Evangelos E Milios

List of Publications by Year
in descending order

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	Using molecular embeddings in QSAR modeling: does it make a difference?. Briefings in Bioinformatics, 2022, 23, .	6.5	14
2	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
3	Nonuniform language in technical writing: Detection and correction. Natural Language Engineering, 2021, 27, 293-314.	2.5	1
4	Fourth Workshop on Exploratory Search and Interactive Data Analytics (ESIDA). , 2021, , .		0
5	A graph-based approach for positive and unlabeled learning. Information Sciences, 2021, 580, 655-672.	6.9	13
6	A Visual Analytics Approach for Interactive Document Clustering. ACM Transactions on Interactive Intelligent Systems, 2020, 10, 1-33.	3.7	9
7	Active neural learners for text with dual supervision. Neural Computing and Applications, 2020, 32, 13343-13362.	5.6	0
8	Word sense disambiguation: an evaluation study of semi-supervised approaches with word embeddings. , 2020, , .		10
9	Assessing Causality Structures learned from Digital Text Media. , 2020, , .		1
10	A multi-centrality index for graph-based keyword extraction. Information Processing and Management, 2019, 56, 102063.	8.6	65
11	Multi-Objective GP Strategies for Topical Search Integrating Wikipedia Concepts. , 2019, , .		1
12	Combining semantic and term frequency similarities for text clustering. Knowledge and Information Systems, 2019, 61, 1485-1516.	3.2	15
13	A Visual Approach for Interactive Keyterm-Based Clustering. ACM Transactions on Interactive Intelligent Systems, 2018, 8, 1-35.	3.7	10
14	Improving text relatedness by incorporating phrase relatedness with word relatedness. Computational Intelligence, 2018, 34, 939-966.	3.2	1
15	ATR-Vis. ACM Transactions on Knowledge Discovery From Data, 2018, 12, 1-33.	3.5	15
16	Active High-Recall Information Retrieval from Domain-Specific Text Corpora based on Query Documents. , 2018, , .		1
17	MiBio: A dataset for OCR post-processing evaluation. Data in Brief, 2018, 21, 251-255.	1.0	3
18	Improving Short Text Clustering by Similarity Matrix Sparsification. , 2018, , .		2

#	Article	IF	Citations
19	Statistical learning for OCR error correction. Information Processing and Management, 2018, 54, 874-887.	8.6	23
20	An Offlineâ€"Online Visual Framework for Clustering Memes in Social Media. Lecture Notes in Social Networks, 2017, , 1-29.	0.1	1
21	EulerianGrapher. , 2017, , .		1
22	Vector Embedding of Wikipedia Concepts and Entities. Lecture Notes in Computer Science, 2017, , 418-428.	1.3	8
23	Exploratory Search and Interactive Data Analytics. , 2017, , .		2
24	Vector Space Representation of Concepts Using Wikipedia Graph Structure. Lecture Notes in Computer Science, 2017, , 393-405.	1.3	0
25	Document Clustering With Dual Supervision Through Feature Reweighting. Computational Intelligence, 2016, 32, 480-513.	3.2	17
26	Toward understanding how users respond to rumours in social media. , 2016, , .		14
27	f: Phrase Relatedness Function Using Overlapping Bi-gram Context. Lecture Notes in Computer Science, 2016, , 137-149.	1.3	2
28	What is in a Rumour. , 2016, , .		8
29	Twitter message recommendation based on user interest profiles. , 2016, , .		7
30	Machine learning meets visualization for extracting insights from text data. AI Matters, 2016, 2, 15-17.	0.4	0
31	Relaxing Orthogonality Assumption in Conceptual Text Document Similarity. , 2016, , .		0
32	Active Information Retrieval for Linking Twitter Posts with Political Debates. , 2015, , .		3
33	Efficient Parallelization of the Google Trigram Method for Document Relatedness Computation. , 2015, , .		0
34	A Visual Framework for Clustering Memes in Social Media. , 2015, , .		9
35	Exploratory Visual Analysis and Interactive Pattern Extraction from Semi-Structured Data. ACM Transactions on Interactive Intelligent Systems, 2015, 5, 1-36.	3.7	8
36	Domain-Specific Semantic Relatedness from Wikipedia Structure: A Case Study in Biomedical Text. Lecture Notes in Computer Science, 2015, , 347-360.	1.3	7

#	Article	IF	Citations
37	Efficient Computation of Co-occurrence Based Word Relatedness. , 2015, , .		2
38	Similarity-Based Support for Text Reuse in Technical Writing. , 2015, , .		8
39	TrWP: Text Relatedness using Word and Phrase Relatedness. , 2015, , .		2
40	Do Important Words in Bag-of-Words Model of Text Relatedness Help?. Lecture Notes in Computer Science, 2015, , 569-577.	1.3	0
41	When was Macbeth Written? Mapping Book to Time. Lecture Notes in Computer Science, 2015, , 73-84.	1.3	1
42	Interactive document clustering with feature supervision through reweighting1. Intelligent Data Analysis, 2014, 18, 561-581.	0.9	4
43	P-GTM. , 2014, , .		0
44	CAST. , 2014, , .		20
45	Semantic analysis of documents workshop (SemADoc). , 2014, , .		0
46	An ensemble approach for text document clustering using Wikipedia concepts. , 2014, , .		11
47	Incremental cluster evolution tracking from highly dynamic network data. , 2014, , .		54
48	Large-Scale Web Page Classification. , 2014, , .		5
49	Introduction to Text Analytics Minitrack. , 2014, , .		0
50	How Document Properties Affect Document Relatedness Measures. Lecture Notes in Computer Science, 2014, , 392-403.	1.3	0
51	An evolutionary algorithm for Feature Selective Double Clustering of text documents. , 2013, , .		1
52	A graph-based topic extraction method enabling simple interactive customization. , 2013, , .		2
53	Text clustering using one-mode projection of document-word bipartite graphs. , 2013, , .		2
54	Interactive text document clustering using feature labeling. , 2013, , .		12

#	Article	IF	Citations
55	Beyond term clusters. , 2013, , .		0
56	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
57	Using Google n-Grams to Expand Word-Emotion Association Lexicon. Lecture Notes in Computer Science, 2013, , 137-148.	1.3	6
58	Selective Retrieval for Categorization of Semi-structured Web Resources. Lecture Notes in Computer Science, 2013, , 126-137.	1.3	2
59	Spatio-temporal decomposition, clustering and identification for alert detection in system logs. , 2012, , .		3
60	Enhancing semi-supervised document clustering with feature supervision. , 2012, , .		10
61	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
62	Semi-supervised document clustering with dual supervision through seeding. , 2012, , .		7
63	Personalized document clustering with dual supervision. , 2012, , .		5
64	Relative N-gram signatures: Document visualization at the level of character N-grams. , 2012, , .		10
65	Finding expert users in community question answering. , 2012, , .		128
66	Interactive learning of alert signatures in High Performance Cluster system logs. , 2012, , .		3
67	An evolutionary subspace clustering algorithm for high-dimensional data. , 2012, , .		6
68	A Lightweight Algorithm for Message Type Extraction in System Application Logs. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 1921-1936.	5.7	102
69	PROBABILISTIC MODELS FOR FOCUSED WEB CRAWLING. Computational Intelligence, 2012, 28, 289-328.	3.2	15
70	Text Similarity Using Google Tri-grams. Lecture Notes in Computer Science, 2012, , 312-317.	1.3	34
71	Representation Learning for Sparse, High Dimensional Multi-label Classification. Lecture Notes in Computer Science, 2012, , 463-470.	1.3	2
72	A next generation entropy based framework for alert detection in system logs. , 2011, , .		1

#	Article	IF	Citations
73	System State Discovery Via Information Content Clustering of System Logs. , 2011, , .		6
74	Efficient Tag Recommendation for Real-Life Data. ACM Transactions on Intelligent Systems and Technology, 2011, 3, 1-21.	4.5	19
75	Robust learning intrusion detection for attacks on wireless networks. Intelligent Data Analysis, 2011, 15, 801-823.	0.9	4
76	Interactive feature selection for document clustering. , 2011, , .		19
77	Storage and retrieval of system log events using a structured schema based on message type transformation. , 2011, , .		6
78	Multi-document summarization of scientific corpora. , 2011, , .		9
79	Topicâ€based web site summarization. International Journal of Web Information Systems, 2010, 6, 266-303.	2.4	3
80	An Evaluation of Entropy Based Approaches to Alert Detection in High Performance Cluster Logs. , 2010, , .		5
81	Learning in efficient tag recommendation. , 2010, , .		24
82	The impact of resource title on tags in collaborative tagging systems. , 2010, , .		17
83	Fast entropy based alert detection in super computer logs. , 2010, , .		9
84	Investigating the Properties of a Social Bookmarking and Tagging Network. International Journal of Data Warehousing and Mining, 2010, 6, 1-19.	0.6	8
85	Clustering event logs using iterative partitioning. , 2009, , .		192
86	Self-organizing peer-to-peer networks for collaborative document tracking. , 2009, , .		1
87	Link-based event detection in email communication networks. , 2009, , .		11
88	Improving the performance of focused web crawlers. Data and Knowledge Engineering, 2009, 68, 1001-1013.	3.4	106
89	Agglomerative genetic algorithm for clustering in social networks. , 2009, , .		22
90	LogView: Visualizing Event Log Clusters. , 2008, , .		34

#	Article	IF	Citations
91	Link-Based Anomaly Detection in Communication Networks. , 2008, , .		4
92	Adaptabilty of a GP Based IDS on Wireless Networks. , 2008, , .		2
93	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
94	Virtual Audio Systems. Presence: Teleoperators and Virtual Environments, 2008, 17, 527-549.	0.6	25
95	NetPal. , 2008, , .		3
96	Natural search pointers — A query formulation method for structured information search. , 2008, , .		0
97	Information Retrieval in Network Administration. , 2008, , .		2
98	Sonel Mapping: A Probabilistic Acoustical Modeling Method. Building Acoustics, 2008, 15, 289-313.	1.9	3
99	A Statistical Model for Topic Segmentation and Clustering. Lecture Notes in Computer Science, 2008, , 283-295.	1.3	7
100	Exploiting Multiple Features with MEMMs for Focused Web Crawling. Lecture Notes in Computer Science, 2008, , 99-110.	1.3	1
101	Shrack: Description and Performance Evaluation of a Peer-to-Peer System for Document Sharing and Tracking using Pull-Only Information Dissemination. , 2007, , .		0
102	Searching for logo and trademark images on the web. , 2007, , .		4
103	Document Representation and Dimension Reduction for Text Clustering. , 2007, , .		32
104	Natural Search Queries for Consumer-Oriented Databases.. , 2007, , .		0
105	AQUA: An Amphibious Autonomous Robot. Computer, 2007, 40, 46-53.	1.1	180
106	Self-Configuration Fuzzy System for Inverse Kinematics of Robot Manipulators. , 2006, , .		17
107	Information Retrieval by Semantic Similarity. International Journal on Semantic Web and Information Systems, 2006, 2, 55-73.	5.1	161
108	Using HMM to learn user browsing patterns for focused Web crawling. Data and Knowledge Engineering, 2006, 59, 270-291.	3.4	41

#	Article	IF	Citations
109	Node similarity in the citation graph. Knowledge and Information Systems, 2006, 11, 105-129.	3.2	50
110	Automatic document indexing in large medical collections. , 2006, , .		9
111	Relevance feedback methods for logo and trademark image retrieval on the web. , 2006, , .		8
112	IntelliSearch: Intelligent Search for Images and Text on the Web. Lecture Notes in Computer Science, 2006, , 697-708.	1.3	5
113	Characterization of Graphs Using Degree Cores. Lecture Notes in Computer Science, 2006, , 137-148.	1.3	14
114	Modelling and Mining of Networked Information Spaces. Lecture Notes in Computer Science, 2006, , 1-17.	1.3	1
115	Workshop on Algorithms and Models for the Web Graph. Lecture Notes in Computer Science, 2006, , 18-23.	1.3	1
116	Augmenting GEM-encoded clinical practice guidelines with relevant best evidence autonomously retrieved from MEDLINE. Health Informatics Journal, 2005, 11, 95-110.	2.1	4
117	Filtering for medical news items. Proceedings of the American Society for Information Science and Technology, 2005, 39, 284-291.	0.2	5
118	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
119	Document clustering using character N-grams. , 2005, , .		26
120	Narrative text classification for automatic key phrase extraction in web document corpora. , 2005, , .		45
121	A visually guided swimming robot. , 2005, , .		102
122	Acoustic positioning using multiple microphone arrays. Journal of the Acoustical Society of America, 2005, 117, 2772-2782.	1.1	21
123	Vision data registration for robot self-localization in 3D. , 2005, , .		1
124	Semantic similarity methods in wordNet and their application to information retrieval on the web. , 2005, , .		224
125	Probabilistic models for focused web crawling. , 2004, , .		19
126	Characterizing and Mining the Citation Graph of the Computer Science Literature. Knowledge and Information Systems, 2004, 6, 664-678.	3.2	55

#	Article	IF	Citations
127	Audiovisual localization of multiple speakers in a video teleconferencing setting. International Journal of Imaging Systems and Technology, 2003, 13, 95-105.	4.1	34
128	New towed-array shape-estimation scheme for real-time sonar systems. IEEE Journal of Oceanic Engineering, 2003, 28, 552-563.	3.8	14
129	Sonification of range information for 3-D space perception. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2003, 11, 416-421.	4.9	23
130	Active stereo sound localization. Journal of the Acoustical Society of America, 2003, 113, 185-193.	1.1	18
131	Summarizing Web Sites Automatically. Lecture Notes in Computer Science, 2003, , 283-296.	1.3	7
132	Post-supervised Template Induction for Dynamic Web Sources. Lecture Notes in Computer Science, 2003, , 268-282.	1.3	0
133	On the Positional Uncertainty of Multi-Robot Cooperative Localization. , 2002, , 3-10.		2
134	Matching and retrieval of distorted and occluded shapes using dynamic programming. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2002, 24, 1501-1516.	13.9	174
135	Multi-robot collaboration for robust exploration. Annals of Mathematics and Artificial Intelligence, 2001, 31, 7-40.	1.3	123
136	Robot Map Verification of a Graph World. Journal of Combinatorial Optimization, 2001, 5, 383-395.	1.3	9
137	SAVI: an actively controlled teleconferencing system. Image and Vision Computing, 2001, 19, 793-804.	4.5	9
138	Perception for Mobile Agents. Autonomous Robots, 2000, 8, 103-104.	4.8	0
139	Shape retrieval based on dynamic programming. IEEE Transactions on Image Processing, 2000, 9, 141-147.	9.8	95
140	The ARK project: Autonomous mobile robots for known industrial environments. Robotics and Autonomous Systems, 1998, 25, 83-104.	5.1	36
141	Robot Pose Estimation in Unknown Environments by Matching 2D Range Scans. Journal of Intelligent and Robotic Systems: Theory and Applications, 1997, 18, 249-275.	3.4	524
142	Globally Consistent Range Scan Alignment for Environment Mapping. Autonomous Robots, 1997, 4, 333-349.	4.8	990
143	Map validation and robot self-location in a graph-like world. Robotics and Autonomous Systems, 1997, 22, 159-178.	5.1	41
144	Landmark selection strategies for path execution. Robotics and Autonomous Systems, 1996, 17, 171-185.	5.1	10

#	Article	IF	Citations
145	A taxonomy for multi-agent robotics. Autonomous Robots, 1996, 3, 375.	4.8	275
146	Optimal spline fitting to planar shape. Signal Processing, 1994, 37, 129-140.	3.7	37
147	Self-supervised learning for docking and target reaching. Robotics and Autonomous Systems, 1993, 11, 243-260.	5.1	12
148	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
149	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
150	Reconstruction of a color image from nonuniformly distributed sparse and noisy data. Graphical Models, 1992, 54, 103-111.	0.6	7
151	A minimum entropy approach to rule learning from examples. IEEE Transactions on Systems, Man, and Cybernetics, 1992, 22, 621-635.	0.9	20
152	Modelling Sonar Range Sensors. , 1992, , 361-370.		4
153	Robotic exploration as graph construction. IEEE Transactions on Automation Science and Engineering, 1991, 7, 859-865.	2.3	206
154	<title>Parallel path planning in unknown terrains</title>. , 1991, , .		10
155	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
156	On the machine analysis of radar signals for ice profiling. Signal Processing, 1989, 18, 371-386.	3.7	1
157	Shape matching using curvature processes. Computer Vision, Graphics, and Image Processing, 1989, 47, 203-226.	1.0	41
158	Signal abstractions in signal processing software. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 913-928.	2.0	23
159	Diagnosis Using the Formal Theory of a Signal-Processing System. IEEE Transactions on Systems, Man, and Cybernetics, 1987, 17, 369-379.	0.9	12
160	Multi-robot collaboration for robust exploration. , 0, , .		61
161	Collaborative exploration for the construction of visual maps. , 0, , .		12
162	Collaborative exploration for map construction. , 0, , .		7

#	Article	IF	Citations
163	Eyes 'n ears: face detection utilizing audio and video cues. , 0, , .		1
164	Automatic recognition of regions of intrinsically poor multiple alignment using machine learning. , 0, , .		5
165	Registration Uncertainty for Robot Self-localization in 3D. , 0, , .		2
166	Weighted Link Analysis for Logo and Trademark Image Retrieval on the Web. , 0, , .		12
167	Acoustical diffraction modeling utilizing the huygens-fresnel principle. , 0, , .		5
168	Information Retrieval by Semantic Similarity. , 0, , 647-665.		1