Elies Fuster-Garcia

List of Publications by Year
in descending order

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		759233	610901
45	626	12	24
papers	citations	h-index	g-index

50	50	50	887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Automated Glioblastoma Segmentation Based on a Multiparametric Structured Unsupervised Classification. PLoS ONE, 2015, 10, e0125143.	2.5	88
3	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
4	Glioblastoma: Vascular Habitats Detected at Preoperative Dynamic Susceptibility-weighted Contrast-enhanced Perfusion MR Imaging Predict Survival. Radiology, 2018, 287, 944-954.	7.3	53
5	ONCOhabitats: A system for glioblastoma heterogeneity assessment through MRI. International Journal of Medical Informatics, 2019, 128, 53-61.	3.3	28
6	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
7	Band gap creation using quasiordered structures based on sonic crystals. Applied Physics Letters, 2006, 88, 174104.	3.3	19
8	Targeted band gap creation using mixed sonic crystal arrays including resonators and rigid scatterers. Applied Physics Letters, 2007, 90, 244104.	3.3	18
9	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
10	Fusing actigraphy signals for outpatient monitoring. Information Fusion, 2015, 23, 69-80.	19.1	16
11	Improving the estimation of prognosis for glioblastoma patients by MR based hemodynamic tissue signatures. NMR in Biomedicine, 2018, 31, e4006.	2.8	16
12	MGMT methylation may benefit overall survival in patients with moderately vascularized glioblastomas. European Radiology, 2021, 31, 1738-1747.	4.5	16
13	Decreased tissue stiffness in glioblastoma by MR elastography is associated with increased cerebral blood flow. European Journal of Radiology, 2022, 147, 110136.	2.6	16
14	Classification of singleâ€voxel ¹H spectra of brain tumours using LCModel. NMR in Biomedicine, 2012, 25, 322-331.	2.8	15
15	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
16	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
17	Application of Artificial Neural Network for Reducing Random Coincidences in PET. IEEE Transactions on Nuclear Science, 2013, 60, 3399-3409.	2.0	8
18	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

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19	Actigraphy Pattern Analysis for Outpatient Monitoring. Methods in Molecular Biology, 2015, 1246, 3-17.	0.9	7
20	Local detection of microvessels in IDH-wildtype glioblastoma using relative cerebral blood volume: an imaging marker useful for astrocytoma grade 4 classification. BMC Cancer, 2022, 22, 40.	2.6	7
21	Lack of Benefit of Extending Temozolomide Treatment in Patients with High Vascular Glioblastoma with Methylated MGMT. Cancers, 2021, 13, 5420.	3.7	6
22	Extracting MRS discriminant functional features of brain tumors. NMR in Biomedicine, 2013, 26, 578-592.	2.8	5
23	Differential effect of vascularity between longâ€•and shortâ€term survivors with IDH1/2 wildâ€type glioblastoma. NMR in Biomedicine, 2021, 34, e4462.	2.8	5
24	Multi-parametric MR Imaging Biomarkers Associated to Clinical Outcomes in Gliomas: A Systematic Review. Current Medical Imaging, 2019, 15, 933-947.	0.8	4
25	Quantification of Tissue Compression Identifies High-Grade Glioma Patients with Reduced Survival. Cancers, 2022, 14, 1725.	3.7	4
26	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
27	Interferometric method of determining the refraction index of two-dimensional sonic crystals. Physical Review B, 2007, 75, .	3.2	3
28	ONCOhabitats Glioma Segmentation Model. Lecture Notes in Computer Science, 2020, , 295-303.	1.3	3
29	Coincidence identification in PET using neural networks. , 2008, , .		2
30	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
31	Higher vascularity at infiltrated peripheral edema differentiates proneural glioblastoma subtype. PLoS ONE, 2020, 15, e0232500.	2.5	2
32	Discussion of â€œEstimating Evapotranspiration Using Artificial Neural Network and Minimum Climatological Dataâ€•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
33	Reduction of random coincidences in small animal PET using Artificial Neural Networks. , 2010, , .		1
34	The impact of EPI-based distortion correction of dynamic susceptibility contrast MRI on cerebral blood volume estimation in patients with glioblastoma. European Journal of Radiology, 2020, 132, 109278.	2.6	1
35	Non-local spatially varying finite mixture models for image segmentation. Statistics and Computing, 2021, 31, 1.	1.5	1
36	Use Case II: Imaging Biomarkers and New Trends for Integrated Glioblastoma Management. , 2017, , 181-194.		1

#	Article	IF	Citations
37	Mathematical Techniques for the Design of Band Gap Materials. , 2007, , 1939.		0
38	An audit method suited for decision support systems for clinical environment. , 2012, , .		0
39	Discussion of â€œEvapotranspiration Modeling Using Second-Order Neural Networksâ€•by Sirisha Adamala, N. S. Raghuwanshi, Ashok Mishra, and Mukesh K. Tiwari. Journal of Hydrologic Engineering - ASCE, 2015, 20, 07015014.	1.9	0
40	Acoustic Barriers Based on Sonic Crystals. , 2007, , .		0
41	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
42	Promoting the Use of Numerical Computing Tools among Students of Agricultural Engineering. International Journal of Information and Education Technology, 2017, 7, 60-65.	1.2	0
43	Abstract 4258: Preliminarily results of the Oncohabitats Study: A multicentre validation of overall survival (OS) estimation of patients with glioblastoma (GBM) using vascular biomarkers. , 2019, , .		0
44	Aprendizaje activo mediante juego de roles en IngenierÃa BiomÃ©dica: negociando la adquisiciÃ³n de un sistema de informaciÃ³n hospitalaria. , 0, , .		0
45	Genetic Algorithm in the Optimization of the Acoustic Attenuation Systems. , 2007, , 614-621.		0