010, , .		24
35	Signal abstractions in signal processing software. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 913-928.	2.0	23
36	Sonification of range information for 3-D space perception. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2003, 11, 416-421.	4.9	23

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37	Statistical learning for OCR error correction. Information Processing and Management, 2018, 54, 874-887.	8.6	23
38	Agglomerative genetic algorithm for clustering in social networks. , 2009, , .		22
39	Acoustic positioning using multiple microphone arrays. Journal of the Acoustical Society of America, 2005, 117, 2772-2782.	1.1	21
40	A minimum entropy approach to rule learning from examples. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 621-635.	0.9	20
41	CAST. , 2014, , .		20
42	Probabilistic models for focused web crawling. , 2004, , .		19
43	Efficient Tag Recommendation for Real-Life Data. ACM Transactions on Intelligent Systems and Technology, 2011, 3, 1-21.	4.5	19
44	Interactive feature selection for document clustering. , 2011, , .		19
45	Active stereo sound localization. Journal of the Acoustical Society of America, 2003, 113, 185-193.	1.1	18
46	Self-Configuration Fuzzy System for Inverse Kinematics of Robot Manipulators. , 2006, , .		17
47	The impact of resource title on tags in collaborative tagging systems. , 2010, , .		17
48	Document Clustering With Dual Supervision Through Feature Reweighting. Computational Intelligence, 2016, 32, 480-513.	3.2	17
49	PROBABILISTIC MODELS FOR FOCUSED WEB CRAWLING. Computational Intelligence, 2012, 28, 289-328.	3.2	15
50	ATR-Vis. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-33.	3.5	15
51	Combining semantic and term frequency similarities for text clustering. Knowledge and Information Systems, 2019, 61, 1485-1516.	3.2	15
52	New towed-array shape-estimation scheme for real-time sonar systems. IEEE Journal of Oceanic Engineering, 2003, 28, 552-563.	3.8	14
53	Toward understanding how users respond to rumours in social media. , 2016, , .		14
54	Using molecular embeddings in QSAR modeling: does it make a difference?. Briefings in Bioinformatics, 2022, 23, .	6.5	14

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55	Characterization of Graphs Using Degree Cores. Lecture Notes in Computer Science, 2006, , 137-148.	1.3	14
56	A graph-based approach for positive and unlabeled learning. Information Sciences, 2021, 580, 655-672.	6.9	13
57	Diagnosis Using the Formal Theory of a Signal-Processing System. IEEE Transactions on Systems, Man, and Cybernetics, 1987, 17, 369-379.	0.9	12
58	Self-supervised learning for docking and target reaching. Robotics and Autonomous Systems, 1993, 11, 243-260.	5.1	12
59	Collaborative exploration for the construction of visual maps. , 0, , .		12
60	Weighted Link Analysis for Logo and Trademark Image Retrieval on the Web. , 0, , .		12
61	Interactive text document clustering using feature labeling. , 2013, , .		12
62	COVID-19 Pandemic: Identifying Key Issues Using Social Media and Natural Language Processing. Journal of Healthcare Informatics Research, 2022, 6, 174-207.	7.6	12
63	Link-based event detection in email communication networks. , 2009, , .		11
64	Detection of daily living activities using a two-stage Markov model. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 273-285.	1.4	11
65	An ensemble approach for text document clustering using Wikipedia concepts. , 2014, , .		11
66	Acoustic tracking from closest point of approach time, amplitude, and frequency at spatially distributed sensors. Journal of the Acoustical Society of America, 1990, 87, 1026-1034.	1.1	10
67	<title>Parallel path planning in unknown terrains</title>. , 1991, , .		10
68	Landmark selection strategies for path execution. Robotics and Autonomous Systems, 1996, 17, 171-185.	5.1	10
69	Automatic Website Summarization by Image Content: A Case Study with Logo and Trademark Images. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1195-1204.	5.7	10
70	Enhancing semi-supervised document clustering with feature supervision. , 2012, , .		10
71	Relative N-gram signatures: Document visualization at the level of character N-grams. , 2012, , .		10
72	A Visual Approach for Interactive Keyterm-Based Clustering. ACM Transactions on Interactive Intelligent Systems, 2018, 8, 1-35.	3.7	10

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73	Word sense disambiguation: an evaluation study of semi-supervised approaches with word embeddings. , 2020, , .		10
74	Robot Map Verification of a Graph World. Journal of Combinatorial Optimization, 2001, 5, 383-395.	1.3	9
75	SAVI: an actively controlled teleconferencing system. Image and Vision Computing, 2001, 19, 793-804.	4.5	9
76	Automatic document indexing in large medical collections. , 2006, , .		9
77	Fast entropy based alert detection in super computer logs. , 2010, , .		9
78	Multi-document summarization of scientific corpora. , 2011, , .		9
79	A Visual Framework for Clustering Memes in Social Media. , 2015, , .		9
80	A Visual Analytics Approach for Interactive Document Clustering. ACM Transactions on Interactive Intelligent Systems, 2020, 10, 1-33.	3.7	9
81	Relevance feedback methods for logo and trademark image retrieval on the web. , 2006, , .		8
82	Exploratory Visual Analysis and Interactive Pattern Extraction from Semi-Structured Data. ACM Transactions on Interactive Intelligent Systems, 2015, 5, 1-36.	3.7	8
83	What is in a Rumour. , 2016, , .		8
84	Vector Embedding of Wikipedia Concepts and Entities. Lecture Notes in Computer Science, 2017, , 418-428.	1.3	8
85	Similarity-Based Support for Text Reuse in Technical Writing. , 2015, , .		8
86	Investigating the Properties of a Social Bookmarking and Tagging Network. International Journal of Data Warehousing and Mining, 2010, 6, 1-19.	0.6	8
87	Reconstruction of a color image from nonuniformly distributed sparse and noisy data. Graphical Models, 1992, 54, 103-111.	0.6	7
88	Collaborative exploration for map construction. , 0, , .		7
89	Semi-supervised document clustering with dual supervision through seeding. , 2012, , .		7
90	Domain-Specific Semantic Relatedness from Wikipedia Structure: A Case Study in Biomedical Text. Lecture Notes in Computer Science, 2015, , 347-360.	1.3	7

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91	Twitter message recommendation based on user interest profiles. , 2016, , .		7
92	Summarizing Web Sites Automatically. Lecture Notes in Computer Science, 2003, , 283-296.	1.3	7
93	A Statistical Model for Topic Segmentation and Clustering. Lecture Notes in Computer Science, 2008, , 283-295.	1.3	7
94	System State Discovery Via Information Content Clustering of System Logs. , 2011, , .		6
95	Storage and retrieval of system log events using a structured schema based on message type transformation. , 2011, , .		6
96	An evolutionary subspace clustering algorithm for high-dimensional data. , 2012, , .		6
97	Using Google n-Grams to Expand Word-Emotion Association Lexicon. Lecture Notes in Computer Science, 2013, , 137-148.	1.3	6
98	Automatic recognition of regions of intrinsically poor multiple alignment using machine learning. , 0, , .		5
99	Filtering for medical news items. Proceedings of the American Society for Information Science and Technology, 2005, 39, 284-291.	0.2	5
100	Acoustical diffraction modeling utilizing the Huygens-Fresnel principle. , 0, , .		5
101	An Evaluation of Entropy Based Approaches to Alert Detection in High Performance Cluster Logs. , 2010, , .		5
102	Personalized document clustering with dual supervision. , 2012, , .		5
103	Large-Scale Web Page Classification. , 2014, , .		5
104	IntelliSearch: Intelligent Search for Images and Text on the Web. Lecture Notes in Computer Science, 2006, , 697-708.	1.3	5
105	Augmenting GEM-encoded clinical practice guidelines with relevant best evidence autonomously retrieved from MEDLINE. Health Informatics Journal, 2005, 11, 95-110.	2.1	4
106	Searching for logo and trademark images on the web. , 2007, , .		4
107	Link-Based Anomaly Detection in Communication Networks. , 2008, , .		4
108	Robust learning intrusion detection for attacks on wireless networks. Intelligent Data Analysis, 2011, 15, 801-823.	0.9	4

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109	Interactive document clustering with feature supervision through reweighting1. Intelligent Data Analysis, 2014, 18, 561-581.	0.9	4
110	Modelling Sonar Range Sensors. , 1992, , 361-370.		4
111	NetPal. , 2008, , .		3
112	Sonel Mapping: A Probabilistic Acoustical Modeling Method. Building Acoustics, 2008, 15, 289-313.	1.9	3
113	Topic-based web site summarization. International Journal of Web Information Systems, 2010, 6, 266-303.	2.4	3
114	Spatio-temporal decomposition, clustering and identification for alert detection in system logs. , 2012, , .		3
115	Interactive learning of alert signatures in High Performance Cluster system logs. , 2012, , .		3
116	Active Information Retrieval for Linking Twitter Posts with Political Debates. , 2015, , .		3
117	MiBio: A dataset for OCR post-processing evaluation. Data in Brief, 2018, 21, 251-255.	1.0	3
118	On the Positional Uncertainty of Multi-Robot Cooperative Localization. , 2002, , 3-10.		2
119	Post-Supervised Template Induction for Information Extraction from Lists and Tables in Dynamic Web Sources. Journal of Intelligent Information Systems, 2005, 25, 69-93.	3.9	2
120	Registration Uncertainty for Robot Self-localization in 3D. , 0, , .		2
121	Adaptability of a GP Based IDS on Wireless Networks. , 2008, , .		2
122	Information Retrieval in Network Administration. , 2008, , .		2
123	A unified framework for document clustering with dual supervision. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2012, 12, 53-63.	0.9	2
124	A graph-based topic extraction method enabling simple interactive customization. , 2013, , .		2
125	Text clustering using one-mode projection of document-word bipartite graphs. , 2013, , .		2
126	Efficient Computation of Co-occurrence Based Word Relatedness. , 2015, , .		2

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127	f: Phrase Relatedness Function Using Overlapping Bi-gram Context. Lecture Notes in Computer Science, 2016, , 137-149.	1.3	2
128	Improving Short Text Clustering by Similarity Matrix Sparsification. , 2018, , .		2
129	Representation Learning for Sparse, High Dimensional Multi-label Classification. Lecture Notes in Computer Science, 2012, , 463-470.	1.3	2
130	Selective Retrieval for Categorization of Semi-structured Web Resources. Lecture Notes in Computer Science, 2013, , 126-137.	1.3	2
131	Exploratory Search and Interactive Data Analytics. , 2017, , .		2
132	TrWP: Text Relatedness using Word and Phrase Relatedness. , 2015, , .		2
133	On the machine analysis of radar signals for ice profiling. Signal Processing, 1989, 18, 371-386.	3.7	1
134	Eyes 'n ears: face detection utilizing audio and video cues. , 0, , .		1
135	Vision data registration for robot self-localization in 3D. , 2005, , .		1
136	Self-organizing peer-to-peer networks for collaborative document tracking. , 2009, , .		1
137	A next generation entropy based framework for alert detection in system logs. , 2011, , .		1
138	An evolutionary algorithm for Feature Selective Double Clustering of text documents. , 2013, , .		1
139	An Offlineâ€œOnline Visual Framework for Clustering Memes in Social Media. Lecture Notes in Social Networks, 2017, , 1-29.	0.1	1
140	EulerianGrapher. , 2017, , .		1
141	Improving text relatedness by incorporating phrase relatedness with word relatedness. Computational Intelligence, 2018, 34, 939-966.	3.2	1
142	Active High-Recall Information Retrieval from Domain-Specific Text Corpora based on Query Documents. , 2018, , .		1
143	Multi-Objective GP Strategies for Topical Search Integrating Wikipedia Concepts. , 2019, , .		1
144	Nonuniform language in technical writing: Detection and correction. Natural Language Engineering, 2021, 27, 293-314.	2.5	1

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145	When was Macbeth Written? Mapping Book to Time. Lecture Notes in Computer Science, 2015, , 73-84.	1.3	1
146	Exploiting Multiple Features with MEMMs for Focused Web Crawling. Lecture Notes in Computer Science, 2008, , 99-110.	1.3	1
147	Modelling and Mining of Networked Information Spaces. Lecture Notes in Computer Science, 2006, , 1-17.	1.3	1
148	Workshop on Algorithms and Models for the Web Graph. Lecture Notes in Computer Science, 2006, , 18-23.	1.3	1
149	Assessing Causality Structures learned from Digital Text Media. , 2020, , .		1
150	Information Retrieval by Semantic Similarity. , 0, , 647-665.		1
151	DESIGN AND PERFORMANCE OF TRISH, A BINOCULAR ROBOT HEAD WITH TORSIONAL EYE MOVEMENTS. Series in Machine Perception and Artificial Intelligence, 1993, , 51-68.	0.1	0
152	Perception for Mobile Agents. Autonomous Robots, 2000, 8, 103-104.	4.8	0
153	Shrack: Description and Performance Evaluation of a Peer-to-Peer System for Document Sharing and Tracking using Pull-Only Information Dissemination. , 2007, , .		0
154	Natural Search Queries for Consumer-Oriented Databases.. , 2007, , .		0
155	Natural search pointers — A query formulation method for structured information search. , 2008, , .		0
156	Beyond term clusters. , 2013, , .		0
157	P-GTM. , 2014, , .		0
158	Semantic analysis of documents workshop (SemADoc). , 2014, , .		0
159	Introduction to Text Analytics Minitrack. , 2014, , .		0
160	Efficient Parallelization of the Google Trigram Method for Document Relatedness Computation. , 2015, , .		0
161	Machine learning meets visualization for extracting insights from text data. AI Matters, 2016, 2, 15-17.	0.4	0
162	Active neural learners for text with dual supervision. Neural Computing and Applications, 2020, 32, 13343-13362.	5.6	0

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163	Fourth Workshop on Exploratory Search and Interactive Data Analytics (ESIDA). , 2021, , .		0
164	Post-supervised Template Induction for Dynamic Web Sources. Lecture Notes in Computer Science, 2003, , 268-282.	1.3	0
165	How Document Properties Affect Document Relatedness Measures. Lecture Notes in Computer Science, 2014, , 392-403.	1.3	0
166	Do Important Words in Bag-of-Words Model of Text Relatedness Help?. Lecture Notes in Computer Science, 2015, , 569-577.	1.3	0
167	Relaxing Orthogonality Assumption in Conceptual Text Document Similarity. , 2016, , .		0
168	Vector Space Representation of Concepts Using Wikipedia Graph Structure. Lecture Notes in Computer Science, 2017, , 393-405.	1.3	0