Estanislao Arana

List of Publications by Year
in descending order

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104 papers	1,984 citations	201674 27 h-index	289244 40 g-index
119 all docs	119 docs citations	119 times ranked	2675 citing authors

#	Article	IF	Citations
1	Administration of iodinated contrast: What is the risk in cancer patients?. European Journal of Cancer Care, 2021, 30, e13351.	1.5	1
2	Usefulness of ultrasound in dermatofibrosarcoma protuberans and correlation with histopathological findings: A series of 30 cases. Skin Research and Technology, 2021, 27, 701-708.	1.6	9
3	Brain Metastasis Response to Stereotactic Radio Surgery: A Mathematical Approach. Mathematics, 2021, 9, 716.	2.2	5
4	Methodological concerns of â€œIntra-osseous basivertebral nerve radiofrequency ablation (BVA) for the treatment of vertebrogenic chronic low back painâ€• Neuroradiology, 2021, 63, 1747-1748.	2.2	1
5	Ki-67 immunoexpression and radiological assessment of necrosis improves accuracy of conventional and modified core biopsy systems in predicting the final grade assigned to adult-soft tissue sarcomas. An international collaborative study. Pathology Research and Practice, 2021, 225, 153562.	2.3	4
6	Universal scaling laws rule explosive growth in human cancers. Nature Physics, 2020, 16, 1232-1237.	16.7	50
7	Letter regarding â€œConsensus recommendations for a standardized brain tumor imaging protocol for clinical trials in brain metastasesâ€• Neuro-Oncology, 2020, 22, 1705-1705.	1.2	0
8	Ethnic and socioeconomic biases may lead to unexpected positive consequences for patients. Spine Journal, 2020, 20, 1517.	1.3	0
9	Metastatic Versus Osteoporotic Vertebral Fractures on MRI: A Blinded, Multicenter, and Multispecialty Observer Agreement Evaluation. Journal of the National Comprehensive Cancer Network: JNCCN, 2020, 18, 267-273.	4.9	6
10	Prognostic models based on imaging findings in glioblastoma: Human versus Machine. Scientific Reports, 2019, 9, 5982.	3.3	16
11	Morphologic Features on MR Imaging Classify Multifocal Glioblastomas in Different Prognostic Groups. American Journal of Neuroradiology, 2019, 40, 634-640.	2.4	10
12	Morphological MRI-based features provide pretreatment survival prediction in glioblastoma. European Radiology, 2019, 29, 1968-1977.	4.5	19
13	Re: Are Modic changes associated with intervertebral disc cytokine profiles?. Spine Journal, 2018, 18, 377.	1.3	0
14	2D and 3D texture analysis to differentiate brain metastases on MR images: proceed with caution. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 285-294.	2.0	22
15	Classifying brain metastases by their primary site of origin using a radiomics approach based on texture analysis: a feasibility study. European Radiology, 2018, 28, 4514-4523.	4.5	106
16	Tumor Surface Regularity at MR Imaging Predicts Survival and Response to Surgery in Patients with Glioblastoma. Radiology, 2018, 288, 218-225.	7.3	78
17	Glioblastoma: does the pre-treatment geometry matter? A postcontrast T1 MRI-based study. European Radiology, 2017, 27, 1096-1104.	4.5	38
18	Opportunistic screening for osteoporosis by routine CT in Southern Europe. Osteoporosis International, 2017, 28, 983-990.	3.1	94

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19	Comment on â€œComputer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Studyâ€. American Journal of Neuroradiology, 2017, 38, E21-E21.	2.4	1
20	Lung Metastases from Esophageal Granular Cell Tumor: An Undoubted Criterion for Malignancy. Journal of Thoracic Oncology, 2017, 12, 1320-1322.	1.1	5
21	Identifying the primary site of origin of MRI brain metastases from lung and breast cancer following a 2D radiomics approach. , 2017, , .		3
22	A radiomics evaluation of 2D and 3D MRI texture features to classify brain metastases from lung cancer and melanoma. , 2017, 2017, 493-496.		30
23	The use of subject-specific Finite Element analysis of L1-L4 vertebra to screening osteoporosis in postmenopausal women. , 2017, 2017, 1832-1835.		0
24	Lack of robustness of textural measures obtained from 3D brain tumor MRIs impose a need for standardization. PLoS ONE, 2017, 12, e0178843.	2.5	47
25	Brain metastases detection on MR by means of threeâ€dimensional tumorâ€appearance template matching. Journal of Magnetic Resonance Imaging, 2016, 44, 642-652.	3.4	30
26	Algorithm programming for 3D fractal dimension evaluation. , 2016, , .		0
27	Differentiation of benign and malignant lung lesions: Dual-Energy Computed Tomography findings. European Journal of Radiology, 2016, 85, 1765-1772.	2.6	35
28	Influence of gray level and space discretization on brain tumor heterogeneity measures obtained from magnetic resonance images. Computers in Biology and Medicine, 2016, 78, 49-57.	7.0	53
29	Tumour heterogeneity in glioblastoma assessed by MRI texture analysis: a potential marker of survival. British Journal of Radiology, 2016, 89, 20160242.	2.2	47
30	Re: â€œPrediction of skeletal-related events in patients with non-small cell lung cancerâ€â€”use of Spine Instability Neoplastic Score (SINS). Supportive Care in Cancer, 2016, 24, 3273-3274.	2.2	0
31	Spine Instability Neoplastic Score: agreement across different medical and surgical specialties. Spine Journal, 2016, 16, 591-599.	1.3	54
32	PatologÃa degenerativa en la columna lumbar. Radiologia, 2016, 58, 26-34.	0.5	5
33	Applied mathematics and nonlinear sciences in the war on cancer. Applied Mathematics and Nonlinear Sciences, 2016, 1, 423-436.	1.6	30
34	A fully automated level-set based segmentation method of thoracic and lumbar vertebral bodies in Computed Tomography images. , 2015, 2015, 3049-52.		11
35	Automatic detection of local arterial input functions through Independent Component Analysis on Dynamic Contrast enhanced Magnetic Resonance Imaging. , 2015, 2015, 4294-7.		1
36	Support vector machine classification of brain metastasis and radiation necrosis based on texture analysis in MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 1362-1368.	3.4	83

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37	Automatic segmentation of the spine by means of a probabilistic atlas with a special focus on ribs suppression. Preliminary results. , 2015, 2015, 2014-7.		4
38	Functional diffusion map: A biomarker of brain metastases response to treatment based on magnetic resonance image analysis. , 2015, 2015, 4282-5.		5
39	Tratamiento no quirÃºrgico del schwannoma vestibular. Acta OtorrinolaringolÃ³gica EspaÃ±ola, 2015, 66, 185-191.	0.4	6
40	Malignant granular cell tumor of the cervical esophagus with loco-regional lymph node metastases. Esophagus, 2015, 12, 377-382.	1.9	2
41	Agreement in the assessment of metastatic spine disease using scoring systems. Radiotherapy and Oncology, 2015, 115, 135-140.	0.6	13
42	Semiautomatic computer-aided classification of degenerative lumbar spine disease in magnetic resonance imaging. Computers in Biology and Medicine, 2015, 62, 196-205.	7.0	33
43	A Diffusely Hardened Thyroid Gland and Multiple Neck Lymphadenopathies. JAMA Otolaryngology - Head and Neck Surgery, 2015, 141, 181.	2.2	0
44	Micro-computed tomography image-based evaluation of 3D anisotropy degree of polymer scaffolds. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 446-455.	1.6	9
45	Computer-aided detection of brain metastases using a three-dimensional template-based matching algorithm. , 2014, 2014, 2384-7.		9
46	A fully automated method for spinal canal detection in computed tomography images. , 2014, 2014, 5514-7.		3
47	Fully automatic spinal canal segmentation for radiation therapy using a Gradient Vector Flow-based method on computed tomography images: A preliminary study. , 2014, 2014, 5518-21.		2
48	Disc degeneration and chronic low back pain: an association which becomes nonsignificant when endplate changes and disc contour are taken into account. Neuroradiology, 2014, 56, 25-33.	2.2	22
49	Transparency Interrupted. JAMA Internal Medicine, 2013, 173, 2009.	5.1	9
50	Appropriateness of lumbar spine magnetic resonance imaging in Spain. European Journal of Radiology, 2013, 82, 1008-1014.	2.6	27
51	Reply:. American Journal of Neuroradiology, 2013, 34, E9-E9.	2.4	0
52	TO THE EDITOR. Spine, 2013, 38, 93.	2.0	0
53	Letters. Spine, 2013, 38, 1901.	2.0	1
54	Vertebral Endplate Changes Are Not Associated with Chronic Low Back Pain among Southern European Subjects: A Case Control Study. American Journal of Neuroradiology, 2012, 33, 1519-1524.	2.4	30

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55	Uncertainties in the Measurement of Lumbar Spinal Stenosis at MR Imaging: Are They Clinically Relevant?. Radiology, 2012, 263, 310-311.	7.3	3
56	Costâ€“effectiveness of iodinated contrast media for CT scanning in Spain: a decision-based analysis. Imaging in Medicine, 2012, 4, 193-199.	0.0	4
57	Overenthusiastic Interpretations of a Nonetheless Promising Study. Transplantation, 2012, 93, e6-e7.	1.0	7
58	Letters. Spine, 2012, 37, 1014-1015.	2.0	4
59	Letters. Spine, 2012, 37, 1184-1185.	2.0	1
60	Agreement between semi-automatic radiographic morphometry and Genant semi-quantitative method in the assessment of vertebral fractures. Osteoporosis International, 2012, 23, 2129-2134.	3.1	14
61	A semiautomatic segmentation method, solid tissue classification and 3D reconstruction of mandible from computed tomography imaging for biomechanical analysis. , 2012, , .		3
62	EvaluaciÃ³n econÃ³mica de intervenciones en enfermedades oncolÃ³gicas en EspaÃ±a: revisiÃ³n sistemÃ¡tica y anÃ¡lisis comparativo. Farmacia Hospitalaria, 2012, 36, 141-147.	0.6	4
63	Phraseology of disk herniation: An unproductive debate. Clinical Radiology, 2011, 66, 896.	1.1	0
64	Modic changes and associated features in Southern European chronic low back pain patients. Spine Journal, 2011, 11, 402-411.	1.3	46
65	Influence of Nomenclature in the Interpretation of Lumbar Disk Contour on MR Imaging: A Comparison of the Agreement Using the Combined Task Force and the Nordic Nomenclatures. American Journal of Neuroradiology, 2011, 32, 1143-1148.	2.4	21
66	Lumbar Spine: Agreement in the Interpretation of 1.5-T MR Images by Using the Nordic Modic Consensus Group Classification Form. Radiology, 2010, 254, 809-817.	7.3	66
67	Estimating intracranial fluid dynamics using quantitative analyses of phase contrast magnetic resonance images. Radiologia, 2010, 52, 51-57.	0.5	1
68	Dementia spectroscopy and diagnostic yield. British Journal of Radiology, 2009, 82, 172-172.	2.2	0
69	Agreement in the interpretation of magnetic resonance images of the lumbar spine. Acta Radiologica, 2009, 50, 497-506.	1.1	35
70	Corpus callosum function in verbal dichotic listening: Inferences from a longitudinal follow-up of Relapsing-Remitting Multiple Sclerosis patients. Brain and Language, 2009, 110, 101-105.	1.6	22
71	Cost reduction in abdominal CT by weight-adjusted dose. European Journal of Radiology, 2009, 70, 507-511.	2.6	20
72	Cartas al Director. Radiologia, 2007, 49, 455.	0.5	1

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73	MalformaciÃ³n cavernomatosa de la vena porta. Anales De PediatrÃa, 2007, 67, 611-613.	0.2	0
74	Relationship between Northwick Park neck pain questionnaire and cervical spine MR imaging findings. European Spine Journal, 2006, 15, 1183-1188.	2.2	10
75	Semiautomatic Analysis of Phase Contrast Magnetic Resonance Imaging of Cerebrospinal Fluid Flow through the Aqueduct of Sylvius. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 78-87.	2.0	28
76	Relationship between low back pain, disability, MR imaging findings and health care provider. Skeletal Radiology, 2006, 35, 641-647.	2.0	13
77	Low-high and high-low biphasic injection forms in computed tomography examinations of the upper abdomen. Acta Radiologica, 2006, 47, 10-14.	1.1	2
78	Magnetic resonance myelography evaluation of the lumbar spine end plates and intervertebral disks. Acta Radiologica, 2005, 46, 83-88.	1.1	6
79	MR-myelography as an adjunct to the MR examination of the degenerative spine. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 16, 203-210.	2.0	5
80	Dural enhancement with primary calvarial lesions. Neuroradiology, 2004, 46, 900-905.	2.2	8
81	Upper thoracic-spine disc degeneration in patients with cervical pain. Skeletal Radiology, 2004, 33, 29-33.	2.0	22
82	Cognitive impairment: classification by ¹H magnetic resonance spectroscopy. European Journal of Neurology, 2004, 11, 187-193.	3.3	57
83	Qualitative diagnosis of calvarial metastasis by neural network and logistic regression1. Academic Radiology, 2004, 11, 45-52.	2.5	9
84	Effect of subcutaneous butylscopolamine administration in the reduction of peristaltic artifacts in 1.5-T MR fast abdominal examinations. European Radiology, 2003, 13, 294-298.	4.5	32
85	Comparison of different injection forms in CT examination of the upper abdomen. Abdominal Imaging, 2003, 28, 799-804.	2.0	3
86	Dichotic listening and corpus callosum magnetic resonance imaging in relapsing-remitting multiple sclerosis with emphasis on sex differences.. Neuropsychology, 2002, 16, 275-281.	1.3	37
87	Craniopharyngiomas: identification of different semiological patterns with MRI. European Radiology, 2002, 12, 1829-1836.	4.5	30
88	Concomitant lower thoracic spine disc disease in lumbar spine MR imaging studies. European Radiology, 2002, 12, 2794-2798.	4.5	5
89	Dichotic listening and corpus callosum magnetic resonance imaging in relapsing-remitting multiple sclerosis with emphasis on sex differences. Neuropsychology, 2002, 16, 275-81.	1.3	7
90	Dichotic listening and corpus callosum magnetic resonance imaging in relapsing-remitting multiple sclerosis with emphasis on sex differences.. Neuropsychology, 2002, 16, 275-281.	1.3	0

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91	CT and MR imaging of focal calvarial lesions.. American Journal of Roentgenology, 1999, 172, 1683-1688.	2.2	51
92	Validation of Logistic Regression Models in Small Samples. Journal of Clinical Epidemiology, 1999, 52, 237-241.	5.0	19
93	Validation Procedures in Radiologic Diagnostic Models. Investigative Radiology, 1999, 34, 636.	6.2	14
94	Neurofibromatosis type 1 in children: MR imaging and follow-up studies of central nervous system findings. European Journal of Radiology, 1998, 26, 121-131.	2.6	47
95	Calvarial eosinophilic granuloma: Diagnostic models and image feature selection with a neural network. Academic Radiology, 1998, 5, 427-434.	2.5	6
96	Diagnostic imaging of focal calvarial bone lesions. Comparison of statistical and neural network models [in Spanish]. Medical Physics, 1998, 25, 361-361.	3.0	0
97	Focal Calvarial Bone Lesions. Investigative Radiology, 1998, 33, 738-745.	6.2	8
98	Eikenella corrodens skull infection: A case report with review of the literature. World Neurosurgery, 1997, 47, 389-391.	1.3	15
99	Portal vein absence and nodular regenerative hyperplasiaof the liver with giant inferior mesenteric vein. Abdominal Imaging, 1997, 22, 506-508.	2.0	47
100	Intradiploic epidermoid cysts. Neuroradiology, 1996, 38, 306-311.	2.2	81
101	Primary Intraosseous Meningiomas. Acta Radiologica, 1996, 37, 937-942.	1.1	28
102	Intradiploic epidermoid cysts. Neuroradiology, 1996, 38, 306-311.	2.2	8
103	Tumor Surface Regularity at MR Imaging Predicts Survival and Response to Surgery in Patients with Glioblastoma. Radiology, 0, , 171051.	7.3	11
104	Validation Procedures in Radiological Diagnostic Models. Neural Network and Logistic Regression. SSRN Electronic Journal, 0, , .	0.4	0