

Jean-Philippe Pignol

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

132
papers

5,139
citations

35
h-index

70
g-index

160
ext. papers

6,064
ext. citations

3.6
avg. IF

5.18
L-index

#	Paper	IF	Citations
132	Comparison of visibility of iodinated hydrogel and gadolinium-modified hyaluronic acid spacer gels on computed tomography and onboard imaging.. <i>Physics and Imaging in Radiation Oncology</i> , 2022 , 21, 48-53	3.1	0
131	The Financial Impact on Reimbursement of Moderately Hypofractionated Postoperative Radiation Therapy for Breast Cancer: An International Consortium Report. <i>Clinical Oncology</i> , 2021 , 33, 322-330	2.8	14
130	Intrafraction motion during partial breast irradiation depends on treatment time. <i>Radiotherapy and Oncology</i> , 2021 , 159, 176-182	5.3	4
129	Characterization of the HollandPTC proton therapy beamline dedicated to uveal melanoma treatment and an interinstitutional comparison. <i>Medical Physics</i> , 2021 , 48, 4506-4522	4.4	1
128	MRI-guided Radiation Therapy: An Emerging Paradigm in Adaptive Radiation Oncology. <i>Radiology</i> , 2021 , 298, 248-260	20.5	16
127	Three-dimensional MRI-based treatment planning approach for non-invasive ocular proton therapy. <i>Medical Physics</i> , 2021 , 48, 1315-1326	4.4	5
126	Identification of Risk of Cardiovascular Disease by Automatic Quantification of Coronary Artery Calcifications on Radiotherapy Planning CT Scans in Patients With Breast Cancer. <i>JAMA Oncology</i> , 2021 , 7, 1024-1032	13.4	6
125	The use of bolus in postmastectomy radiation therapy for breast cancer: A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 163, 103391	7	4
124	Estimation of Annual Secondary Lung Cancer Deaths Using Various Adjuvant Breast Radiotherapy Techniques for Early-Stage Cancers. <i>Frontiers in Oncology</i> , 2021 , 11, 713328	5.3	0
123	A Delphi study and International Consensus Recommendations: The use of bolus in the setting of postmastectomy radiation therapy for early breast cancer. <i>Radiotherapy and Oncology</i> , 2021 , 164, 115-121	5.3	3
122	Fiducial marker motion relative to the tumor bed has a significant impact on PTV margins in partial breast irradiation. <i>Radiotherapy and Oncology</i> , 2021 , 163, 1-6	5.3	1
121	Radiochromic film in vivo dosimetry predicts early the risk of acute skin toxicity for brachytherapy partial breast irradiation. <i>Physics in Medicine and Biology</i> , 2020 , 65, 085001	3.8	0
120	Dual-Receptor-Targeted (DRT) Radiation Nanomedicine Labeled with Lu Is More Potent for Killing Human Breast Cancer Cells That Coexpress HER2 and EGFR Than Single-Receptor-Targeted (SRT) Radiation Nanomedicines. <i>Molecular Pharmaceutics</i> , 2020 , 17, 1226-1236	5.6	7
119	Sequence Inversion to Facilitate Concurrent Radiotherapy and Systemic Therapy. A Proof of Principle Study in the Setting of a Phase II Randomized Trial in Prostate Cancer. <i>Frontiers in Oncology</i> , 2020 , 10, 570660	5.3	
118	Radiation and/or endocrine therapy? Recurrence and survival outcomes in women over 70 with early breast cancer after breast-conserving surgery. <i>Breast Cancer Research and Treatment</i> , 2020 , 182, 411-420	4.4	5
117	Response to Comment on - Long-term risks of secondary cancers for various whole and partial breast irradiation techniques. <i>Radiotherapy and Oncology</i> , 2020 , 142, 261	5.3	
116	Reducing the Risk of Secondary Lung Cancer in Treatment Planning of Accelerated Partial Breast Irradiation. <i>Frontiers in Oncology</i> , 2020 , 10, 1445	5.3	3

115	The use of moderately hypofractionated post-operative radiation therapy for breast cancer in clinical practice: A critical review. <i>Critical Reviews in Oncology/Hematology</i> , 2020 , 156, 103090	7	12
114	Injection of radiopaque hydrogel at time of lumpectomy improves the target definition for adjuvant radiotherapy. <i>Radiotherapy and Oncology</i> , 2019 , 131, 8-13	5.3	8
113	Permanent breast seed implant for partial breast radiotherapy after partial mastectomy for favorable breast cancer: Technique, results, and applications to various seroma presentations. <i>Brachytherapy</i> , 2019 , 18, 510-520	2.4	7
112	Bragatston study protocol: a multicentre cohort study on automated quantification of cardiovascular calcifications on radiotherapy planning CT scans for cardiovascular risk prediction in patients with breast cancer. <i>BMJ Open</i> , 2019 , 9, e028752	3	9
111	Subcutaneous spacer injection to reduce skin toxicity in breast brachytherapy: A pilot study on mastectomy specimens. <i>Brachytherapy</i> , 2019 , 18, 204-210	2.4	2
110	Severe depression more common in patients with ductal carcinoma in situ than early-stage invasive breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2018 , 167, 205-213	4.4	12
109	Long-term risks of secondary cancer for various whole and partial breast irradiation techniques. <i>Radiotherapy and Oncology</i> , 2018 , 128, 428-433	5.3	29
108	Development and psychometric evaluation of a Dutch-translated shorter Breast Cancer Treatment Outcome Scale (Dutch BCTOS-13). <i>Journal of Patient-Reported Outcomes</i> , 2018 , 2, 60	2.6	4
107	A randomized controlled trial testing a hyaluronic acid spacer injection for skin toxicity reduction of brachytherapy accelerated partial breast irradiation (APBI): a study protocol. <i>Trials</i> , 2018 , 19, 689	2.8	3
106	Response to: 'Reply to: Who Should Bear the Cost of Convenience? A Cost-effectiveness Analysis Comparing External Beam and Brachytherapy Radiotherapy Techniques for Early Stage Breast Cancer'. <i>Clinical Oncology</i> , 2017 , 29, 393-394	2.8	1
105	Local Radiation Treatment of HER2-Positive Breast Cancer Using Trastuzumab-Modified Gold Nanoparticles Labeled with Lu. <i>Pharmaceutical Research</i> , 2017 , 34, 579-590	4.5	43
104	Monte Carlo simulation of radiation transport and dose deposition from locally released gold nanoparticles labeled with In, Lu or Y incorporated into tissue implantable depots. <i>Physics in Medicine and Biology</i> , 2017 , 62, 8581-8599	3.8	9
103	Interplay between the gold nanoparticle sub-cellular localization, size, and the photon energy for radiosensitization. <i>Scientific Reports</i> , 2017 , 7, 13268	4.9	22
102	Accelerated Partial Breast Irradiation. <i>Medical Radiology</i> , 2017 , 141-155	0.2	
101	Whole-Breast Hypofractionated Radiotherapy. <i>Medical Radiology</i> , 2017 , 127-139	0.2	
100	In-labeled trastuzumab-modified gold nanoparticles are cytotoxic in vitro to HER2-positive breast cancer cells and arrest tumor growth in vivo in athymic mice after intratumoral injection. <i>Nuclear Medicine and Biology</i> , 2016 , 43, 818-826	2.1	44
99	Depot system for controlled release of gold nanoparticles with precise intratumoral placement by permanent brachytherapy seed implantation (PSI) techniques. <i>International Journal of Pharmaceutics</i> , 2016 , 515, 729-739	6.5	12
98	ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer, version 1.1. <i>Radiotherapy and Oncology</i> , 2016 , 118, 205-8	5.3	105

97	The Quest for Evidence for Proton Therapy: Model-Based Approach and Precision Medicine. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 95, 30-36	4	79
96	Intratumorally Injected ¹⁷⁷ Lu-Labeled Gold Nanoparticles: Gold Nanoseed Brachytherapy with Application for Neoadjuvant Treatment of Locally Advanced Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 936-42	8.9	66
95	Clinical Significance of Accounting for Tissue Heterogeneity in Permanent Breast Seed Implant Brachytherapy Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016 , 94, 816-23	4	5
94	Stability and Biodistribution of Thiol-Functionalized and (¹⁷⁷)Lu-Labeled Metal Chelating Polymers Bound to Gold Nanoparticles. <i>Biomacromolecules</i> , 2016 , 17, 1292-302	6.9	23
93	Automatic Coronary Artery Calcium Scoring on Radiotherapy Planning CT Scans of Breast Cancer Patients: Reproducibility and Association with Traditional Cardiovascular Risk Factors. <i>PLoS ONE</i> , 2016 , 11, e0167925	3.7	27
92	Breast Brachytherapy: Permanent Breast Seed Implants [How and Why?]. <i>Medical Radiology</i> , 2016 , 185-196.2		0
91	Technical Note: Multipurpose CT, ultrasound, and MRI breast phantom for use in radiotherapy and minimally invasive interventions. <i>Medical Physics</i> , 2016 , 43, 2508	4.4	12
90	Ten years results of the Canadian breast intensity modulated radiation therapy (IMRT) randomized controlled trial. <i>Radiotherapy and Oncology</i> , 2016 , 121, 414-419	5.3	55
89	Permanent Breast Seed Implant for Early-stage Breast Cancer: Impact of Primary Tumour Location on the Overall Cosmetic Outcome. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2015 , 46, 85-89	1.4	0
88	Long-term results of a study using individualized planning target volumes for hypofractionated intensity-modulated radiotherapy boost for prostate cancer. <i>Radiation Oncology</i> , 2015 , 10, 95	4.2	4
87	Radiation Nanomedicine for EGFR-Positive Breast Cancer: Panitumumab-Modified Gold Nanoparticles Complexed to the β Particle-Emitter, (¹⁷⁷)Lu. <i>Molecular Pharmaceutics</i> , 2015 , 12, 3963-72	5.6	57
86	Adjuvant radiotherapy for primary breast cancer in BRCA1 and BRCA2 mutation carriers and risk of contralateral breast cancer with special attention to patients irradiated at younger age. <i>Breast Cancer Research and Treatment</i> , 2015 , 154, 171-80	4.4	23
85	The evaluation of innovation in radiation oncology--what can we do and what should we do?. <i>Acta Oncologica</i> , 2015 , 54, 1251-3	3.2	10
84	Prospective evaluation of severe skin toxicity and pain during postmastectomy radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 91, 157-64	4	50
83	Report on the Clinical Outcomes of Permanent Breast Seed Implant for Early-Stage Breast Cancers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015 , 93, 614-21	4	37
82	Prognostic role of adjuvant radiotherapy in triple-negative breast cancer: A historical cohort study. <i>International Journal of Cancer</i> , 2015 , 137, 2504-12	7.5	24
81	ESTRO consensus guideline on target volume delineation for elective radiation therapy of early stage breast cancer. <i>Radiotherapy and Oncology</i> , 2015 , 114, 3-10	5.3	281
80	Decisional support throughout the cancer journey for older women diagnosed with early stage breast cancer: a single institutional study. <i>Journal of Cancer Education</i> , 2014 , 29, 129-35	1.8	6

79	Full-thickness closure in breast-conserving surgery: the impact on radiotherapy target definition for boost and partial breast irradiation. A multimodality image evaluation. <i>Annals of Surgical Oncology</i> , 2014 , 21, 3774-9	3.1	7
78	Age at diagnosis predicts local recurrence in women treated with breast-conserving surgery and postoperative radiation therapy for ductal carcinoma in situ: a population-based outcomes analysis. <i>Current Oncology</i> , 2014 , 21, e96-e104	2.8	40
77	Measurement of mean cardiac dose for various breast irradiation techniques and corresponding risk of major cardiovascular event. <i>Frontiers in Oncology</i> , 2014 , 4, 284	5.3	14
76	Tumor factors predictive of response to hypofractionated radiotherapy in a randomized trial following breast conserving therapy. <i>Annals of Oncology</i> , 2014 , 25, 992-8	10.3	73
75	Postmastectomy radiotherapy in patients with breast cancer. <i>Lancet, The</i> , 2014 , 384, 1846	40	
74	Dose heterogeneity correction for low-energy brachytherapy sources using dual-energy CT images. <i>Physics in Medicine and Biology</i> , 2014 , 59, 5305-16	3.8	9
73	Investigation of the effects of cell model and subcellular location of gold nanoparticles on nuclear dose enhancement factors using Monte Carlo simulation. <i>Medical Physics</i> , 2013 , 40, 114101	4.4	24
72	A simplified analytical dose calculation algorithm accounting for tissue heterogeneity for low-energy brachytherapy sources. <i>Physics in Medicine and Biology</i> , 2013 , 58, 6299-315	3.8	12
71	Molecularly targeted gold nanoparticles enhance the radiation response of breast cancer cells and tumor xenografts to X-radiation. <i>Breast Cancer Research and Treatment</i> , 2013 , 137, 81-91	4.4	111
70	Evaluation of neoadjuvant chemotherapy response in women with locally advanced breast cancer using ultrasound elastography. <i>Translational Oncology</i> , 2013 , 6, 17-24	4.9	57
69	A Monte Carlo-based model of gold nanoparticle radiosensitization accounting for increased radiobiological effectiveness. <i>Physics in Medicine and Biology</i> , 2013 , 58, 3075-87	3.8	104
68	SU-E-T-566: Optimization of Permanent Seed Implant Dosimetry Incorporating Tissue Heterogeneity. <i>Medical Physics</i> , 2013 , 40, 336-336	4.4	
67	Reply to Comment on Implications on clinical scenario of gold nanoparticle radiosensitization in regards to photon energy, nanoparticle size, concentration and location. <i>Physics in Medicine and Biology</i> , 2012 , 57, 291-295	3.8	8
66	Permanent breast seed implant dosimetry quality assurance. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012 , 83, 84-92	4	23
65	Consequences of dose heterogeneity on the biological efficiency of ¹²⁵ I permanent breast seed implants. <i>Physics in Medicine and Biology</i> , 2012 , 57, 809-23	3.8	7
64	Role of antibody-mediated tumor targeting and route of administration in nanoparticle tumor accumulation in vivo. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2168-79	5.6	78
63	Accuracy and completeness of pathology reporting--impact on partial breast irradiation eligibility. <i>Clinical Oncology</i> , 2012 , 24, 177-82	2.8	4
62	Tissue modeling schemes in low energy breast brachytherapy. <i>Physics in Medicine and Biology</i> , 2011 , 56, 7045-60	3.8	13

61	Optimized digital counting colonies of clonogenic assays using ImageJ software and customized macros: comparison with manual counting. <i>International Journal of Radiation Biology</i> , 2011 , 87, 1135-46	2.9	69
60	Doses to internal organs for various breast radiation techniques--implications on the risk of secondary cancers and cardiomyopathy. <i>Radiation Oncology</i> , 2011 , 6, 5	4.2	29
59	The difference of scoring dose to water or tissues in Monte Carlo dose calculations for low energy brachytherapy photon sources. <i>Medical Physics</i> , 2011 , 38, 1526-33	4.4	31
58	A comparison of postimplant dosimetry for (103)Pd versus (131)Cs seeds on a retrospective series of PBSI patients. <i>Medical Physics</i> , 2011 , 38, 6046-52	4.4	9
57	Is breast conservation therapy superior to mastectomy for women with triple-negative breast cancers?. <i>Journal of Clinical Oncology</i> , 2011 , 29, 2841-3	2.2	11
56	Reply: Cellular Dosimetry Using the Geant4 Monte Carlo Toolkit 2010 , 51, 1489.1-1489		
55	Cellular dosimetry of (111)In using monte carlo N-particle computer code: comparison with analytic methods and correlation with in vitro cytotoxicity. <i>Journal of Nuclear Medicine</i> , 2010 , 51, 462-70	8.9	50
54	Sensitivity of low energy brachytherapy Monte Carlo dose calculations to uncertainties in human tissue composition. <i>Medical Physics</i> , 2010 , 37, 5188-98	4.4	71
53	Design and characterization of HER-2-targeted gold nanoparticles for enhanced X-radiation treatment of locally advanced breast cancer. <i>Molecular Pharmaceutics</i> , 2010 , 7, 2194-206	5.6	92
52	Influence of breast composition and interseed attenuation in dose calculations for post-implant assessment of permanent breast 103Pd seed implant. <i>Physics in Medicine and Biology</i> , 2010 , 55, 4547-61	3.8	33
51	Long-term results of hypofractionated radiation therapy for breast cancer. <i>New England Journal of Medicine</i> , 2010 , 362, 513-20	59.2	1130
50	Comment on "An experimental palladium-103 seed (OptiSeedexp in a biocompatible polymer without a gold marker: characterization of dosimetric parameters including the interseed effect" [<i>Med. Phys.</i> 35, 5841-5850 (2008)]. <i>Medical Physics</i> , 2009 , 36, 2343; author reply 2344	4.4	1
49	Electron and photon spread contributions to the radiological penumbra for small monoenergetic x-ray beam (2 MeV). <i>Journal of Applied Physics</i> , 2009 , 105, 102011	2.5	14
48	Monte Carlo study of LDR seed dosimetry with an application in a clinical brachytherapy breast implant. <i>Medical Physics</i> , 2009 , 36, 1848-58	4.4	31
47	Tolerance and acceptance results of a palladium-103 permanent breast seed implant Phase I/II study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009 , 73, 1482-8	4	64
46	Initial investigation on the use of MR spectroscopy and micro-MRI of GAFCHROMIC EBT radiotherapy film. <i>Medical Physics</i> , 2009 , 36, 5341-6	4.4	2
45	Intermediate energy photons (1 MV) to improve dose gradient, conformality, and homogeneity: potential benefits for small field intracranial radiosurgery. <i>Medical Physics</i> , 2009 , 36, 33-9	4.4	9
44	Permanent Breast Seed Implants 2009 , 263-276		2

43	TH-C-BRD-07: Small Field Intracranial Radiosurgery Using Intermediate Energy X-Rays (1 MV) to Improve Dose Gradient and Homogeneity. <i>Medical Physics</i> , 2009 , 36, 2796-2796	4.4	
42	A multicenter randomized trial of breast intensity-modulated radiation therapy to reduce acute radiation dermatitis. <i>Journal of Clinical Oncology</i> , 2008 , 26, 2085-92	2.2	533
41	Optical imaging analysis of microscopic radiation dose gradients in Gafchromic EBT film using a digital microscope. <i>Medical Physics</i> , 2008 , 35, 3740-7	4.4	5
40	Experimental evaluation of an online gamma-camera imaging of permanent seed implantation (OGIPSI) prototype for partial breast irradiation. <i>Medical Physics</i> , 2008 , 35, 2485-92	4.4	3
39	Final tolerance and acceptance results of a phase I/II clinical trial of permanent breast 103Pd seed implant. <i>Brachytherapy</i> , 2008 , 7, 111	2.4	2
38	A radiation badge survey for family members living with patients treated with a (103)Pd permanent breast seed implant. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008 , 70, 267-71	4	14
37	Sci-Sat AM(2): Brachy-05: Dosimetry effects of the TG-43 approximations for two iodine seeds in LDR brachytherapy. <i>Medical Physics</i> , 2008 , 35, 3416-3417	4.4	
36	The management of ductal carcinoma in situ of the breast: a screened population-based analysis. <i>Breast Cancer Research and Treatment</i> , 2007 , 101, 335-47	4.4	53
35	Experimental measurement of radiological penumbra associated with intermediate energy x-rays (1 MV) and small radiosurgery field sizes. <i>Medical Physics</i> , 2007 , 34, 3996-4002	4.4	16
34	Online gamma-camera imaging of 103Pd seeds (OGIPS) for permanent breast seed implantation. <i>Physics in Medicine and Biology</i> , 2007 , 52, 5921-32	3.8	5
33	Significance of multifocality in ductal carcinoma in situ: outcomes of women treated with breast-conserving therapy. <i>Journal of Clinical Oncology</i> , 2007 , 25, 5591-6	2.2	44
32	Improvement of radiological penumbra using intermediate energy photons (IEP) for stereotactic radiosurgery. <i>Physics in Medicine and Biology</i> , 2006 , 51, 2537-48	3.8	18
31	Prediction of lung tumour position based on spirometry and on abdominal displacement: accuracy and reproducibility. <i>Radiotherapy and Oncology</i> , 2006 , 78, 339-46	5.3	42
30	First report of a permanent breast 103Pd seed implant as adjuvant radiation treatment for early-stage breast cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 64, 176-81	4	95
29	Body radiation exposure in breast cancer radiotherapy: impact of breast IMRT and virtual wedge compensation techniques. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006 , 65, 52-8	4	59
28	SU-FF-T-246: First Report On a Badge Survey for Family Members Living with Permanent Pd-103 Breast Seed Implant Patients. <i>Medical Physics</i> , 2006 , 33, 2104-2104	4.4	1
27	TU-EE-A1-02: Quality Assurance of Partial Breast Irradiation Using Permanent Breast 103Pd Seed Implant (PBSI). <i>Medical Physics</i> , 2006 , 33, 2205-2205	4.4	
26	TU-E-224A-05: Intermediate Energy X-Ray Photons (0.2 - 1.0 MeV) for Radiosurgery: Producing a Beam and Measurement of Radiological Penumbra. <i>Medical Physics</i> , 2006 , 33, 2215-2215	4.4	

25	SU-FF-T-382: Reduction of Total Body Exposure in Breast Radiotherapy Using Breast IMRT Or Virtual Wedge - Importance in the Prevention of the Leukemia in Combined Chemo-Radiation Regimens for Breast Cancer. <i>Medical Physics</i> , 2006 , 33, 2133-2133	4.4	
24	Sci-Sat AM (2) Therapy-03: Characterization of Intermediate Energy X-Ray Photons (0.2-1.0 MeV) for stereotactic radiosurgery: experimental demonstration of reduced radiological penumbra. <i>Medical Physics</i> , 2006 , 33, 2674-2675	4.4	
23	Inverse vs. forward breast IMRT planning. <i>Medical Dosimetry</i> , 2005 , 30, 149-54	1.3	47
22	Individualized planning target volumes for intrafraction motion during hypofractionated intensity-modulated radiotherapy boost for prostate cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 62, 418-25	4	69
21	A permanent breast seed implant as partial breast radiation therapy for early-stage patients: a comparison of palladium-103 and iodine-125 isotopes based on radiation safety considerations. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005 , 62, 358-65	4	50
20	Complementary and alternative medicine use is associated with an increased perception of breast cancer risk and death. <i>Breast Cancer Research and Treatment</i> , 2005 , 90, 139-48	4.4	79
19	Is expert breast pathology assessment necessary for the management of ductal carcinoma in situ ?. <i>Breast Cancer Research and Treatment</i> , 2004 , 87, 265-72	4.4	25
18	Comparison of the efficacy and acute toxicity of weekly versus daily chemoradiotherapy for non-small-cell lung cancer: a meta-analysis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 58, 196-203	4	27
17	Correlation of lung tumor motion with external surrogate indicators of respiration. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004 , 60, 1298-306	4	264
16	A comparison of risk perception and psychological morbidity in women with ductal carcinoma in situ and early invasive breast cancer. <i>Breast Cancer Research and Treatment</i> , 2003 , 77, 285-93	4.4	121
15	Clinical significance of atomic inner shell ionization (ISI) and Auger cascade for radiosensitization using IUDR, BUDR, platinum salts, or gadolinium porphyrin compounds. <i>International Journal of Radiation Oncology Biology Physics</i> , 2003 , 55, 1082-91	4	29
14	Monte Carlo simulation of fast neutron spectra: mean lineal energy estimation with an effectiveness function and correlation to RBE. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001 , 49, 251-60	4	13
13	Radiotherapy for a solitary brain metastasis during pregnancy: a method for reducing fetal dose. <i>British Journal of Radiology</i> , 2001 , 74, 638-41	3.4	37
12	Recoil proton, alpha particle, and heavy ion impacts on microdosimetry and RBE of fast neutrons: analysis of kerma spectra calculated by Monte Carlo simulation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2001 , 79, 189-195	2.4	3
11	BNCEF N Optimisation with Lead Blocks Collimation and Graphite Embedding 2001 , 741-746		
10	Beam collimation and bolusing material optimizations for 10boron neutron capture enhancement of fast neutron (BNCEF N): definition of the optimum irradiation technique. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999 , 43, 1151-9	4	8
9	Boron neutron capture enhancement (BNCE) of fast neutron irradiation for glioblastoma: increase of thermal neutron flux with heavy material collimation, a theoretical evaluation. <i>Journal of Neuro-Oncology</i> , 1999 , 41, 21-30	4.8	4
8	Combined use of FLUKA and MCNP-4A for the Monte Carlo simulation of the dosimetry of 10B neutron capture enhancement of fast neutron irradiations. <i>Medical Physics</i> , 1998 , 25, 885-91	4.4	17

7	Selective delivery of ^{10}B to soft tissue sarcoma using ^{10}B -L-borophenylalanine for boron neutron capture therapy. <i>British Journal of Radiology</i> , 1998 , 71, 320-3	3-4	24
6	Potentialisation par Captures de Neutrons pour les glioblastomes inextirpables. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1997 , 94, 1827-1830		3
5	Changes in biological effectiveness with depth of the Medicyc neutron therapy beam. <i>Bulletin Du Cancer Radiotherapie: Journal De La Societe Francaise Du Cancer: Organe De La Societe Francaise De Radiotherapie Oncologique</i> , 1996 , 83 Suppl, 47s-9s		6
4	Boron neutron capture irradiation: setting up a clinical programme in Nice. <i>Bulletin Du Cancer Radiotherapie: Journal De La Societe Francaise Du Cancer: Organe De La Societe Francaise De Radiotherapie Oncologique</i> , 1996 , 83 Suppl, 201s-6s		6
3	Proton therapy in ophthalmology: status report and problems encountered. <i>Bulletin Du Cancer Radiotherapie: Journal De La Societe Francaise Du Cancer: Organe De La Societe Francaise De Radiotherapie Oncologique</i> , 1996 , 83 Suppl, 215s-8s		2
2	Irradiations par capture de neutrons: principe, rsultats actuels et perspectives. <i>Bulletin Du Cancer Radiotherapie: Journal De La Societe Francaise Du Cancer: Organe De La Societe Francaise De Radiotherapie Oncologique</i> , 1995 , 82, 283-297		5
1	Neutron capture radiography applied to the investigation of boron-10 biodistribution in animals: improvements in techniques of imaging and quantitative analysis. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 94, 516-522	1.2	8