

Didier Dormont

List of Publications by Year in descending order

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105
papers

9,313
citations

66343

42
h-index

39675

94
g-index

116
all docs

116
docs citations

116
times ranked

8277
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent perfusion abnormalities at day 1 correspond to different clinical trajectories after stroke. Journal of NeuroInterventional Surgery, 2023, 15, e26-e32.	3.3	4
2	Non-ischemic cerebral enhancing lesions after intracranial aneurysm endovascular repair: a retrospective French national registry. Journal of NeuroInterventional Surgery, 2022, 14, 925-930.	3.3	10
3	Automatic segmentation of white matter hyperintensities: validation and comparison with state-of-the-art methods on both Multiple Sclerosis and elderly subjects. NeuroImage: Clinical, 2022, 33, 102940.	2.7	17
4	Benefit of mechanical thrombectomy in acute ischemic stroke related to calcified cerebral embolus. Journal of Neuroradiology, 2022, 49, 317-323.	1.1	3
5	Aspects radiologiques de l'atteinte orbitaire de la maladie d'erdheim chester. Journal of Neuroradiology, 2022, 49, 124-125.	1.1	0
6	ClinicaDL: An open-source deep learning software for reproducible neuroimaging processing. Computer Methods and Programs in Biomedicine, 2022, 220, 106818.	4.7	13
7	MRI Field Strength Predicts Alzheimer's Disease: a Case Example of Bias in the ADNI Data Set. , 2022, , .		2
8	Radiological classification of dementia from anatomical MRI assisted by machine learning-derived maps. Journal of Neuroradiology, 2021, 48, 412-418.	1.1	18
9	Predicting the progression of mild cognitive impairment using machine learning: A systematic, quantitative and critical review. Medical Image Analysis, 2021, 67, 101848.	11.6	50
10	Reliability and accuracy of time-resolved contrast-enhanced magnetic resonance angiography in hypervascular spinal metastases prior embolization. European Radiology, 2021, 31, 4690-4699.	4.5	3
11	Simultaneously acquired PET and ASL imaging biomarkers may be helpful in differentiating progression from pseudo-progression in treated gliomas. European Radiology, 2021, 31, 7395-7405.	4.5	17
12	Pathomechanisms behind cognitive disorders following ruptured anterior communicating aneurysms: A diffusion tensor imaging study. Journal of Neuroradiology, 2021, , .	1.1	3
13	Specificities of arterial spin labeling (ASL) abnormalities in acute seizure. Journal of Neuroradiology, 2020, 47, 20-26.	1.1	13
14	Reduction of recruitment costs in preclinical AD trials: validation of automatic pre-screening algorithm for brain amyloidosis. Statistical Methods in Medical Research, 2020, 29, 151-164.	1.5	30
15	Are Gadolinium-Enhanced MR Sequences Needed in Simultaneous ¹⁸ F-FDG-PET/MRI for Tumor Delineation in Head and Neck Cancer?. American Journal of Neuroradiology, 2020, 41, 1888-1896.	2.4	8
16	Retrospective Observational Study of Brain MRI Findings in Patients with Acute SARS-CoV-2 Infection and Neurologic Manifestations. Radiology, 2020, 297, E313-E323.	7.3	131
17	Low ADC in CNS Lymphoma. Clinical Nuclear Medicine, 2020, 45, 545-546.	1.3	0
18	Comparison and validation of seven white matter hyperintensities segmentation software in elderly patients. NeuroImage: Clinical, 2020, 27, 102357.	2.7	31

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19	Convolutional neural networks for classification of Alzheimer's disease: Overview and reproducible evaluation. <i>Medical Image Analysis</i> , 2020, 63, 101694.	11.6	351
20	Accuracy of MRI Classification Algorithms in a Tertiary Memory Center Clinical Routine Cohort. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 1157-1166.	2.6	19
21	ASL perfusion in acute ischemic stroke: The value of CBF in outcome prediction. <i>Clinical Neurology and Neurosurgery</i> , 2020, 194, 105908.	1.4	14
22	Spinal cord infarction during venoarterial-extracorporeal membrane oxygenation support. <i>Journal of Artificial Organs</i> , 2020, 23, 388-393.	0.9	6
23	Imaging growth as a predictor of grade of malignancy and aggressiveness of IDH-mutant and 1p/19q-codeleted oligodendrogliomas in adults. <i>Neuro-Oncology</i> , 2020, 22, 993-1005.	1.2	7
24	Pseudo-continuous arterial spin labelling shows high diagnostic performance in the detection of postoperative residual lesion in hyper-vascularised adult brain tumours. <i>European Radiology</i> , 2020, 30, 2809-2820.	4.5	5
25	Ensemble Learning of Convolutional Neural Network, Support Vector Machine, and Best Linear Unbiased Predictor for Brain Age Prediction: ARAMIS Contribution to the Predictive Analytics Competition 2019 Challenge. <i>Frontiers in Psychiatry</i> , 2020, 11, 593336.	2.6	21
26	EGFR gene amplification in monocentric and multicentric glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 145, 587-589.	2.9	1
27	Tribute to Anne Bertrand (1978-2018): Neuroradiologist, scientist, teacher and friend. <i>Journal of Neuroradiology</i> , 2019, 46, 155-159.	1.1	0
28	Bioactive glass granules for mastoid and epitympanic surgical obliteration: CT and MRI appearance. <i>European Radiology</i> , 2019, 29, 5617-5626.	4.5	17
29	Aphasia outcome: the interactions between initial severity, lesion size and location. <i>Journal of Neurology</i> , 2019, 266, 1303-1309.	3.6	39
30	Considerations on the Relevance of Cerebral Fusiform Aneurysms Observed During HIV Infection. <i>Clinical Neuroradiology</i> , 2018, 28, 357-365.	1.9	3
31	Increased 18F-FDG Uptake in Lhermitte-Duclos Disease With Cowden Syndrome Revealed by PET-MRI. <i>Clinical Nuclear Medicine</i> , 2018, 43, e355-e356.	1.3	2
32	Critical brain regions related to post-stroke aphasia severity identified by early diffusion imaging are not the same when predicting short- and long-term outcome. <i>Brain and Language</i> , 2018, 186, 1-7.	1.6	12
33	Malignant transformation of epidermoid cyst with diffuse leptomeningeal carcinomatosis on skull base and trigeminal perineural spread. <i>Journal of Neuroradiology</i> , 2018, 45, 337-340.	1.1	1
34	Successful endovascular treatment of three fusiform cerebral aneurysms with the Pipeline Embolization Device in a patient with dilating HIV vasculopathy. <i>Journal of NeuroInterventional Surgery</i> , 2017, 9, e7.1-e7.	3.3	2
35	Arterial Spin Labeling to Predict Brain Tumor Grading: Limits of Cutoff Cerebral Blood Flow Values. <i>Radiology</i> , 2017, 282, 610-612.	7.3	6
36	Involvement of peripheral III nerve in multiple sclerosis patient: Report of a new case and discussion of the underlying mechanism. <i>Multiple Sclerosis Journal</i> , 2017, 23, 748-750.	3.0	12

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37	Neuroimaging features in posterior reversible encephalopathy syndrome: A pictorial review. <i>Journal of the Neurological Sciences</i> , 2017, 373, 188-200.	0.6	58
38	Association of Prognostic Factors and Immunosuppressive Treatment With Long-term Outcomes in Neurosarcoidosis. <i>JAMA Neurology</i> , 2017, 74, 1336.	9.0	76
39	Letter to the Editor: Can Vagus Nerve Schwannoma Masquerade as a Carotid Chemodectoma?. <i>Journal of Maxillofacial and Oral Surgery</i> , 2017, 16, 400-401.	1.4	0
40	Improved cerebral microbleeds detection using their magnetic signature on T2*-phase-contrast: A comparison study in a clinical setting. <i>NeuroImage: Clinical</i> , 2017, 15, 274-283.	2.7	11
41	Lesions in deep gray nuclei after severe traumatic brain injury predict neurologic outcome. <i>PLoS ONE</i> , 2017, 12, e0186641.	2.5	12
42	Predictors of cognitive decline and treatment response in a clinical trial on suspected prodromal Alzheimer's disease. <i>Neuropharmacology</i> , 2016, 108, 128-135.	4.1	23
43	The Brain Network of Naming: A Lesson from Primary Progressive Aphasia. <i>PLoS ONE</i> , 2016, 11, e0148707.	2.5	52
44	Transient reduction in venous susceptibility during posterior reversible encephalopathy syndrome. <i>Journal of the Neurological Sciences</i> , 2015, 358, 505-506.	0.6	5
45	Partial epilepsy: A pictorial review of 3 TESLA magnetic resonance imaging features. <i>Clinics</i> , 2015, 70, 654-661.	1.5	8
46	Axial Diffusivity of the Corona Radiata at 24 Hours Post-Stroke: A New Biomarker for Motor and Global Outcome. <i>PLoS ONE</i> , 2015, 10, e0142910.	2.5	27
47	2D harmonic filtering of MR phase images in multicenter clinical setting: Toward a magnetic signature of cerebral microbleeds. <i>NeuroImage</i> , 2015, 104, 287-300.	4.2	16
48	Hyperglycaemia, Insulin Therapy and Critical Penumbra Regions for Prognosis in Acute Stroke: Further Insights from the INSULINFARCT Trial. <i>PLoS ONE</i> , 2015, 10, e0120230.	2.5	29
49	Extensive basal ganglia edema caused by a traumatic carotid-cavernous fistula: a rare presentation related to a basal vein of Rosenthal anatomical variation. <i>Journal of Neurosurgery</i> , 2014, 121, 63-66.	1.6	13
50	High-level gait and balance disorders in the elderly: a midbrain disease?. <i>Journal of Neurology</i> , 2014, 261, 196-206.	3.6	39
51	Long-term Outcome of NeuroBehçet's Disease. <i>Arthritis and Rheumatology</i> , 2014, 66, 1306-1314.	5.6	102
52	Deciphering logopenic primary progressive aphasia: a clinical, imaging and biomarker investigation. <i>Brain</i> , 2013, 136, 3474-3488.	7.6	146
53	Intensive Versus Subcutaneous Insulin in Patients With Hyperacute Stroke. <i>Stroke</i> , 2012, 43, 2343-2349.	2.0	112
54	Prediction of Subacute Infarct Size in Acute Middle Cerebral Artery Stroke: Comparison of Perfusion-weighted Imaging and Apparent Diffusion Coefficient Maps. <i>Radiology</i> , 2012, 265, 511-517.	7.3	14

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55	Clinical usefulness of the visibility of the transcerebral veins at 3T on T2*-weighted sequence in acute stroke patients. <i>European Journal of Radiology</i> , 2012, 81, 1282-1287.	2.6	21
56	Is radiological evaluation as good as computer-based volumetry to assess hippocampal atrophy in Alzheimer's disease?. <i>Neuroradiology</i> , 2012, 54, 1321-1330.	2.2	39
57	Contrast-Based Fully Automatic Segmentation of White Matter Hyperintensities: Method and Validation. <i>PLoS ONE</i> , 2012, 7, e48953.	2.5	49
58	Spatial regularization of SVM for the detection of diffusion alterations associated with stroke outcome. <i>Medical Image Analysis</i> , 2011, 15, 729-737.	11.6	66
59	Diffusion tensor imaging can localize the epileptogenic zone in nonlesional extra-temporal refractory epilepsies when [18F]FDG-PET is not contributive. <i>Epilepsy Research</i> , 2011, 97, 170-182.	1.6	15
60	Tissue at risk in the deep middle cerebral artery territory is critical to stroke outcome. <i>Neuroradiology</i> , 2011, 53, 763-771.	2.2	26
61	Thalamic stimulation for tremor: Can target determination be improved?. <i>Movement Disorders</i> , 2011, 26, 307-312.	3.9	14
62	Bilateral Deep Brain Stimulation of the Pallidum for Myoclonus-Dystonia Due to β -Sarcoglycan Mutations. <i>Archives of Neurology</i> , 2011, 68, 94-8.	4.5	81
63	Long-term results of a multicenter study on subthalamic and pallidal stimulation in Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 578-586.	3.9	382
64	Cerebral, Facial, and Orbital Involvement in Erdheim-Chester Disease: CT and MR Imaging Findings. <i>Radiology</i> , 2010, 255, 586-594.	7.3	160
65	Prediction of Infarct Growth Based on Apparent Diffusion Coefficients: Penumbral Assessment without Intravenous Contrast Material. <i>Radiology</i> , 2009, 250, 184-192.	7.3	52
66	A three-dimensional histological atlas of the human basal ganglia. II. Atlas deformation strategy and evaluation in deep brain stimulation for Parkinson disease. <i>Journal of Neurosurgery</i> , 2009, 110, 208-219.	1.6	97
67	Bilateral pallidal deep brain stimulation for the treatment of patients with dystonia-choreoathetosis cerebral palsy: a prospective pilot study. <i>Lancet Neurology</i> , The, 2009, 8, 709-717.	10.2	313
68	Camptocormia and Parkinson's disease: MR imaging. <i>European Radiology</i> , 2008, 18, 1710-1719.	4.5	47
69	Subthalamic Nucleus Stimulation in Severe Obsessive-Compulsive Disorder. <i>New England Journal of Medicine</i> , 2008, 359, 2121-2134.	27.0	829
70	Automatic Prediction of Infarct Growth in Acute Ischemic Stroke from MR Apparent Diffusion Coefficient Maps. <i>Academic Radiology</i> , 2008, 15, 77-83.	2.5	22
71	Internal Pallidal and Thalamic Stimulation in Patients With Tourette Syndrome. <i>Archives of Neurology</i> , 2008, 65, 952-7.	4.5	219
72	In Vivo Detection of Thalamic Gliosis. <i>Archives of Neurology</i> , 2008, 65, 545.	4.5	34

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73	Acute Deep-Brain Stimulation of the Internal and External Globus Pallidus in Primary Dystonia. Archives of Neurology, 2007, 64, 1281.	4.5	71
74	A three-dimensional, histological and deformable atlas of the human basal ganglia. I. Atlas construction based on immunohistochemical and MRI data. NeuroImage, 2007, 34, 618-638.	4.2	288
75	Postoperative Recovery of Hippocampal Contralateral Diffusivity in Medial Temporal Lobe Epilepsy. Epilepsia, 2007, 48, 599-604.	5.1	13
76	Bilateral, pallidal, deep-brain stimulation in primary generalised dystonia: a prospective 3 year follow-up study. Lancet Neurology, The, 2007, 6, 223-229.	10.2	426
77	Early Morphologic and Spectroscopic Magnetic Resonance in Severe Traumatic Brain Injuries Can Detect "Invisible Brain Stem Damage" and Predict "Vegetative States". Journal of Neurotrauma, 2006, 23, 674-685.	3.4	103
78	Interictal diffusion MRI in partial epilepsies explored with intracerebral electrodes. Brain, 2006, 129, 375-385.	7.6	67
79	T1 Signal Hyperintensity in the Sellar Region: Spectrum of Findings. Radiographics, 2006, 26, 93-113.	3.3	176
80	Differentiation of sCJD and vCJD forms by automated analysis of basal ganglia intensity distribution in multisequence MRI of the brain-definition and evaluation of new MRI-based ratios. IEEE Transactions on Medical Imaging, 2006, 25, 1052-1067.	8.9	11
81	Characterization and correction of distortions in stereotactic magnetic resonance imaging for bilateral subthalamic stimulation in Parkinson disease. Journal of Neurosurgery, 2005, 103, 256-266.	1.6	39
82	Bilateral Deep-Brain Stimulation of the Globus Pallidus in Primary Generalized Dystonia. New England Journal of Medicine, 2005, 352, 459-467.	27.0	1,091
83	Nuclear bilateral Bell's palsy and ageusia associated with Mycoplasma pneumoniae pulmonary infection. Journal of Medical Microbiology, 2005, 54, 417-419.	1.8	13
84	Diffusion tensor imaging in medial temporal lobe epilepsy with hippocampal sclerosis. NeuroImage, 2005, 28, 682-690.	4.2	169
85	Effects of High-Frequency Stimulation on Subthalamic Neuronal Activity in Parkinsonian Patients. Archives of Neurology, 2004, 61, 89.	4.5	190
86	Preserved auditory cognitive ERPs in severe akinetic mutism: a case report. Cognitive Brain Research, 2004, 19, 202-205.	3.0	6
87	Subthalamic Stimulation in Parkinson Disease. Archives of Neurology, 2004, 61, 390.	4.5	119
88	Is the subthalamic nucleus hypointense on T2-weighted images? A correlation study using MR imaging and stereotactic atlas data. American Journal of Neuroradiology, 2004, 25, 1516-23.	2.4	129
89	Iconic feature based nonrigid registration: the PASHA algorithm. Computer Vision and Image Understanding, 2003, 89, 272-298.	4.7	200
90	Determination d'un modèle biomécanique du cerveau par l'analyse d'images: application à la maladie de Parkinson Determination of a biomechanical model of the brain by magnetic resonance images: application to Parkinson's disease. Mecanique Et Industries, 2003, 4, 429-433.	0.2	1

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91	Localization of stimulating electrodes in patients with Parkinson disease by using a three-dimensional atlasâ€™magnetic resonance imaging coregistration method. <i>Journal of Neurosurgery</i> , 2003, 99, 89-99.	1.6	178
92	Proximal Great Vessels of Aortic Arch: Comparison of Three-dimensional Gadolinium-enhanced MR Angiography and Digital Subtraction Angiography. <i>Radiology</i> , 2003, 229, 697-702.	7.3	78
93	Subthalamic Stimulation in Parkinson Disease. <i>Archives of Neurology</i> , 2003, 60, 690.	4.5	90
94	Compulsions, Parkinson's disease, and stimulation. <i>Lancet, The</i> , 2002, 360, 1302-1304.	13.7	351
95	Irregular jerky tremor, myoclonus, and thalamus: A study using low-frequency stimulation. <i>Movement Disorders</i> , 2000, 15, 919-924.	3.9	29
96	Effect of low and high frequency thalamic stimulation on sleep in patients with Parkinson's disease and essential tremor. <i>Journal of Sleep Research</i> , 2000, 9, 55-62.	3.2	113
97	Bilateral subthalamic stimulation for Parkinson's disease by using three-dimensional stereotactic magnetic resonance imaging and electrophysiological guidance. <i>Journal of Neurosurgery</i> , 2000, 92, 615-625.	1.6	340
98	Is There a Negative Correlation between Explicit Memory and Hippocampal Volume?. <i>NeuroImage</i> , 1999, 10, 589-595.	4.2	41
99	Transient Acute Depression Induced by High-Frequency Deep-Brain Stimulation. <i>New England Journal of Medicine</i> , 1999, 340, 1476-1480.	27.0	674
100	Dopaminergic Dysfunction in Midbrain Dystonia. <i>Archives of Neurology</i> , 1999, 56, 982.	4.5	58
101	Deep brain stimulation in Parkinson's disease: Opposite effects of stimulation in the pallidum. <i>Movement Disorders</i> , 1998, 13, 969-970.	3.9	55
102	Place de l'anatomie dans la cartographie fonctionnelle du cerveau. <i>Annales De L'Institut Pasteur / ActualitÃ©s</i> , 1998, 9, 243-258.	0.1	0
103	Pregnancy complicated by cerebral venous thrombosis in BehÃ§et's disease. <i>American Journal of Obstetrics and Gynecology</i> , 1995, 173, 1627-1629.	1.3	34
104	Prospective Study of Cerebral Sinus Venous Thrombosis in Patients Presenting with Benign Intracranial Hypertension. <i>Cerebrovascular Diseases</i> , 1992, 2, 22-27.	1.7	44
105	Gadolinium-DTPA Enhanced MR Imaging of Intradural Neurenteric Cysts. <i>Journal of Computer Assisted Tomography</i> , 1988, 12, 762-764.	0.9	24