

# Isabelle Berry

## List of Publications by Year in descending order

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76  
papers

4,543  
citations

109321

35  
h-index

98798

67  
g-index

78  
all docs

78  
docs citations

78  
times ranked

5728  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of a non-encephalitogenic type 2 T helper-cell autoimmune response in multiple sclerosis after administration of an altered peptide ligand in a placebo-controlled, randomized phase II trial. <i>Nature Medicine</i> , 2000, 6, 1176-1182.	30.7	506
2	Language Functional Magnetic Resonance Imaging in Preoperative Assessment of Language Areas: Correlation with Direct Cortical Stimulation. <i>Neurosurgery</i> , 2003, 52, 1335-1347.	1.1	378
3	Early diagnosis of Alzheimer's disease using cortical thickness: impact of cognitive reserve. <i>Brain</i> , 2009, 132, 2036-2047.	7.6	376
4	Differential fMRI Responses in the Left Posterior Superior Temporal Gyrus and Left Supramarginal Gyrus to Habituation and Change Detection in Syllables and Tones. <i>NeuroImage</i> , 1999, 9, 135-144.	4.2	253
5	Cardiac MIBG scintigraphy is a sensitive tool for detecting cardiac sympathetic denervation in Parkinson's disease. <i>Movement Disorders</i> , 2003, 18, 890-897.	3.9	202
6	Posterior pituitary gland: appearance on MR images in normal and pathologic states.. <i>Radiology</i> , 1987, 165, 481-485.	7.3	157
7	Integration method of 3D MR spectroscopy into treatment planning system for glioblastoma IMRT dose painting with integrated simultaneous boost. <i>Radiation Oncology</i> , 2013, 8, 1.	2.7	127
8	The Effect of Hypoxia on Traumatic Head Injury in Rats: Alterations in Neurologic Function, Brain Edema, and Cerebral Blood Flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1987, 7, 759-767.	4.3	126
9	Usefulness of Motor Functional MRI Correlated to Cortical Mapping in Rolandic Low-Grade Astrocytomas. <i>Acta Neurochirurgica</i> , 1999, 141, 71-79.	1.7	111
10	Prognostic Value of fMRI in Recovery of Hand Function in Subcortical Stroke Patients. <i>Cerebral Cortex</i> , 2007, 17, 2980-2987.	2.9	103
11	A multicenter measurement of magnetization transfer ratio in normal white matter. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 441-446.	3.4	99
12	Methodological and Technical Issues for Integrating Functional Magnetic Resonance Imaging Data in a Neuronavigational System. <i>Neurosurgery</i> , 2001, 49, 1145-1157.	1.1	99
13	Does ageing influence deep brain stimulation outcomes in Parkinson's disease?. <i>Movement Disorders</i> , 2007, 22, 1457-1463.	3.9	98
14	Proton Magnetic Resonance Spectroscopic Imaging in Newly Diagnosed Glioblastoma: Predictive Value for the Site of Postradiotherapy Relapse in a Prospective Longitudinal Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 70, 773-781.	0.8	95
15	Chronic Motor Cortex Stimulation for Phantom Limb Pain: A Functional Magnetic Resonance Imaging Study: Technical Case Report. <i>Neurosurgery</i> , 2001, 48, 681-688.	1.1	91
16	The effects of hypovolemic hypotension on high-energy phosphate metabolism of traumatized brain in rats. <i>Journal of Neurosurgery</i> , 1988, 68, 129-136.	1.6	86
17	Methodological and Technical Issues for Integrating Functional Magnetic Resonance Imaging Data in a Neuronavigational System. <i>Neurosurgery</i> , 2001, 49, 1145-1157.	1.1	79
18	Neural Correlates of Proprioceptive Integration in the Contralesional Hemisphere of Very Impaired Patients Shortly After a Subcortical Stroke: An fMRI Study. <i>Neurorehabilitation and Neural Repair</i> , 2008, 22, 154-165.	2.9	76

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19	Diffusion tensor imaging in multiple sclerosis: a tool for monitoring changes in normal-appearing white matter. <i>Multiple Sclerosis Journal</i> , 2004, 10, 188-196.	3.0	71
20	Cerebral Functional Magnetic Resonance Imaging Activation Modulated by a Single Dose of the Monoamine Neurotransmission Enhancers Fluoxetine and Fenozolone during Hand Sensorimotor Tasks. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1999, 19, 1365-1375.	4.3	70
21	Cortical Areas Involved in Virtual Movement of Phantom Limbs: Comparison with Normal Subjects. <i>Neurosurgery</i> , 2003, 53, 1342-1353.	1.1	70
22	Pilot study for left ventricular imaging phenotype of patients over 65 years old with heart failure and preserved ejection fraction: the high prevalence of amyloid cardiomyopathy. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1403-1413.	1.5	61
23	Cortical Intraoperative Stimulation in Brain Tumors as a Tool to Evaluate Spatial Data from Motor Functional MRI. <i>Investigative Radiology</i> , 1999, 34, 225-229.	6.2	57
24	Characterization of Choline Compounds with In Vitro <sup>1</sup> H Magnetic Resonance Spectroscopy for the Discrimination of Primary Brain Tumors. <i>Investigative Radiology</i> , 1999, 34, 230-235.	6.2	52
25	Nicardipine reduces ischemic brain injury. Magnetic resonance imaging/spectroscopy study in cats. <i>Stroke</i> , 1989, 20, 268-274.	2.0	51
26	Virtual Movements Activate Primary Sensorimotor Areas in Amputees: Report of Three Cases. <i>Neurosurgery</i> , 2001, 49, 736-742.	1.1	49
27	Piecemeal recruitment of left-lateralized brain areas during reading: A spatio-functional account. <i>NeuroImage</i> , 2008, 43, 581-591.	4.2	45
28	Histochemical characterization and functional significance of the hyperintense signal on MR images of the posterior pituitary. <i>American Journal of Roentgenology</i> , 1989, 152, 153-157.	2.2	44
29	Contribution of Sinerem® used as blood-pool contrast agent: Detection of cerebral blood volume changes during apnea in the rabbit. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 415-419.	3.0	44
30	Defective Efficacy of Retinoic Acid Treatment in Patients with Metastatic Thyroid Carcinoma. <i>Thyroid</i> , 2006, 16, 1025-1031.	4.5	44
31	Evaluation of the Lactate-to-N-Acetyl-aspartate Ratio Defined With Magnetic Resonance Spectroscopic Imaging Before Radiation Therapy as a New Predictive Marker of the Site of Relapse in Patients With Glioblastoma Multiforme. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 385-393.	0.8	43
32	Acute experimental cerebral ischemia: MR enhancement using Gd-DTPA. <i>Radiology</i> , 1986, 158, 701-705.	7.3	42
33	Transition from rest to movement: Brain correlates revealed by functional connectivity. <i>NeuroImage</i> , 2009, 48, 207-216.	4.2	42
34	New concept of myocardial longitudinal strain reserve assessed by a dipyridamole infusion using 2D-strain echocardiography: the impact of diabetes and age, and the prognostic value. <i>Cardiovascular Diabetology</i> , 2013, 12, 84.	6.8	42
35	The utility of principal component analysis for the image display of brain lesions. A preliminary, comparative study. <i>Magnetic Resonance in Medicine</i> , 1987, 4, 471-486.	3.0	41
36	Neural substrates of low-frequency repetitive transcranial magnetic stimulation during movement in healthy subjects and acute stroke patients. A PET study. <i>Human Brain Mapping</i> , 2009, 30, 2542-2557.	3.6	38

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37	Randomised double blind trial of the safety and efficacy of two gadolinium complexes (Gd-DTPA and Tj ETQq1 1 0.784314 rgBT /Ove	2.2	37
38	Virtual Movements Activate Primary Sensorimotor Areas in Amputees: Report of Three Cases. Neurosurgery, 2001, 49, 736-742.	1.1	33
39	Diffusion- and magnetisation transfer-weighted MRI in childhood moyo-moya. Neuroradiology, 1998, 40, 267-271.	2.2	31
40	Magnetic resonance imaging and 31P magnetic resonance spectroscopy for evaluating focal cerebral ischemia. Journal of Neurosurgery, 1989, 70, 612-618.	1.6	30
41	Quantitative and reproducibility study of four tractography algorithms used in clinical routine. Journal of Magnetic Resonance Imaging, 2011, 34, 165-172.	3.4	30
42	Activation of Association Auditory Cortex Demonstrated with Functional MRI. NeuroImage, 1995, 2, 215-219.	4.2	28
43	Diagnostic score for the detection of cardiac amyloidosis in patients with left ventricular hypertrophy and impact on prognosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2017, 24, 101-109.	3.0	26
44	Predictive Value of Imaging Markers at Multiple Sclerosis Disease Onset Based on Gadolinium- and USPIO-Enhanced MRI and Machine Learning. PLoS ONE, 2014, 9, e93024.	2.5	24
45	High Energy Phosphate Metabolism in Experimental Permanent Focal Cerebral Ischemia: An in vivo <sup>31</sup> P Magnetic Resonance Spectroscopy Study. Journal of Cerebral Blood Flow and Metabolism, 1988, 8, 24-31.	4.3	21
46	MRI of intramedullary sarcoidosis: follow-up of a case. Neuroradiology, 1997, 39, 357-360.	2.2	21
47	Can DTI fiber tracking of the optic radiations predict visual deficit after surgery?. Clinical Neurology and Neurosurgery, 2014, 122, 87-91.	1.4	20
48	Do perfusion and diffusion MRI predict glioblastoma relapse sites following chemoradiation?. Journal of Neuro-Oncology, 2016, 130, 181-192.	2.9	20
49	Identification of a candidate biomarker from perfusion MRI to anticipate glioblastoma progression after chemoradiation. European Radiology, 2016, 26, 4194-4203.	4.5	18
50	Ultra-small superparamagnetic iron oxide enhancement is associated with higher loss of brain tissue structure in clinically isolated syndrome. Multiple Sclerosis Journal, 2016, 22, 1032-1039.	3.0	17
51	Response Assessment in Neuro-Oncology criteria, contrast enhancement and perfusion MRI for assessing progression in glioblastoma. Neuroradiology, 2017, 59, 1013-1020.	2.2	16
52	Experimental focal cerebral ischaemia assessed with IVIM*-MRI in the acute phase at 0.5 tesla. Neuroradiology, 1992, 34, 135-140.	2.2	15
53	Deep Brain Stimulation for Parkinson's Disease: Correlation between Intraoperative Subthalamic Nucleus Neurophysiology and Most Effective Contacts. Stereotactic and Functional Neurosurgery, 2003, 80, 108-113.	1.5	15
54	Prognostic impact of myocardial perfusion single photon emission computed tomography in patients with major extracardiac findings by computed tomography for attenuation correction. Journal of Nuclear Cardiology, 2018, 25, 1574-1583.	2.1	15

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55	Magnetic resonance imaging in multiple sclerosis. <i>Current Opinion in Neurology</i> , 1998, 11, 299-303.	3.6	15
56	Feasibility and accuracy of gated blood pool SPECT equilibrium radionuclide ventriculography for the assessment of left and right ventricular volumes and function in patients with left ventricular assist devices. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 625-634.	2.1	13
57	Voxel-based evidence of perfusion normalization in glioblastoma patients included in a phase II trial of radiotherapy/tipifarnib combination. <i>Journal of Neuro-Oncology</i> , 2015, 124, 465-473.	2.9	12
58	Multivoxel Object Representations in Adult Human Visual Cortex Are Flexible: An Associative Learning Study. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 852-868.	2.3	12
59	Cerebral Blood Flow, Cerebral Blood Flow Reactivity to Acetazolamide, and Cerebral Blood Volume in Patients with Leukoaraiosis. <i>Cerebrovascular Diseases</i> , 1994, 4, 287-293.	1.7	11
60	Diffusion and Perfusion MRI, Measurements of Acute Stroke Events and Outcome: Present Practice and Future Hope. <i>Cerebrovascular Diseases</i> , 1998, 8, 8-16.	1.7	11
61	Gated blood pool SPECT: The estimation of right ventricular volume and function is algorithm dependent in a clinical setting. <i>Journal of Nuclear Cardiology</i> , 2015, 22, 483-492.	2.1	10
62	Left arm monoballism as a relapse in multiple sclerosis. <i>Movement Disorders</i> , 1997, 12, 1091-1092.	3.9	9
63	Prediction of all-cause mortality from gated-SPECT global myocardial wall thickening. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 86-95.	2.1	9
64	Edema and the Lack of Blood Perfusion Produce Opposite Effects on the Magnetic Resonance Characteristics of Acutely Ischemic Rat Kidneys. <i>Investigative Radiology</i> , 1987, 22, 118-125.	6.2	8
65	Is TOMPOOL (gated blood-pool SPECT processing software) accurate to diagnose right and left ventricular dysfunction in a clinical setting?. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 1011-1022.	2.1	8
66	An optimized calibration method for surface measurements with MOSFETs in shaped-beam radiosurgery. <i>Physica Medica</i> , 2014, 30, 10-17.	0.7	6
67	Pattern of myocardial <sup>99m</sup> Tc-HMDP uptake and impact on myocardial function in patients with transthyretin cardiac amyloidosis. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 96-105.	2.1	5
68	Early depiction of brain ischaemia with MRI and dysprosium-dota injection. <i>European Radiology</i> , 1994, 4, 445-451.	4.5	4
69	Evaluation of a Trainer Phantom in the Learning Phase of Sentinel Lymph Node Identification in Breast Cancer. <i>World Journal of Surgery</i> , 2011, 35, 995-1001.	1.6	4
70	A Combined MRI Biomarker Approach Using a Non-Standard Multiple Factor Analysis. , 2018, , .		2
71	Spleno-hepatic index to predict portal hypertension by equilibrium radionuclide ventriculography. <i>Nuclear Medicine Communications</i> , 2018, 39, 1138-1142.	1.1	2
72	Reproducibility and reliability of the DTI fiber tracking algorithm integrated in the Sisyph software. , 2008, , .		1

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73	Relevance of the skewness index in DTI exploration of multiple sclerosis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 89-100.	2.0	1
74	Assessment of Asymmetry in Pyramidal Tract by Using Fiber Tracking. , 2009, , .		0
75	In-vivo dosimetry for conformal arc therapy using several MOSFET in stereotactic radiosurgery computed by an inverse model. EPJ Web of Conferences, 2016, 124, 00007.	0.3	0
76	3D Absorbed Dose Reconstructed in the Patient from EPID Images for IMRT and VMAT Treatments. IFMBE Proceedings, 2019, , 605-609.	0.3	0