

Luis Alberto PÃ©rez Romasanta

List of Publications by Year in descending order

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50
papers

685
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566801

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833
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxic Cell Waves Around Necrotic Cores in Glioblastoma: A Biomathematical Model and Its Therapeutic Implications. <i>Bulletin of Mathematical Biology</i> , 2012, 74, 2875-2896.	0.9	99
2	Spine Instability Neoplastic Score: agreement across different medical and surgical specialties. <i>Spine Journal</i> , 2016, 16, 591-599.	0.6	54
3	Tumour heterogeneity in glioblastoma assessed by MRI texture analysis: a potential marker of survival. <i>British Journal of Radiology</i> , 2016, 89, 20160242.	1.0	47
4	Delay effects in the response of low-grade gliomas to radiotherapy: a mathematical model and its therapeutical implications. <i>Mathematical Medicine and Biology</i> , 2015, 32, 307-329.	0.8	43
5	Bright solitary waves in malignant gliomas. <i>Physical Review E</i> , 2011, 84, 021921.	0.8	41
6	Glioblastoma: does the pre-treatment geometry matter? A postcontrast T1 MRI-based study. <i>European Radiology</i> , 2017, 27, 1096-1104.	2.3	38
7	Applied mathematics and nonlinear sciences in the war on cancer. <i>Applied Mathematics and Nonlinear Sciences</i> , 2016, 1, 423-436.	0.9	30
8	Stereotactic Radiotherapy for Hepatocellular Carcinoma, Radiosensitization Strategies and Radiation-Immunotherapy Combination. <i>Cancers</i> , 2021, 13, 192.	1.7	27
9	The effect of the overall treatment time of fractionated irradiation on the tumor control probability of a human soft tissue sarcoma xenograft in nude mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 105-111.	0.4	26
10	Combined therapies of antithrombotics and antioxidants delay in silicobrain tumour progression. <i>Mathematical Medicine and Biology</i> , 2015, 32, 239-262.	0.8	22
11	Extreme protraction for low-grade gliomas: theoretical proof of concept of a novel therapeutical strategy. <i>Mathematical Medicine and Biology</i> , 2016, 33, 253-271.	0.8	21
12	Regulation of the oxidative balance with coenzyme Q10 sensitizes human glioblastoma cells to radiation and temozolomide. <i>Radiotherapy and Oncology</i> , 2018, 128, 236-244.	0.3	19
13	Morphological MRI-based features provide pretreatment survival prediction in glioblastoma. <i>European Radiology</i> , 2019, 29, 1968-1977.	2.3	19
14	Mechanistic modelling of prostate-specific antigen dynamics shows potential for personalized prediction of radiation therapy outcome. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190195.	1.5	18
15	Mesenchymal Stromal Cell Irradiation Interferes with the Adipogenic/Osteogenic Differentiation Balance and Improves Their Hematopoietic-Supporting Ability. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 443-451.	2.0	16
16	The effect of combining recombinant human tumor necrosis factor-alpha with local radiation on tumor control probability of a human glioblastoma multiforme xenograft in nude mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 1995, 32, 93-98.	0.4	15
17	Radiotherapy for metastatic spinal cord compression with increased radiation doses (RAMSES-01): a prospective multicenter study. <i>BMC Cancer</i> , 2019, 19, 1163.	1.1	14
18	Initial experience with stereotactic body radiation therapy for localized prostate cancer using helical tomotherapy. <i>Clinical and Translational Oncology</i> , 2014, 16, 380-385.	1.2	13

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19	Agreement in the assessment of metastatic spine disease using scoring systems. <i>Radiotherapy and Oncology</i> , 2015, 115, 135-140.	0.3	13
20	Optimal Combinations of Chemotherapy and Radiotherapy in Low-Grade Gliomas: A Mathematical Approach. <i>Journal of Personalized Medicine</i> , 2021, 11, 1036.	1.1	13
21	Tumor volume delineation in head and neck cancer with 18-fluor-fluorodeoxyglucose positron emission tomography: adaptive thresholding method applied to primary tumors and metastatic lymph nodes. <i>Clinical and Translational Oncology</i> , 2013, 15, 283-293.	1.2	12
22	CTV to PTV margins for prostate irradiation. Three-dimensional quantitative assessment of interfraction uncertainties using portal imaging and serial CT scans. <i>Clinical and Translational Oncology</i> , 2009, 11, 615-621.	1.2	11
23	Recommendations of the Spanish Societies of Radiation Oncology (SEOR), Nuclear Medicine & Molecular Imaging (SEMNI), and Medical Physics (SEFM) on 18F-FDG PET-CT for radiotherapy treatment planning. <i>Reports of Practical Oncology and Radiotherapy</i> , 2012, 17, 298-318.	0.3	11
24	Functional imaging in radiation therapy planning for head and neck cancer. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013, 18, 376-382.	0.3	11
25	Brain Metastasis Response to Stereotactic Radio Surgery: A Mathematical Approach. <i>Mathematics</i> , 2021, 9, 716.	1.1	5
26	Centralised treatment of soft tissue sarcomas in adults. <i>Clinical and Translational Oncology</i> , 2008, 10, 102-110.	1.2	4
27	Prognostic factors for acute toxicity in prostate cancer patients treated with high-dose hypofractionated radiotherapy. <i>Clinical and Translational Oncology</i> , 2013, 15, 643-651.	1.2	4
28	Mathematical model predicts response to radiotherapy of grade II gliomas. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013, 18, S63.	0.3	4
29	High-Risk Clinicopathological and Genetic Features and Outcomes in Patients Receiving Neoadjuvant Radiochemotherapy for Locally Advanced Rectal Cancer. <i>Cancers</i> , 2021, 13, 3166.	1.7	3
30	Utility of PET-CT on radiotherapy planning of head and neck cancer. Our initial experience. <i>Revista Española De Medicina Nuclear</i> , 2010, 29, 157-164.	0.3	2
31	A Clinical Review on Extreme Hypofractionated Stereotactic Body Radiation Therapy for Localized Prostate Cancer Using Nonrobotic Linear Accelerators. <i>Cancer Investigation</i> , 2014, 32, 191-196.	0.6	2
32	Pulmonary embolism and acro-ischemia in a lung cancer patient with COVID-19. <i>Medicina Clínica</i> , 2020, 155, 226-227.	0.3	1
33	Neoadjuvant chemotherapy and concomitant chemoradiotherapy with accelerated fractionated schedule in advanced carcinoma of the head and neck. <i>Radiotherapy and Oncology</i> , 2007, 82, S67.	0.3	0
34	84 poster: 18F-FDG-PET-CT Automatic Tumor Contouring for Head and Neck Cancer Radiotherapy: Signal to Background Ratio Method. <i>Radiotherapy and Oncology</i> , 2010, 94, S32-S33.	0.3	0
35	Tumor Volume Delineation in Head-and-Neck Cancer With 18-Fluor-Fluorodeoxyglucose Positron Emission Tomography: Adaptive Thresholding Method Applied to Primary Tumors and Metastatic Lymph Nodes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, S507.	0.4	0
36	Five years experience with total body irradiation. <i>Reports of Practical Oncology and Radiotherapy</i> , 2013, 18, S294-S295.	0.3	0

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37	Initial experience with prostate cancer stereotactic body radiation therapy (5.65Gyx8) using helical tomotherapy. Reports of Practical Oncology and Radiotherapy, 2013, 18, S96-S97.	0.3	0
38	Second cancers in patients with head and neck carcinoma: Prognostic factors. Reports of Practical Oncology and Radiotherapy, 2013, 18, S253.	0.3	0
39	Prior, synchronous and metachronous malignancies in patients with head and neck cancer. Reports of Practical Oncology and Radiotherapy, 2013, 18, S250.	0.3	0
40	Papillary tumor of the pineal region. Case report. Reports of Practical Oncology and Radiotherapy, 2013, 18, S194.	0.3	0
41	Osteopaenia and osteoporosis among localized prostate cancer patients treated with long-term androgen deprivation and radiotherapy. Reports of Practical Oncology and Radiotherapy, 2013, 18, S98.	0.3	0
42	RapidArc for lung SBRT: Dosimetric comparison with helical tomotherapy. Reports of Practical Oncology and Radiotherapy, 2013, 18, S267.	0.3	0
43	EP-1073: Initial experience with extreme hypofractionation (5.65 Gy x 8 in 3 weeks) in localised prostate cancer. Radiotherapy and Oncology, 2013, 106, S405.	0.3	0
44	EP-0995: Response of low grade gliomas to radiotherapy: A mathematical model and its therapeutical implications.. Radiotherapy and Oncology, 2013, 106, S383.	0.3	0
45	EP-1397: SBRT for localized prostate cancer using Tomotherapy: current results of a phase II study (8) Tj ETQq1 1 0,784314 rgBT /Over	0.3	0
46	2846 Retrospective study of prophylactic neck irradiation of Head and Neck squamous cell carcinomas in the postoperative setting. European Journal of Cancer, 2015, 51, S572-S573.	1.3	0
47	2056 Locally advanced rectal cancer with neoadjuvant treatment strategies: Our experiences. European Journal of Cancer, 2015, 51, S347.	1.3	0
48	Glioblastoma: Pre-treatment geometry and texture of postcontrast T1 MRI matter. , 2016, , .		0
49	EP-1634 Stereotactic Body Radiotherapy (SBRT) for bone metastases: Preliminary experience. Radiotherapy and Oncology, 2019, 133, S881.	0.3	0
50	Pulmonary embolism and acro-ischemia in a lung cancer patient with COVID-19. Medicina Clínica (English Edition), 2020, 155, 226-227.	0.1	0