Lefteris Koumakis

List of Publications by Year
in descending order

79	1,078	430754	501076
papers	citations	18 h-index	28 g-index

85	85	85	1455
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Augmented Reality Childrenâ€™s Book Edutainment through Participatory Content Creation and Promotion Based on the Pastoral Life of Psiloritis. Applied Sciences (Switzerland), 2022, 12, 1339.	1.3	4
2	Deep Learning in mHealth for Cardiovascular Disease, Diabetes, and Cancer: Systematic Review. JMIR MHealth and UHealth, 2022, 10, e32344.	1.8	17
3	Editorial: Digital Health for Palliative Care. Frontiers in Digital Health, 2022, 4, 888419.	1.5	1
4	Randomization of Clinical Trial Participants via an Integrated Web Service. Studies in Health Technology and Informatics, 2021, 281, 1124-1125.	0.2	0
5	Predictive Analytics Based on Open Source Technologies for Acute Respiratory Distress Syndrome. , 2021, , .		0
6	Designing a conversational agent for patients with hematologic malignancies: Usability and Usefulness Study. , 2021, , .		0
7	Converting Biomedical Text Annotated Resources into FAIR Research Objects with an Open Science Platform. Applied Sciences (Switzerland), 2021, 11, 9648.	1.3	1
8	Fostering Palliative Care Through Digital Intervention: A Platform for Adult Patients With Hematologic Malignancies. Frontiers in Digital Health, 2021, 3, 730722.	1.5	4
9	Patient empowerment for cancer patients through a novel ICT infrastructure. Journal of Biomedical Informatics, 2020, 101, 103342.	2.5	35
10	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
11	Deep learning models in genomics; are we there yet?. Computational and Structural Biotechnology Journal, 2020, 18, 1466-1473.	1.9	89
12	Artificial intelligence radiogenomics for advancing precision and effectiveness in oncologic care (Review). International Journal of Oncology, 2020, 57, 43-53.	1.4	49
13	Computational Models for Predicting Resilience Levels of Women with Breast Cancer. IFMBE Proceedings, 2020, , 518-525.	0.2	4
14	Participatory Aspects of ICT Infrastructures for Cancer Management. , 2020, , 87-108.		2
15	Personally Managed Health Data: Barriers, Approaches, and a Roadmap for the Future. Journal of Biomedical Informatics, 2020, 106, 103440.	2.5	4
16	Smart Healthcare Apps for Quality Cancer Patient Support. International Journal of Big Data and Analytics in Healthcare, 2020, 5, 28-48.	0.4	1
17	An Innovative, Information and Communication Technology Supported Approach, Towards Effective Chronic Pain Management. , 2020, , 125-145.		3
18	Developing a Data Infrastructure for Enabling Breast Cancer Women to BOUNCE Back. , 2019, , .		9

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19	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
20	Employing Conversational Agents in Palliative Care: A Feasibility Study and Preliminary Assessment. , 2019, , .		6
21	Using Electronic Patient Reported Outcomes to Foster Palliative Cancer Care: The MyPal Approach. , 2019, , .		8
22	Computational Modeling of Psychological Resilience Trajectories During Breast Cancer Treatment. , 2019, , .		1
23	Towards Reproducible Bioinformatics: The OpenBio-C Scientific Workflow Environment. , 2019, , .		7
24	Enabling Ontology-Based Search: A Case Study in the Bioinformatics Domain. , 2019, , .		1
25	Dementia Care Frameworks and Assistive Technologies for Their Implementation: A Review. IEEE Reviews in Biomedical Engineering, 2019, 12, 4-18.	13.1	44
26	ShinyAnonymizer: A Tool for Anonymizing Health Data. , 2019, , .		10
27	An Integrated Approach Towards Developing Quality Mobile Health Apps for Cancer. Advances in Healthcare Information Systems and Administration Book Series, 2019, , 46-71.	0.2	7
28	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
29	Enhancing Reuse of Data and Biological Material in Medical Research: From FAIR to FAIR-Health. Biopreservation and Biobanking, 2018, 16, 97-105.	0.5	71
30	Implementing a data management infrastructure for big healthcare data. , 2018, , .		6
31	On the development of an open and collaborative bioinformatics research environment. Procedia Computer Science, 2018, 126, 1062-1071.	1.2	2
32	Development of an eHealth tool for cancer patients: monitoring psychoemotional aspects with the family resilience (FaRe) questionnaire. Ecancermedicalscience, 2018, 12, 852.	0.6	12
33	iManageMyHealth and iSupportMyPatients: mobile decision support and health management apps for cancer patients and their doctors. Ecancermedicalscience, 2018, 12, 848.	0.6	7
34	Personal health information recommender: implementing a tool for the empowerment of cancer patients. Ecancermedicalscience, 2018, 12, 851.	0.6	14
35	mHealth and telemedicine apps: in search of a common regulation. Ecancermedicalscience, 2018, 12, 853.	0.6	54
36	Current trends in Electronic Family Resilience Tools: Implementing a tool for the cancer domain. IFMBE Proceedings, 2018, , 29-32.	0.2	3

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37	Designing a Novel Technical Infrastructure for Chronic Pain Self-Management. Studies in Health Technology and Informatics, 2018, 249, 203-207.	0.2	1
38	minepath.org: a free interactive pathway analysis web server. Nucleic Acids Research, 2017, 45, W116-W121.	6.5	8
39	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
40	iManageCancer: Developing a Platform for Empowering Patients and Strengthening Self-Management in Cancer Diseases. , 2017, , .		45
41	Bioinformatics Tools for Data Analysis. , 2017, , 339-351.		0
42	Integrated Care Solutions for the Citizen: Personal Health Record Functional Models to Support Interoperability. European Journal for Biomedical Informatics, 2017, 13, .	0.5	19
43	MinePath: Mining for Phenotype Differential Sub-paths in Molecular Pathways. PLoS Computational Biology, 2016, 12, e1005187.	1.5	23
44	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
45	Workflow-driven clinical decision support for personalized oncology. BMC Medical Informatics and Decision Making, 2016, 16, 87.	1.5	18
46	The INTEGRATE project: Delivering solutions for efficient multi-centric clinical research and trials. Journal of Biomedical Informatics, 2016, 62, 32-47.	2.5	18
47	Designing smart analytical data services for a personal health framework. Studies in Health Technology and Informatics, 2016, 224, 123-8.	0.2	1
48	Psycho-emotional tools for better treatment adherence and therapeutic outcomes for cancer patients. Studies in Health Technology and Informatics, 2016, 224, 129-34.	0.2	5
49	Semantic biomedical resource discovery: a Natural Language Processing framework. BMC Medical Informatics and Decision Making, 2015, 15, 77.	1.5	27
50	An algorithmic approach for the effect of transcription factor binding sites over functional gene regulatory networks. , 2015, , .		2
51	Integrating Microarray Data and GRNs. Methods in Molecular Biology, 2015, 1375, 137-153.	0.4	7
52	Bridging miRNAs and pathway analysis in clinical decision support: a case study in nephroblastoma. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	1.2	4
53	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
54	Patient Empowerment through Personal Medical Recommendations. Studies in Health Technology and Informatics, 2015, 216, 1117.	0.2	3

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55	Development of interactive empowerment services in support of personalised medicine. Ecancermedicalscience, 2014, 8, 400.	0.6	36
56	miRNA Based Pathway Analysis Tool in Nephroblastoma as a Proof of Principle for other Cancer Domains. , 2014, , .		1
57	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
58	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
59	Experimental model construction and validation of the ErbB signaling pathway. , 2013, , .		1
60	Towards Intelligent Personal Health Record Systems: Review, Criteria and Extensions. Procedia Computer Science, 2013, 21, 327-334.	1.2	20
61	Modeling Susceptibility to Periodontitis. Journal of Dental Research, 2013, 92, 45-50.	2.5	39
62	Smart Recommendation Services in Support of Patient Empowerment and Personalized Medicine. Smart Innovation, Systems and Technologies, 2013, , 39-61.	0.5	30
63	IEmS: A collaborative environment for patient empowerment. , 2012, , .		21
64	Vision-based absence seizure detection. , 2012, 2012, 65-8.		7
65	Coupling Regulatory Networks and Microarays: Revealing Molecular Regulations of Breast Cancer Treatment Responses. Lecture Notes in Computer Science, 2012, , 239-246.	1.0	10
66	Integrating microarray data and gene regulatory networks: Survey and critical considerations. , 2011, , .		2
67	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
68	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
69	Supporting genotype-to-phenotype association studies with grid-enabled knowledge discovery workflows. , 2009, 2009, 6958-62.		2
70	Web-Based Authoring and Secure Enactment of Bioinformatics Workflows. , 2009, , .		7
71	A Semantic Infrastructure for the Integration of Bioinformatics Services. , 2009, , .		2
72	Web Services Automation. , 2009, , 239-258.		0

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73	A new gene expression signature related to breast cancer estrogen receptor status. , 2008, , .		4
74	Knowledge Discovery Scientific Workflows in Clinico-Genomics. , 2007, , .		19
75	Mining Interesting Clinico-Genomic Associations: The HealthObs Approach. , 2007, , 137-145.		4
76	Mining Time Series with Mine Time. Lecture Notes in Computer Science, 2006, , 158-168.	1.0	0
77	Enhancing Web Based Services by Coupling Document Classification with User Profile. , 2005, , .		6
78	Mining XML Clinical Data: the HealthObs System. Ingenierie Des Systemes D'Information, 2005, 10, 59-79.	0.5	9
79	Gene Selection via Discretized Gene-Expression Profiles and Greedy Feature-Elimination. Lecture Notes in Computer Science, 2004, , 256-266.	1.0	23