Juan GarcÃ-a-Gomez

List of Publications by Year
in descending order

67	5,337	430874	106344
papers	citations	18	65
		h-index	g-index

80	80	80	9655
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A user-centered chatbot to identify and interconnect individual, social and environmental risk factors related to overweight and obesity. Informatics for Health and Social Care, 2022, 47, 38-52.	2.6	3
2	Subphenotyping of Mexican Patients With COVID-19 at Preadmission To Anticipate Severity Stratification: Age-Sex Unbiased Meta-Clustering Technique. JMIR Public Health and Surveillance, 2022, 8, e30032.	2.6	5
3	MGMT methylation may benefit overall survival in patients with moderately vascularized glioblastomas. European Radiology, 2021, 31, 1738-1747.	4.5	16
4	Potential limitations in COVID-19 machine learning due to data source variability: A case study in the nCov2019 dataset. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 360-364.	4.4	44
5	Design of 1-year mortality forecast at hospital admission: A machine learning approach. Health Informatics Journal, 2021, 27, 146045822098758.	2.1	3
6	Non-local spatially varying finite mixture models for image segmentation. Statistics and Computing, 2021, 31, 1.	1.5	1
7	A User-Centered Chatbot (Wakamola) to Collect Linked Data in Population Networks to Support Studies of Overweight and Obesity Causes: Design and Pilot Study. JMIR Medical Informatics, 2021, 9, e17503.	2.6	15
8	How the Wakamola chatbot studied a university community's lifestyle during the COVID-19 confinement. Health Informatics Journal, 2021, 27, 146045822110179.	2.1	6
9	Smart Pharmaceutical Manufacturing: Ensuring End-to-End Traceability and Data Integrity in Medicine Production. Big Data Research, 2021, 24, 100172.	4.2	36
10	Deep ensemble multitask classification of emergency medical call incidents combining multimodal data improves emergency medical dispatch. Artificial Intelligence in Medicine, 2021, 117, 102088.	6.5	11
11	Quality of Hospital Electronic Health Record (EHR) Data Based on the International Consortium for Health Outcomes Measurement (ICHOM) in Heart Failure: Pilot Data Quality Assessment Study. JMIR Medical Informatics, 2021, 9, e27842.	2.6	12
12	Predicting morbidity by local similarities in multi-scale patient trajectories. Journal of Biomedical Informatics, 2021, 120, 103837.	4.3	4
13	Responsive and Minimalist App Based on Explainable AI to Assess Palliative Care Needs during Bedside Consultations on Older Patients. Sustainability, 2021, 13, 9844.	3.2	2
14	Lack of Benefit of Extending Temozolomide Treatment in Patients with High Vascular Glioblastoma with Methylated MGMT. Cancers, 2021, 13, 5420.	3.7	6
15	Robust association between vascular habitats and patient prognosis in glioblastoma: An international multicenter study. Journal of Magnetic Resonance Imaging, 2020, 51, 1478-1486.	3.4	24
16	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi‐automatic Methodology Based on Machine Learning and Information Geometry. Pain Practice, 2020, 20, 297-309.	1.9	7
17	EHRtemporalVariability: delineating temporal data-set shifts in electronic health records. GigaScience, 2020, 9, .	6.4	22
18	ONCOhabitats Glioma Segmentation Model. Lecture Notes in Computer Science, 2020, , 295-303.	1.3	3

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19	Higher vascularity at infiltrated peripheral edema differentiates proneural glioblastoma subtype. PLoS ONE, 2020, 15, e0232500.	2.5	2
20	Guest editorial: Special issue in biomedical data quality assessment methods. Computer Methods and Programs in Biomedicine, 2019, 181, 104954.	4.7	5
21	Temporal variability analysis reveals biases in electronic health records due to hospital process reengineering interventions over seven years. PLoS ONE, 2019, 14, e0220369.	2.5	6
22	ONCOhabitats: A system for glioblastoma heterogeneity assessment through MRI. International Journal of Medical Informatics, 2019, 128, 53-61.	3.3	28
23	Smartphone Sensors for Monitoring Cancer-Related Quality of Life: App Design, EORTC QLQ-C30 Mapping and Feasibility Study in Healthy Subjects. International Journal of Environmental Research and Public Health, 2019, 16, 461.	2.6	10
24	Robustness and Findings of a Web-Based System for Depression Assessment in a University Work Context. International Journal of Environmental Research and Public Health, 2019, 16, 644.	2.6	3
25	A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workersâ€™ Preferences and Competencies. International Journal of Environmental Research and Public Health, 2019, 16, 4666.	2.6	10
26	A happiness degree predictor using the conceptual data structure for deep learning architectures. Computer Methods and Programs in Biomedicine, 2019, 168, 59-68.	4.7	11
27	Multi-parametric MR Imaging Biomarkers Associated to Clinical Outcomes in Gliomas: A Systematic Review. Current Medical Imaging, 2019, 15, 933-947.	0.8	4
28	A Research Roadmap: Connected Health as an Enabler of Cancer Patient Support. Journal of Medical Internet Research, 2019, 21, e14360.	4.3	18
29	Glioblastoma: Vascular Habitats Detected at Preoperative Dynamic Susceptibility-weighted Contrast-enhanced Perfusion MR Imaging Predict Survival. Radiology, 2018, 287, 944-954.	7.3	53
30	Feature Extraction and Similarity of Movement Detection during Sleep, Based on Higher Order Spectra and Entropy of the Actigraphy Signal: Results of the Hispanic Community Health Study/Study of Latinos. Sensors, 2018, 18, 4310.	3.8	9
31	Improving the estimation of prognosis for glioblastoma patients by MR based hemodynamic tissue signatures. NMR in Biomedicine, 2018, 31, e4006.	2.8	16
32	Kinematics of Big Biomedical Data to characterize temporal variability and seasonality of data repositories: Functional Data Analysis of data temporal evolution over non-parametric statistical manifolds. International Journal of Medical Informatics, 2018, 119, 109-124.	3.3	24
33	Stability metrics for multi-source biomedical data based on simplicial projections from probability distribution distances. Statistical Methods in Medical Research, 2017, 26, 312-336.	1.5	26
34	A Standardized and Data Quality Assessed Maternal-Child Care Integrated Data Repository for Research and Monitoring of Best Practices: A Pilot Project in Spain. Studies in Health Technology and Informatics, 2017, 235, 539-543.	0.3	4
35	Usability and acceptability assessment of an empathic virtual agent to prevent major depression. Expert Systems, 2016, 33, 297-312.	4.5	25
36	An Online Platform for the Automatic Reporting of Multi-parametric Tissue Signatures: A Case Study in Glioblastoma. Lecture Notes in Computer Science, 2016, , 43-51.	1.3	2

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37	Applying probabilistic temporal and multisite data quality control methods to a public health mortality registry in Spain: a systematic approach to quality control of repositories. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 1085-1095.	4.4	37
38	Construction of quality-assured infant feeding process of care data repositories: Construction of the perinatal repository (Part 2). Computers in Biology and Medicine, 2016, 71, 214-222.	7.0	7
39	A novel approach to improve the planning of adaptive and interactive sessions for the treatment of Major Depression. International Journal of Human Computer Studies, 2016, 87, 80-91.	5.6	14
40	Construction of quality-assured infant feeding process of care data repositories: definition and design (Part 1). Computers in Biology and Medicine, 2015, 67, 95-103.	7.0	6
41	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	2.5	88
42	Probabilistic change detection and visualization methods for the assessment of temporal stability in biomedical data quality. Data Mining and Knowledge Discovery, 2015, 29, 950-975.	3.7	19
43	Fusing actigraphy signals for outpatient monitoring. Information Fusion, 2015, 23, 69-80.	19.1	16
44	Definition of Loss Functions for Learning from Imbalanced Data to Minimize Evaluation Metrics. Methods in Molecular Biology, 2015, 1246, 19-37.	0.9	1
45	Analysis of mobile health applications for a broad spectrum of consumers: A user experience approach. Health Informatics Journal, 2014, 20, 74-84.	2.1	65
46	Randomized pilot study and qualitative evaluation of a clinical decision support system for brain tumour diagnosis based on SV 1H MRS: Evaluation as an additional information procedure for novice radiologists. Computers in Biology and Medicine, 2014, 45, 26-33.	7.0	10
47	A decision-theoretic planning approach for clinical practice guideline modelling. , 2014, , .		0
48	Mobile Clinical Decision Support Systems and Applications: A Literature and Commercial Review. Journal of Medical Systems, 2014, 38, 4.	3.6	107
49	Accurate classification of childhood brain tumours by in vivo 1H MRS â€" A multi-centre study. European Journal of Cancer, 2013, 49, 658-667.	2.8	70
50	Extracting MRS discriminant functional features of brain tumors. NMR in Biomedicine, 2013, 26, 578-592.	2.8	5
51	Sparse Manifold Clustering and Embedding to discriminate gene expression profiles of glioblastoma and meningioma tumors. Computers in Biology and Medicine, 2013, 43, 1863-1869.	7.0	7
52	An HL7-CDA wrapper for facilitating semantic interoperability to rule-based Clinical Decision Support Systems. Computer Methods and Programs in Biomedicine, 2013, 109, 239-249.	4.7	32
53	Process Mining for Individualized Behavior Modeling Using Wireless Tracking in Nursing Homes. Sensors, 2013, 13, 15434-15451.	3.8	73
54	Compatibility between 3TÂ1H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2011, 24, 35-42.	2.0	18

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55	A generic and extensible automatic classification framework applied to brain tumour diagnosis in HealthAgents. Knowledge Engineering Review, 2011, 26, 283-301.	2.6	8
56	Brain Tumor Classification Using Magnetic Resonance Spectroscopy. , 2011, , 5-19.		2
57	Prediction of Postpartum Depression Using Multilayer Perceptrons and Pruning. Methods of Information in Medicine, 2009, 48, 291-298.	1.2	36
58	Automated Brain Tumor Biopsy Prediction Using Single-labeling cDNA Microarrays-based Gene Expression Profiling. Diagnostic Molecular Pathology, 2009, 18, 206-218.	2.1	17
59	Multiprojectâ€"multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 5-18.	2.0	126
60	HealthAgents: distributed multi-agent brain tumor diagnosis andÂprognosis. Applied Intelligence, 2009, 30, 191-202.	5.3	78
61	Effect of feature extraction for brain tumor classification based on short echo time ^{1}H MR spectra. Magnetic Resonance in Medicine, 2008, 60, 288-298.	3.0	32
62	The effect of combining two echo times in automatic brain tumor classification by MRS. NMR in Biomedicine, 2008, 21, 1112-1125.	2.8	44
63	High-throughput functional annotation and data mining with the Blast2GO suite. Nucleic Acids Research, 2008, 36, 3420-3435.	14.5	3,905
64	Genomics and Metabolomics Research for Brain Tumour Diagnosis Based on Machine Learning. Lecture Notes in Computer Science, 2007, , 1012-1019.	1.3	3
65	Modelling of Magnetic Resonance Spectra Using Mixtures for Binned and Truncated Data. Lecture Notes in Computer Science, 2007, , 266-273.	1.3	1
66	Benign /malignant classifier of soft tissue tumors using MR imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 16, 194-201.	2.0	15
67	Medical Decision Support System for Diagnosis of Soft Tissue Tumors based on Distributed Architecture. , 2004, 2004, 3225-8.		5