

Juan García-Gómez

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

5,337
citations

430874

18
h-index

106344

65
g-index

80
all docs

80
docs citations

80
times ranked

9655
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput functional annotation and data mining with the Blast2GO suite. <i>Nucleic Acids Research</i> , 2008, 36, 3420-3435.	14.5	3,905
2	Multiprojectâ€“multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 5-18.	2.0	126
3	Mobile Clinical Decision Support Systems and Applications: A Literature and Commercial Review. <i>Journal of Medical Systems</i> , 2014, 38, 4.	3.6	107
4	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. <i>PLoS ONE</i> , 2015, 10, e0125143.	2.5	88
5	HealthAgents: distributed multi-agent brain tumor diagnosis andÂprognosis. <i>Applied Intelligence</i> , 2009, 30, 191-202.	5.3	78
6	Process Mining for Individualized Behavior Modeling Using Wireless Tracking in Nursing Homes. <i>Sensors</i> , 2013, 13, 15434-15451.	3.8	73
7	Accurate classification of childhood brain tumours by in vivo 1H MRS â€“ A multi-centre study. <i>European Journal of Cancer</i> , 2013, 49, 658-667.	2.8	70
8	Analysis of mobile health applications for a broad spectrum of consumers: A user experience approach. <i>Health Informatics Journal</i> , 2014, 20, 74-84.	2.1	65
9	Glioblastoma: Vascular Habitats Detected at Preoperative Dynamic Susceptibility-weighted Contrast-enhanced Perfusion MR Imaging Predict Survival. <i>Radiology</i> , 2018, 287, 944-954.	7.3	53
10	The effect of combining two echo times in automatic brain tumor classification by MRS. <i>NMR in Biomedicine</i> , 2008, 21, 1112-1125.	2.8	44
11	Potential limitations in COVID-19 machine learning due to data source variability: A case study in the nCov2019 dataset. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2021, 28, 360-364.	4.4	44
12	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. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016, 23, 1085-1095.	4.4	37
13	Prediction of Postpartum Depression Using Multilayer Perceptrons and Pruning. <i>Methods of Information in Medicine</i> , 2009, 48, 291-298.	1.2	36
14	Smart Pharmaceutical Manufacturing: Ensuring End-to-End Traceability and Data Integrity in Medicine Production. <i>Big Data Research</i> , 2021, 24, 100172.	4.2	36
15	Effect of feature extraction for brain tumor classification based on short echo time ¹ H MR spectra. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 288-298.	3.0	32
16	An HL7-CDA wrapper for facilitating semantic interoperability to rule-based Clinical Decision Support Systems. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 109, 239-249.	4.7	32
17	ONCOhabitats: A system for glioblastoma heterogeneity assessment through MRI. <i>International Journal of Medical Informatics</i> , 2019, 128, 53-61.	3.3	28
18	Stability metrics for multi-source biomedical data based on simplicial projections from probability distribution distances. <i>Statistical Methods in Medical Research</i> , 2017, 26, 312-336.	1.5	26

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19	Usability and acceptability assessment of an empathic virtual agent to prevent major depression. <i>Expert Systems</i> , 2016, 33, 297-312.	4.5	25
20	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. <i>International Journal of Medical Informatics</i> , 2018, 119, 109-124.	3.3	24
21	Robust association between vascular habitats and patient prognosis in glioblastoma: An international multicenter study. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1478-1486.	3.4	24
22	EHRtemporalVariability: delineating temporal data-set shifts in electronic health records. <i>GigaScience</i> , 2020, 9, .	6.4	22
23	Probabilistic change detection and visualization methods for the assessment of temporal stability in biomedical data quality. <i>Data Mining and Knowledge Discovery</i> , 2015, 29, 950-975.	3.7	19
24	Compatibility between 3T 1H SV-MRS data and automatic brain tumour diagnosis support systems based on databases of 1.5T 1H SV-MRS spectra. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 35-42.	2.0	18
25	A Research Roadmap: Connected Health as an Enabler of Cancer Patient Support. <i>Journal of Medical Internet Research</i> , 2019, 21, e14360.	4.3	18
26	Automated Brain Tumor Biopsy Prediction Using Single-labeling cDNA Microarrays-based Gene Expression Profiling. <i>Diagnostic Molecular Pathology</i> , 2009, 18, 206-218.	2.1	17
27	Fusing actigraphy signals for outpatient monitoring. <i>Information Fusion</i> , 2015, 23, 69-80.	19.1	16
28	Improving the estimation of prognosis for glioblastoma patients by MR based hemodynamic tissue signatures. <i>NMR in Biomedicine</i> , 2018, 31, e4006.	2.8	16
29	MGMT methylation may benefit overall survival in patients with moderately vascularized glioblastomas. <i>European Radiology</i> , 2021, 31, 1738-1747.	4.5	16
30	Benign /malignant classifier of soft tissue tumors using MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 16, 194-201.	2.0	15
31	A User-Centered Chatbot (Wakamola) to Collect Linked Data in Population Networks to Support Studies of Overweight and Obesity Causes: Design and Pilot Study. <i>JMIR Medical Informatics</i> , 2021, 9, e17503.	2.6	15
32	A novel approach to improve the planning of adaptive and interactive sessions for the treatment of Major Depression. <i>International Journal of Human Computer Studies</i> , 2016, 87, 80-91.	5.6	14
33	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. <i>JMIR Medical Informatics</i> , 2021, 9, e27842.	2.6	12
34	A happiness degree predictor using the conceptual data structure for deep learning architectures. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 168, 59-68.	4.7	11
35	Deep ensemble multitask classification of emergency medical call incidents combining multimodal data improves emergency medical dispatch. <i>Artificial Intelligence in Medicine</i> , 2021, 117, 102088.	6.5	11
36	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. <i>Computers in Biology and Medicine</i> , 2014, 45, 26-33.	7.0	10

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37	Smartphone Sensors for Monitoring Cancer-Related Quality of Life: App Design, EORTC QLQ-C30 Mapping and Feasibility Study in Healthy Subjects. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 461.	2.6	10
38	A Game-Theory Method to Design Job Rotation Schedules to Prevent Musculoskeletal Disorders Based on Workers' Preferences and Competencies. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4666.	2.6	10
39	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. <i>Sensors</i> , 2018, 18, 4310.	3.8	9
40	A generic and extensible automatic classification framework applied to brain tumour diagnosis in HealthAgents. <i>Knowledge Engineering Review</i> , 2011, 26, 283-301.	2.6	8
41	Sparse Manifold Clustering and Embedding to discriminate gene expression profiles of glioblastoma and meningioma tumors. <i>Computers in Biology and Medicine</i> , 2013, 43, 1863-1869.	7.0	7
42	Construction of quality-assured infant feeding process of care data repositories: Construction of the perinatal repository (Part 2). <i>Computers in Biology and Medicine</i> , 2016, 71, 214-222.	7.0	7
43	Subgrouping Factors Influencing Migraine Intensity in Women: A Semi-automatic Methodology Based on Machine Learning and Information Geometry. <i>Pain Practice</i> , 2020, 20, 297-309.	1.9	7
44	Construction of quality-assured infant feeding process of care data repositories: definition and design (Part 1). <i>Computers in Biology and Medicine</i> , 2015, 67, 95-103.	7.0	6
45	Temporal variability analysis reveals biases in electronic health records due to hospital process reengineering interventions over seven years. <i>PLoS ONE</i> , 2019, 14, e0220369.	2.5	6
46	How the Wakamola chatbot studied a university community's lifestyle during the COVID-19 confinement. <i>Health Informatics Journal</i> , 2021, 27, 146045822110179.	2.1	6
47	Lack of Benefit of Extending Temozolomide Treatment in Patients with High Vascular Glioblastoma with Methylated MGMT. <i>Cancers</i> , 2021, 13, 5420.	3.7	6
48	Medical Decision Support System for Diagnosis of Soft Tissue Tumors based on Distributed Architecture. , 2004, 2004, 3225-8.		5
49	Extracting MRS discriminant functional features of brain tumors. <i>NMR in Biomedicine</i> , 2013, 26, 578-592.	2.8	5
50	Guest editorial: Special issue in biomedical data quality assessment methods. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 181, 104954.	4.7	5
51	Subphenotyping of Mexican Patients With COVID-19 at Preadmission To Anticipate Severity Stratification: Age-Sex Unbiased Meta-Clustering Technique. <i>JMIR Public Health and Surveillance</i> , 2022, 8, e30032.	2.6	5
52	Predicting morbidity by local similarities in multi-scale patient trajectories. <i>Journal of Biomedical Informatics</i> , 2021, 120, 103837.	4.3	4
53	Multi-parametric MR Imaging Biomarkers Associated to Clinical Outcomes in Gliomas: A Systematic Review. <i>Current Medical Imaging</i> , 2019, 15, 933-947.	0.8	4
54	A Standardized and Data Quality Assessed Maternal-Child Care Integrated Data Repository for Research and Monitoring of Best Practices: A Pilot Project in Spain. <i>Studies in Health Technology and Informatics</i> , 2017, 235, 539-543.	0.3	4

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55	Robustness and Findings of a Web-Based System for Depression Assessment in a University Work Context. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 644.	2.6	3
56	Design of 1-year mortality forecast at hospital admission: A machine learning approach. <i>Health Informatics Journal</i> , 2021, 27, 146045822098758.	2.1	3
57	A user-centered chatbot to identify and interconnect individual, social and environmental risk factors related to overweight and obesity. <i>Informatics for Health and Social Care</i> , 2022, 47, 38-52.	2.6	3
58	ONCOhabitats Glioma Segmentation Model. <i>Lecture Notes in Computer Science</i> , 2020, , 295-303.	1.3	3
59	Genomics and Metabolomics Research for Brain Tumour Diagnosis Based on Machine Learning. <i>Lecture Notes in Computer Science</i> , 2007, , 1012-1019.	1.3	3
60	An Online Platform for the Automatic Reporting of Multi-parametric Tissue Signatures: A Case Study in Glioblastoma. <i>Lecture Notes in Computer Science</i> , 2016, , 43-51.	1.3	2
61	Responsive and Minimalist App Based on Explainable AI to Assess Palliative Care Needs during Bedside Consultations on Older Patients. <i>Sustainability</i> , 2021, 13, 9844.	3.2	2
62	Brain Tumor Classification Using Magnetic Resonance Spectroscopy. , 2011, , 5-19.		2
63	Higher vascularity at infiltrated peripheral edema differentiates proneural glioblastoma subtype. <i>PLoS ONE</i> , 2020, 15, e0232500.	2.5	2
64	Non-local spatially varying finite mixture models for image segmentation. <i>Statistics and Computing</i> , 2021, 31, 1.	1.5	1
65	Modelling of Magnetic Resonance Spectra Using Mixtures for Binned and Truncated Data. <i>Lecture Notes in Computer Science</i> , 2007, , 266-273.	1.3	1
66	Definition of Loss Functions for Learning from Imbalanced Data to Minimize Evaluation Metrics. <i>Methods in Molecular Biology</i> , 2015, 1246, 19-37.	0.9	1
67	A decision-theoretic planning approach for clinical practice guideline modelling. , 2014, , .		0