

Montserrat Robles

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

18,785
citations

201674

27
h-index

243625

44
g-index

47
all docs

47
docs citations

47
times ranked

27528
citing authors

#	ARTICLE	IF	CITATIONS
1	Blast2GO: a universal tool for annotation, visualization and analysis in functional genomics research. <i>Bioinformatics</i> , 2005, 21, 3674-3676.	4.1	10,566
2	High-throughput functional annotation and data mining with the Blast2GO suite. <i>Nucleic Acids Research</i> , 2008, 36, 3420-3435.	14.5	3,905
3	Adaptive non-local means denoising of MR images with spatially varying noise levels. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 192-203.	3.4	823
4	Patch-based segmentation using expert priors: Application to hippocampus and ventricle segmentation. <i>NeuroImage</i> , 2011, 54, 940-954.	4.2	692
5	MRI denoising using Non-Local Means. <i>Medical Image Analysis</i> , 2008, 12, 514-523.	11.6	467
6	Diffusion Weighted Image Denoising Using Overcomplete Local PCA. <i>PLoS ONE</i> , 2013, 8, e73021.	2.5	299
7	New methods for MRI denoising based on sparseness and self-similarity. <i>Medical Image Analysis</i> , 2012, 16, 18-27.	11.6	224
8	Non-local MRI upsampling. <i>Medical Image Analysis</i> , 2010, 14, 784-792.	11.6	218
9	Robust Rician noise estimation for MR images. <i>Medical Image Analysis</i> , 2010, 14, 483-493.	11.6	200
10	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
11	Schizophrenia with auditory hallucinations: A voxel-based morphometry study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 72-80.	4.8	100
12	Interoperability of clinical decision-support systems and electronic health records using archetypes: A case study in clinical trial eligibility. <i>Journal of Biomedical Informatics</i> , 2013, 46, 676-689.	4.3	97
13	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. <i>PLoS ONE</i> , 2015, 10, e0125143.	2.5	88
14	MRI Superresolution Using Self-Similarity and Image Priors. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-11.	3.9	79
15	HealthAgents: distributed multi-agent brain tumor diagnosis andÂˆprognosis. <i>Applied Intelligence</i> , 2009, 30, 191-202.	5.3	78
16	Increased amygdala and parahippocampal gyrus activation in schizophrenic patients with auditory hallucinations: An fMRI study using independent component analysis. <i>Schizophrenia Research</i> , 2010, 117, 31-41.	2.0	75
17	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
18	LinkEHR-Ed: A multi-reference model archetype editor based on formal semantics. <i>International Journal of Medical Informatics</i> , 2009, 78, 559-570.	3.3	63

#	ARTICLE	IF	CITATIONS
19	Emotional words induce enhanced brain activity in schizophrenic patients with auditory hallucinations. <i>Psychiatry Research - Neuroimaging</i> , 2007, 154, 21-29.	1.8	60
20	Chronic Auditory Hallucinations in Schizophrenic Patients: MR Analysis of the Coincidence between Functional and Morphologic Abnormalities. <i>Radiology</i> , 2007, 244, 549-556.	7.3	57
21	Multicomponent MR Image Denoising. <i>International Journal of Biomedical Imaging</i> , 2009, 2009, 1-10.	3.9	50
22	Nonlocal Intracranial Cavity Extraction. <i>International Journal of Biomedical Imaging</i> , 2014, 2014, 1-11.	3.9	49
23	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
24	Leveraging electronic healthcare record standards and semantic web technologies for the identification of patient cohorts. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2013, 20, e288-e296.	4.4	43
25	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
26	Effect of feature extraction for brain tumor classification based on short echo time $1H$ MR spectra. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 288-298.	3.0	32
27	Using the ResearchEHR platform to facilitate the practical application of the EHR standards. <i>Journal of Biomedical Informatics</i> , 2012, 45, 746-762.	4.3	32
28	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
29	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
30	NABS: non-local automatic brain hemisphere segmentation. <i>Magnetic Resonance Imaging</i> , 2015, 33, 474-484.	1.8	25
31	MR and genetics in schizophrenia: Focus on auditory hallucinations. <i>European Journal of Radiology</i> , 2008, 67, 434-439.	2.6	18
32	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
33	Incremental Gaussian Discriminant Analysis based on Graybill and Deal weighted combination of estimators for brain tumour diagnosis. <i>Journal of Biomedical Informatics</i> , 2011, 44, 677-687.	4.3	14
34	Archetype modeling methodology. <i>Journal of Biomedical Informatics</i> , 2018, 79, 71-81.	4.3	14
35	Non-invasive lightweight integration engine for building EHR from autonomous distributed systems. <i>International Journal of Medical Informatics</i> , 2007, 76, S417-S424.	3.3	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	An Archetype-Based Solution for the Interoperability of Computerised Guidelines and Electronic Health Records. Lecture Notes in Computer Science, 2011, , 276-285.	1.3	9
38	A generic and extensible automatic classification framework applied to brain tumour diagnosis in HealthAgents. Knowledge Engineering Review, 2011, 26, 283-301.	2.6	8
39	Automatic generation of computable implementation guides from clinical information models. Journal of Biomedical Informatics, 2015, 55, 143-152.	4.3	6
40	Extracting MRS discriminant functional features of brain tumors. NMR in Biomedicine, 2013, 26, 578-592.	2.8	5
41	Semantic upgrade and normalization of existing EHR extracts. , 2008, 2008, 1466-9.		4
42	Genomics and Metabolomics Research for Brain Tumour Diagnosis Based on Machine Learning. Lecture Notes in Computer Science, 2007, , 1012-1019.	1.3	3
43	On the Implementation of HealthAgents: Agent-Based Brain Tumour Diagnosis. , 2007, , 5-24.		3
44	Ranking of Brain Tumour Classifiers Using a Bayesian Approach. Lecture Notes in Computer Science, 2009, , 1005-1012.	1.3	2
45	A platform for exploration into chaining of web services for clinical data transformation and reasoning. AMIA ... Annual Symposium proceedings, 2016, 2016, 854-863.	0.2	2
46	LinkEHR. Advances in Healthcare Information Systems and Administration Book Series, 2013, , 45-58.	0.2	1
47	An audit method suited for decision support systems for clinical environment. , 2012, , .		0