

Lefteris Koumakis

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,078
citations

430442

18
h-index

500791

28
g-index

85
all docs

85
docs citations

85
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning models in genomics; are we there yet?. Computational and Structural Biotechnology Journal, 2020, 18, 1466-1473.	1.9	89
2	Enhancing <i>Reuse</i> of Data and Biological Material in Medical Research: From FAIR to FAIR-Health. Biopreservation and Biobanking, 2018, 16, 97-105.	0.5	71
3	mHealth and telemedicine apps: in search of a common regulation. Ecancermedalscience, 2018, 12, 853.	0.6	54
4	A systematic review of predictive risk models for diabetes complications based on large scale clinical studies. Journal of Diabetes and Its Complications, 2013, 27, 407-413.	1.2	50
5	Artificial intelligence radiogenomics for advancing precision and effectiveness in oncologic care (Review). International Journal of Oncology, 2020, 57, 43-53.	1.4	49
6	iManageCancer: Developing a Platform for Empowering Patients and Strengthening Self-Management in Cancer Diseases. , 2017, , .		45
7	Dementia Care Frameworks and Assistive Technologies for Their Implementation: A Review. IEEE Reviews in Biomedical Engineering, 2019, 12, 4-18.	13.1	44
8	Modeling Susceptibility to Periodontitis. Journal of Dental Research, 2013, 92, 45-50.	2.5	39
9	Development of interactive empowerment services in support of personalised medicine. Ecancermedalscience, 2014, 8, 400.	0.6	36
10	Patient empowerment for cancer patients through a novel ICT infrastructure. Journal of Biomedical Informatics, 2020, 101, 103342.	2.5	35
11	Evaluation of personal health record systems through the lenses of EC research projects. Computers in Biology and Medicine, 2015, 59, 175-185.	3.9	34
12	Smart Recommendation Services in Support of Patient Empowerment and Personalized Medicine. Smart Innovation, Systems and Technologies, 2013, , 39-61.	0.5	30
13	Semantic biomedical resource discovery: a Natural Language Processing framework. BMC Medical Informatics and Decision Making, 2015, 15, 77.	1.5	27
14	Radiogenomics Monitoring in Breast Cancer Identifies Metabolism and Immune Checkpoints as Early Actionable Mechanisms of Resistance to Anti-angiogenic Treatment. EBioMedicine, 2016, 10, 109-116.	2.7	27
15	Donorâ€™s support tool: Enabling informed secondary use of patientâ€™s biomaterial and personal data. International Journal of Medical Informatics, 2017, 97, 282-292.	1.6	25
16	Electronic Patient-Reported Outcomeâ€™Based Interventions for Palliative Cancer Care: A Systematic and Mapping Review. JCO Clinical Cancer Informatics, 2020, 4, 647-656.	1.0	24
17	Gene Selection via Discretized Gene-Expression Profiles and Greedy Feature-Elimination. Lecture Notes in Computer Science, 2004, , 256-266.	1.0	23
18	MinePath: Mining for Phenotype Differential Sub-paths in Molecular Pathways. PLoS Computational Biology, 2016, 12, e1005187.	1.5	23

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19	IEmS: A collaborative environment for patient empowerment. , 2012, , .		21
20	Towards Intelligent Personal Health Record Systems: Review, Criteria and Extensions. Procedia Computer Science, 2013, 21, 327-334.	1.2	20
21	Knowledge Discovery Scientific Workflows in Clinico-Genomics. , 2007, , .		19
22	Integrated Care Solutions for the Citizen: Personal Health Record Functional Models to Support Interoperability. European Journal for Biomedical Informatics, 2017, 13, .	0.5	19
23	Workflow-driven clinical decision support for personalized oncology. BMC Medical Informatics and Decision Making, 2016, 16, 87.	1.5	18
24	The INTEGRATE project: Delivering solutions for efficient multi-centric clinical research and trials. Journal of Biomedical Informatics, 2016, 62, 32-47.	2.5	18
25	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review. JMIR MHealth and UHealth, 2022, 10, e32344.	1.8	17
26	Personal health information recommender: implementing a tool for the empowerment of cancer patients. Ecancermedalscience, 2018, 12, 851.	0.6	14
27	Development of an eHealth tool for cancer patients: monitoring psychoemotional aspects with the family resilience (FaRe) questionnaire. Ecancermedalscience, 2018, 12, 852.	0.6	12
28	Coupling Regulatory Networks and Microarrays: Revealing Molecular Regulations of Breast Cancer Treatment Responses. Lecture Notes in Computer Science, 2012, , 239-246.	1.0	10
29	ShinyAnonymizer: A Tool for Anonymizing Health Data. , 2019, , .		10
30	Developing a Data Infrastructure for Enabling Breast Cancer Women to BOUNCE Back. , 2019, , .		9
31	Mining XML Clinical Data: the HealthObs System. Ingenierie Des Systemes D'Information, 2005, 10, 59-79.	0.5	9
32	minepath.org: a free interactive pathway analysis web server. Nucleic Acids Research, 2017, 45, W116-W121.	6.5	8
33	Using Electronic Patient Reported Outcomes to Foster Palliative Cancer Care: The MyPal Approach. , 2019, , .		8
34	Web-Based Authoring and Secure Enactment of Bioinformatics Workflows. , 2009, , .		7
35	Vision-based absence seizure detection. , 2012, 2012, 65-8.		7
36	Integrating Microarray Data and GRNs. Methods in Molecular Biology, 2015, 1375, 137-153.	0.4	7

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37	iManageMyHealth and iSupportMyPatients: mobile decision support and health management apps for cancer patients and their doctors. <i>Ecancermedicalscience</i> , 2018, 12, 848.	0.6	7
38	Towards Reproducible Bioinformatics: The OpenBio-C Scientific Workflow Environment. , 2019, , .		7
39	An Integrated Approach Towards Developing Quality Mobile Health Apps for Cancer. <i>Advances in Healthcare Information Systems and Administration Book Series</i> , 2019, , 46-71.	0.2	7
40	Enhancing Web Based Services by Coupling Document Classification with User Profile. , 2005, , .		6
41	Implementing a data management infrastructure for big healthcare data. , 2018, , .		6
42	Employing Conversational Agents in Palliative Care: A Feasibility Study and Preliminary Assessment. , 2019, , .		6
43	Psycho-emotional tools for better treatment adherence and therapeutic outcomes for cancer patients. <i>Studies in Health Technology and Informatics</i> , 2016, 224, 129-34.	0.2	5
44	A new gene expression signature related to breast cancer estrogen receptor status. , 2008, , .		4
45	Bridging miRNAs and pathway analysis in clinical decision support: a case study in nephroblastoma. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2015, 4, 1.	1.2	4
46	Computational Models for Predicting Resilience Levels of Women with Breast Cancer. <i>IFMBE Proceedings</i> , 2020, , 518-525.	0.2	4
47	Personally Managed Health Data: Barriers, Approaches, and a Roadmap for the Future. <i>Journal of Biomedical Informatics</i> , 2020, 106, 103440.	2.5	4
48	Mining Interesting Clinico-Genomic Associations: The HealthObs Approach. , 2007, , 137-145.		4
49	An Augmented Reality Childrenâ€™s Book Edutainment through Participatory Content Creation and Promotion Based on the Pastoral Life of Psiloritis. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1339.	1.3	4
50	Fostering Palliative Care Through Digital Intervention: A Platform for Adult Patients With Hematologic Malignancies. <i>Frontiers in Digital Health</i> , 2021, 3, 730722.	1.5	4
51	Current trends in Electronic Family Resilience Tools: Implementing a tool for the cancer domain. <i>IFMBE Proceedings</i> , 2018, , 29-32.	0.2	3
52	An Innovative, Information and Communication Technology Supported Approach, Towards Effective Chronic Pain Management. , 2020, , 125-145.		3
53	Patient Empowerment through Personal Medical Recommendations. <i>Studies in Health Technology and Informatics</i> , 2015, 216, 1117.	0.2	3
54	Supporting genotype-to-phenotype association studies with grid-enabled knowledge discovery workflows. , 2009, 2009, 6958-62.		2

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55	A Semantic Infrastructure for the Integration of Bioinformatics Services. , 2009, , .		2
56	Integrating microarray data and gene regulatory networks: Survey and critical considerations. , 2011, , .		2
57	An algorithmic approach for the effect of transcription factor binding sites over functional gene regulatory networks. , 2015, , .		2
58	On the development of an open and collaborative bioinformatics research environment. Procedia Computer Science, 2018, 126, 1062-1071.	1.2	2
59	Natural Language Processing for Biomedical Tools Discovery: A Feasibility Study and Preliminary Results. Lecture Notes in Business Information Processing, 2014, , 134-145.	0.8	2
60	Participatory Aspects of ICT Infrastructures for Cancer Management. , 2020, , 87-108.		2
61	Scientific discovery workflows in bioinformatics: a scenario for the coupling of molecular regulatory pathways and gene-expression profiles. Studies in Health Technology and Informatics, 2010, 160, 1304-8.	0.2	2
62	Experimental model construction and validation of the ErbB signaling pathway. , 2013, , .		1
63	miRNA Based Pathway Analysis Tool in Nephroblastoma as a Proof of Principle for other Cancer Domains. , 2014, , .		1
64	An Innovative, Information and Communication Technology Supported Approach, Towards Effective Chronic Pain Management. International Journal of Reliable and Quality E-Healthcare, 2019, 8, 23-39.	1.0	1
65	Computational Modeling of Psychological Resilience Trajectories During Breast Cancer Treatment. , 2019, , .		1
66	Enabling Ontology-Based Search: A Case Study in the Bioinformatics Domain. , 2019, , .		1
67	Converting Biomedical Text Annotated Resources into FAIR Research Objects with an Open Science Platform. Applied Sciences (Switzerland), 2021, 11, 9648.	1.3	1
68	Smart Healthcare Apps for Quality Cancer Patient Support. International Journal of Big Data and Analytics in Healthcare, 2020, 5, 28-48.	0.4	1
69	Designing smart analytical data services for a personal health framework. Studies in Health Technology and Informatics, 2016, 224, 123-8.	0.2	1
70	Designing a Novel Technical Infrastructure for Chronic Pain Self-Management. Studies in Health Technology and Informatics, 2018, 249, 203-207.	0.2	1
71	iSupport: Building a Resilience Support Tool for Improving the Health Condition of the Patient During the Care Path. Studies in Health Technology and Informatics, 2019, 261, 253-258.	0.2	1
72	Editorial: Digital Health for Palliative Care. Frontiers in Digital Health, 2022, 4, 888419.	1.5	1

#	ARTICLE	IF	CITATIONS
73	Bioinformatics Tools for Data Analysis. , 2017, , 339-351.		0
74	Randomization of Clinical Trial Participants via an Integrated Web Service. Studies in Health Technology and Informatics, 2021, 281, 1124-1125.	0.2	0
75	Predictive Analytics Based on Open Source Technologies for Acute Respiratory Distress Syndrome. , 2021, , .		0
76	Designing a conversational agent for patients with hematologic malignancies: Usability and Usefulness Study. , 2021, , .		0
77	Mining Time Series with Mine Time. Lecture Notes in Computer Science, 2006, , 158-168.	1.0	0
78	Web Services Automation. , 2009, , 239-258.		0
79	Towards the Discovery of Reliable Biomarkers from Gene-Expression Profiles: An Iterative Constraint Satisfaction Learning Approach. Lecture Notes in Computer Science, 2010, , 233-242.	1.0	0