

# Iraklis Varlamis

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

2,232  
citations

361388

20  
h-index

345203

36  
g-index

137  
all docs

137  
docs citations

137  
times ranked

1469  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fake news detection: A hybrid CNN-RNN based deep learning approach. International Journal of Information Management Data Insights, 2021, 1, 100007.	9.7	218
2	Recommender Systems for Large-Scale Social Networks: A review of challenges and solutions. Future Generation Computer Systems, 2018, 78, 413-418.	7.5	134
3	SEWeP. , 2003, , .		99
4	A Trust-Aware System for Personalized User Recommendations in Social Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 409-421.	9.3	91
5	Text Relatedness Based on a Word Thesaurus. Journal of Artificial Intelligence Research, 0, 37, 1-39.	7.0	89
6	A survey of recommender systems for energy efficiency in buildings: Principles, challenges and prospects. Information Fusion, 2021, 72, 1-21.	19.1	80
7	BlogRank. , 2006, , .		67
8	THESUS: Organizing Web document collections based on link semantics. VLDB Journal, 2003, 12, 320-332.	4.1	55
9	The emergence of explainability of intelligent systems: Delivering explainable and personalized recommendations for energy efficiency. International Journal of Intelligent Systems, 2021, 36, 656-680.	5.7	54
10	Blockchain-based recommender systems: Applications, challenges and future opportunities. Computer Science Review, 2022, 43, 100439.	15.3	49
11	The Role of Micro-Moments: A Survey of Habitual Behavior Change and Recommender Systems for Energy Saving. IEEE Systems Journal, 2019, 13, 3376-3387.	4.6	48
12	Achieving Domestic Energy Efficiency Using Micro-Moments and Intelligent Recommendations. IEEE Access, 2020, 8, 15047-15055.	4.2	44
13	REHAB-C: Recommendations for Energy HABits Change. Future Generation Computer Systems, 2020, 112, 394-407.	7.5	43
14	Semantic smoothing for text clustering. Knowledge-Based Systems, 2013, 54, 216-229.	7.1	39
15	A knowledge-based semantic framework for query expansion. Information Processing and Management, 2019, 56, 1605-1617.	8.6	36
16	A Study on Social Network Metrics and Their Application in Trust Networks. , 2010, , .		35
17	Endorsing domestic energy saving behavior using micro-moment classification. Applied Energy, 2019, 250, 1302-1311.	10.1	34
18	The Present and Future of Standards for E-Learning Technologies. Interdisciplinary Journal of E-Skills and Lifelong Learning, 0, 2, 059-076.	0.0	34

#	ARTICLE	IF	CITATIONS
19	Malnutrition in older adults: Correlations with social, diet-related, and neuropsychological factors. <i>Nutrition</i> , 2020, 71, 110640.	2.4	33
20	Smart fusion of sensor data and human feedback for personalized energy-saving recommendations. <i>Applied Energy</i> , 2022, 305, 117775.	10.1	32
21	Detecting rising stars in dynamic collaborative networks. <i>Journal of Informetrics</i> , 2017, 11, 198-222.	2.9	31
22	Biosensors and Internet of Things in smart healthcare applications: challenges and opportunities. , 2020, , 25-53.		30
23	A distributed framework for extracting maritime traffic patterns. <i>International Journal of Geographical Information Science</i> , 2021, 35, 767-792.	4.8	29
24	Application of data mining techniques and data analysis methods to measure cancer morbidity and mortality data in a regional cancer registry: The case of the island of Crete, Greece. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 145, 73-83.	4.7	28
25	Work-related musculoskeletal disorders among Greek hospital nursing professionals: A cross-sectional observational study. <i>Work</i> , 2018, 61, 489-498.	1.1	23
26	Bridging XML-schema and relational databases. , 2001, , .		22
27	Large scale opinion mining for social, news and blog data. <i>Journal of Systems and Software</i> , 2017, 127, 237-248.	4.5	22
28	How to Become a Group Leader? or Modeling Author Types Based on Graph Mining. <i>Lecture Notes in Computer Science</i> , 2011, , 15-26.	1.3	21
29	“œl Want to ... Change” Micro-moment based Recommendations can Change Users’™ Energy Habits. , 2019, , .		21
30	Social recommendations for personalized fitness assistance. <i>Personal and Ubiquitous Computing</i> , 2018, 22, 245-257.	2.8	20
31	An Experimental Study on Unsupervised Graph-based Word Sense Disambiguation. <i>Lecture Notes in Computer Science</i> , 2010, , 184-198.	1.3	20
32	Effect of Mastiha supplementation on NAFLD: The MAST4HEALTH Randomised, Controlled Trial. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001178.	3.3	19
33	Use of social media by healthcare professionals in Greece: an exploratory study. <i>International Journal of Electronic Healthcare</i> , 2012, 7, 105.	0.3	18
34	Optimizing Parallel Collaborative Filtering Approaches for Improving Recommendation Systems Performance. <i>Information (Switzerland)</i> , 2019, 10, 155.	2.9	18
35	Building navigation networks from multi-vessel trajectory data. <i>Geoinformatica</i> , 2021, 25, 69-97.	2.7	18
36	Techno-economic assessment of building energy efficiency systems using behavioral change: A case study of an edge-based micro-moments solution. <i>Journal of Cleaner Production</i> , 2022, 331, 129786.	9.3	18

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37	A Micro-Moment System for Domestic Energy Efficiency Analysis. IEEE Systems Journal, 2021, 15, 1256-1263.	4.6	17
38	A Knowledge-Based Semantic Kernel for Text Classification. Lecture Notes in Computer Science, 2011, , 261-266.	1.3	17
39	Detecting Search and Rescue Missions from AIS Data. , 2018, , .		16
40	A Survey on Sentiment Analysis and Opinion Mining in Greek Social Media. Information (Switzerland), 2021, 12, 331.	2.9	16
41	A model for predicting room occupancy based on motion sensor data. , 2020, , .		15
42	Real-time personalised energy saving recommendations. , 2020, , .		15
43	Monitoring the evolution of interests in the blogosphere. , 2008, , .		14
44	Text Classification Using the N-Gram Graph Representation Model Over High Frequency Data Streams. Frontiers in Applied Mathematics and Statistics, 2018, 4, .	1.3	14
45	Application of Social Network Metrics to a Trust-Aware Collaborative Model for Generating Personalized User Recommendations. Lecture Notes in Social Networks, 2013, , 49-74.	0.1	14
46	A Survey on the Use of Graph Convolutional Networks for Combating Fake News. Future Internet, 2022, 14, 70.	3.8	14
47	Extracting User Habits from Google Maps History Logs. , 2018, , .		13
48	THESUS, a closer view on Web content management enhanced with link semantics. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 685-700.	5.7	12
49	Semantically driven snippet selection for supporting focused web searches. Data and Knowledge Engineering, 2009, 68, 261-277.	3.4	12
50	Academic Excellence, Website Quality, SEO Performance: Is there a Correlation?. Future Internet, 2019, 11, 242.	3.8	12
51	Data Analytics, Automations, and Micro-Moment Based Recommendations for Energy Efficiency. , 2020, , .		12
52	Smart Energy Usage and Visualization Based on Micro-moments. Advances in Intelligent Systems and Computing, 2020, , 557-566.	0.6	12
53	Word Sense Disambiguation with Semantic Networks. Lecture Notes in Computer Science, 2008, , 219-226.	1.3	12
54	Distributed Virtual Reality Authoring Interfaces for the WWW: The VR-Shop Case. Multimedia Tools and Applications, 2004, 22, 5-30.	3.9	11

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55	Wordrank: A Method for Ranking Web Pages Based on Content Similarity. , 2007, , .		11
56	Classification of movement data concerning user's activity recognition via mobile phones. , 2014, , .		11
57	Using big data and federated learning for generating energy efficiency recommendations. International Journal of Data Science and Analytics, 2023, 16, 353-369.	4.1	11
58	Security and trust in virtual healthcare communities. , 2009, , .		10
59	Omiotis: A Thesaurus-Based Measure of Text Relatedness. Lecture Notes in Computer Science, 2009, , 742-745.	1.3	10
60	Mining Frequent Generalized Patterns for Web Personalization in the Presence of Taxonomies. International Journal of Data Warehousing and Mining, 2010, 6, 58-76.	0.6	10
61	Boosting Domestic Energy Efficiency Through Accurate Consumption Data Collection. , 2019, , .		9
62	Reducing energy waste in households through real-time recommendations. , 2020, , .		9
63	Scaling Collaborative Filtering to Large-Scale Bipartite Rating Graphs Using Lenskit and Spark. , 2017, , .		8
64	A Framework for the Detection of Search and Rescue Patterns Using Shapelet Classification. Future Internet, 2019, 11, 192.	3.8	8
65	Detecting Aggressive Behavior in Discussion Threads Using Text Mining. Lecture Notes in Computer Science, 2018, , 420-431.	1.3	8
66	Towards a Personalized Blog Site Recommendation System: A Collaborative Rating Approach. , 2009, , .		7
67	Evolutionary data sampling for user movement classification. , 2015, , .		7
68	PRO-Fit: Exercise with friends. , 2016, , .		7
69	Reshaping Consumption Habits by Exploiting Energy-Related Micro-moment Recommendations: A Case Study. Communications in Computer and Information Science, 2021, , 65-84.	0.5	7
70	Self-supportive virtual communities. International Journal of Web Based Communities, 2010, 6, 43.	0.3	6
71	Visualizing Bibliographic Databases as Graphs and Mining Potential Research Synergies. , 2011, , .		6
72	SemaFor. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
73	PaloPro: a platform for knowledge extraction from big social data and the news. International Journal of Big Data Intelligence, 2017, 4, 3.	0.4	6
74	A versatile package recommendation framework aiming at preference score maximization. Evolving Systems, 2020, 11, 423-441.	3.9	6
75	Exploring the Dominance of the English Language on the Websites of EU Countries. Future Internet, 2020, 12, 76.	3.8	6
76	Uncovering Hidden Concepts from AIS Data: A Network Abstraction of Maritime Traffic for Anomaly Detection. Lecture Notes in Computer Science, 2020, , 6-20.	1.3	6
77	Blog Rating as an Iterative Collaborative Process. Studies in Computational Intelligence, 2010, , 187-203.	0.9	6
78	Scalable Semantic Annotation of Text Using Lexical and Web Resources. Lecture Notes in Computer Science, 2010, , 287-296.	1.3	6
79	An automatic wrapper generation process for large scale crawling of news websites. , 2014, , .		5
80	TipMe. , 2015, , .		5
81	A risk management model for securing virtual healthcare communities. International Journal of Electronic Healthcare, 2011, 6, 95.	0.3	4
82	Efficient community detection using power graph analysis. , 2011, , .		4
83	Application of Affinity Analysis Techniques on Diagnosis and Prescription Data. , 2017, , .		4
84	A data mining approach for predicting main-engine rotational speed from vessel-data measurements. , 2019, , .		4
85	Dependable Integration Concepts for Human-Centric AI-Based Systems. Lecture Notes in Computer Science, 2021, , 11-23.	1.3	4
86	Temporal Classifiers for Predicting the Expansion of Medical Subject Headings. Lecture Notes in Computer Science, 2013, , 98-113.	1.3	4
87	A Holistic Perspective of Security in Health Related Virtual Communities. , 2009, , 367-381.		4
88	Detection of Physical Strain and Fatigue in Industrial Environments Using Visual and Non-Visual Low-Cost Sensors. Technologies, 2022, 10, 42.	5.1	4
89	Semantic relatedness hits bibliographic data. , 2009, , .		3
90	Mining potential research synergies from co-authorship graphs using power graph analysis. International Journal of Web Engineering and Technology, 2012, 7, 250.	0.2	3

#	ARTICLE	IF	CITATIONS
91	A Platform for Real-Time Opinion Mining from Social Media and News Streams. , 2015, , .		3
92	A Package Recommendation Framework Based on Collaborative Filtering and Preference Score Maximization. Communications in Computer and Information Science, 2017, , 477-489.	0.5	3
93	Use of health-related indices and classification methods in medical data. , 2019, , 31-66.		3
94	Big data analytics for intelligent transportation systems. , 2020, , 207-221.		3
95	Stop-and-move sequence expressions over semantic trajectories. International Journal of Geographical Information Science, 2021, 35, 793-818.	4.8	3
96	Strand: scalable trilateration with Node.js. Journal of Cloud Computing: Advances, Systems and Applications, 2019, 8, .	3.9	3
97	Decentralization of the Greek National Telemedicine System. , 2008, , 278-296.		3
98	A Framework for the Quality Assurance of Blended E-Learning Communities. Lecture Notes in Computer Science, 2010, , 23-32.	1.3	3
99	Word Sense Disambiguation as an Integer Linear Programming Problem. Lecture Notes in Computer Science, 2012, , 33-40.	1.3	3
100	Medical Informatics in the Web 2.0 Era. Studies in Computational Intelligence, 2008, , 513-522.	0.9	3
101	Estimation on the Importance of Semantic Web Integration for Art and Culture Related Online Media Outlets. Future Internet, 2022, 14, 36.	3.8	3
102	User Evaluation and Metrics Analysis of a Prototype Web-Based Federated Search Engine for Art and Cultural Heritage. Information (Switzerland), 2022, 13, 285.	2.9	3
103	Hospital Information Systems Replacement and Healthcare Quality. International Journal of Reliable and Quality E-Healthcare, 2012, 1, 1-12.	1.1	2
104	A tool for the visualisation of public opinion. International Journal of Electronic Governance, 2013, 6, 218.	0.2	2
105	Finding influential sources and breaking news in news media using graph analysis techniques. International Journal of Web Engineering and Technology, 2017, 12, 143.	0.2	2
106	Document clustering as a record linkage problem. , 2018, , .		2
107	Social media in health care: Exploring its use by health-care professionals in Greece. Informatics for Health and Social Care, 2022, 47, 1-9.	2.6	2
108	Developing a Civic Journalism Social Medium on the Web: Technological Methods and Constraints. , 2010, , 291-301.		2

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109	Mapping Art to a Knowledge Graph: Using Data for Exploring the Relations among Visual Objects in Renaissance Art. <i>Future Internet</i> , 2022, 14, 206.	3.8	2
110	A scalable solution for personalized recommendations in large-scale social networks. , 2014, , .		1
111	Distributing N-Gram Graphs for Classification. <i>Communications in Computer and Information Science</i> , 2017, , 3-11.	0.5	1
112	Parallelization of Large-Scale Drug-Protein Binding Experiments. , 2017, , .		1
113	The effect of global and local influence models on the quality of recommendations. , 2019, , .		1
114	Graph matching on social networks without any side information. , 2019, , .		1
115	Affinity analysis for studying physiciansâ€™ prescription behavior.. <i>Data Mining and Knowledge Discovery</i> , 2021, 35, 1739.	3.7	1
116	Detection of physical strain and fatigue in industrial environments using visual and non-visual sensors. , 2021, , .		1
117	Mining Habitual User Choices from Google Maps History Logs. <i>Lecture Notes in Social Networks</i> , 2020, , 151-175.	0.1	1
118	The Evolution of Healthcare Applications in the Web 2.0 Era. <i>Studies in Computational Intelligence</i> , 2010, , 315-328.	0.9	0
119	A Security Model for Virtual Healthcare Communities. <i>Annals of Information Systems</i> , 2012, , 75-113.	0.5	0
120	Strengthening Privacy in Healthcare Social Networks. , 2015, , 613-635.		0
121	SAT-290-Association of liver inflammation and fibrosis score with noninvasive biomarkers in non-alcoholic fatty liver disease: Preliminary results from the MAST4HEALTH study. <i>Journal of Hepatology</i> , 2019, 70, e765.	3.7	0
122	Parallelization of large-scale drugâ€™protein binding experiments. <i>Future Generation Computer Systems</i> , 2019, 97, 492-502.	7.5	0
123	PaloAnalytics: project concept, scope and early results from the system implementation. , 2019, , .		0
124	The iMPROVE Study; Design, Dietary Patterns, and Development of a Lifestyle Index in Overweight and Obese Greek Adults. <i>Nutrients</i> , 2021, 13, 3495.	4.1	0
125	Web-Based Communities for Lifelong Medical Learning. <i>Annals of Information Systems</i> , 2010, , 167-180.	0.5	0
126	A distributed architecture for large scale news and social media processing. <i>International Journal of Web Engineering and Technology</i> , 2020, 15, 383.	0.2	0



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127	Mining Frequent Generalized Patterns for Web Personalization in the Presence of Taxonomies. , 0, , 52-68.		0
128	Quality Assurance in Evidence-Based Medicine. , 0, , 86-99.		0
129	Online federated learning with imbalanced class distribution. , 2020, , .		0