

Elies Fuster-Garcia

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

626
citations

759233

12
h-index

610901

24
g-index

50
all docs

50
docs citations

50
times ranked

887
citing authors

#	ARTICLE	IF	CITATIONS
1	Decreased tissue stiffness in glioblastoma by MR elastography is associated with increased cerebral blood flow. <i>European Journal of Radiology</i> , 2022, 147, 110136.	2.6	16
2	Local detection of microvessels in IDH-wildtype glioblastoma using relative cerebral blood volume: an imaging marker useful for astrocytoma grade 4 classification. <i>BMC Cancer</i> , 2022, 22, 40.	2.6	7
3	Quantification of Tissue Compression Identifies High-Grade Glioma Patients with Reduced Survival. <i>Cancers</i> , 2022, 14, 1725.	3.7	4
4	MGMT methylation may benefit overall survival in patients with moderately vascularized glioblastomas. <i>European Radiology</i> , 2021, 31, 1738-1747.	4.5	16
5	Differential effect of vascularity between long- and short-term survivors with IDH1/2 wild-type glioblastoma. <i>NMR in Biomedicine</i> , 2021, 34, e4462.	2.8	5
6	Non-local spatially varying finite mixture models for image segmentation. <i>Statistics and Computing</i> , 2021, 31, 1.	1.5	1
7	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
8	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
9	The impact of EPI-based distortion correction of dynamic susceptibility contrast MRI on cerebral blood volume estimation in patients with glioblastoma. <i>European Journal of Radiology</i> , 2020, 132, 109278.	2.6	1
10	ONCOhabitats Glioma Segmentation Model. <i>Lecture Notes in Computer Science</i> , 2020, , 295-303.	1.3	3
11	Higher vascularity at infiltrated peripheral edema differentiates proneural glioblastoma subtype. <i>PLoS ONE</i> , 2020, 15, e0232500.	2.5	2
12	ONCOhabitats: A system for glioblastoma heterogeneity assessment through MRI. <i>International Journal of Medical Informatics</i> , 2019, 128, 53-61.	3.3	28
13	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
14	Abstract 4258: Preliminary results of the Oncohabitats Study: A multicentre validation of overall survival (OS) estimation of patients with glioblastoma (GBM) using vascular biomarkers. , 2019, , .		0
15	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
16	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
17	Use Case II: Imaging Biomarkers and New Trends for Integrated Glioblastoma Management. , 2017, , 181-194.		1
18	Promoting the Use of Numerical Computing Tools among Students of Agricultural Engineering. <i>International Journal of Information and Education Technology</i> , 2017, 7, 60-65.	1.2	0

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	GBM Modeling with Proliferation and Migration Phenotypes: A Proposal of Initialization for Real Cases. Lecture Notes in Computer Science, 2016, , 65-74.	1.3	0
22	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	2.5	88
23	Discussion of "Evapotranspiration Modeling Using Second-Order Neural Networks" by Sirisha Adamala, N. S. Raghuvanshi, Ashok Mishra, and Mukesh K. Tiwari. Journal of Hydrologic Engineering - ASCE, 2015, 20, 07015014.	1.9	0
24	Fusing actigraphy signals for outpatient monitoring. Information Fusion, 2015, 23, 69-80.	19.1	16
25	Actigraphy Pattern Analysis for Outpatient Monitoring. Methods in Molecular Biology, 2015, 1246, 3-17.	0.9	7
26	Accurate classification of childhood brain tumours by in vivo 1H MRS " A multi-centre study. European Journal of Cancer, 2013, 49, 658-667.	2.8	70
27	Extracting MRS discriminant functional features of brain tumors. NMR in Biomedicine, 2013, 26, 578-592.	2.8	5
28	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
29	Application of Artificial Neural Network for Reducing Random Coincidences in PET. IEEE Transactions on Nuclear Science, 2013, 60, 3399-3409.	2.0	8
30	An audit method suited for decision support systems for clinical environment. , 2012, , .		0
31	Classification of single-voxel ¹ H spectra of brain tumours using LCModel. NMR in Biomedicine, 2012, 25, 322-331.	2.8	15
32	Incremental Gaussian Discriminant Analysis based on Graybill and Deal weighted combination of estimators for brain tumour diagnosis. Journal of Biomedical Informatics, 2011, 44, 677-687.	4.3	14
33	Compatibility between 3T 1H 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
34	Discussion of "Estimating Evapotranspiration Using Artificial Neural Network and Minimum Climatological Data" by S. S. Zanetti, E. F. Sousa, V. P. S. Oliveira, F. T. Almeida, and S. Bernardo. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 440-444.	1.0	1
35	Reduction of random coincidences in small animal PET using Artificial Neural Networks. , 2010, , .		1
36	Multiproject "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

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37	Coincidence identification in PET using neural networks. , 2008, , .		2
38	Mathematical Techniques for the Design of Band Gap Materials. , 2007, , 1939.		0
39	Targeted band gap creation using mixed sonic crystal arrays including resonators and rigid scatterers. Applied Physics Letters, 2007, 90, 244104.	3.3	18
40	Interferometric method of determining the refraction index of two-dimensional sonic crystals. Physical Review B, 2007, 75, .	3.2	3
41	Acoustic Barriers Based on Sonic Crystals. , 2007, , .		0
42	Genetic Algorithm in the Optimization of the Acoustic Attenuation Systems. , 2007, , 614-621.		0
43	A phenomenological model for sonic crystals based on artificial neural networks. Journal of the Acoustical Society of America, 2006, 120, 636-641.	1.1	3
44	Band gap creation using quasiordered structures based on sonic crystals. Applied Physics Letters, 2006, 88, 174104.	3.3	19
45	Aprendizaje activo mediante juego de roles en Ingeniería Biomédica: negociando la adquisición de un sistema de información hospitalaria. , 0, , .		0