

Deborah Pareto

List of Publications by Year in descending order

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82
papers

2,691
citations

201575

27
h-index

206029

48
g-index

86
all docs

86
docs citations

86
times ranked

3901
citing authors

#	ARTICLE	IF	CITATIONS
1	CSF chitinase 3-like 1 is associated with iron rims in patients with a first demyelinating event. Multiple Sclerosis Journal, 2022, 28, 71-81.	1.4	10
2	Magnetic resonance imaging findings in focal-onset status epilepticus. European Journal of Neurology, 2022, 29, 3-11.	1.7	5
3	Assessment of automatic decision-support systems for detecting active T2 lesions in multiple sclerosis patients. Multiple Sclerosis Journal, 2022, 28, 1209-1218.	1.4	4
4	Prognosis of a second clinical event from baseline MRI in patients with a CIS: a multicenter study using a machine learning approach. Neuroradiology, 2022, 64, 1383-1390.	1.1	2
5	T1/T2-weighted ratio is a surrogate marker of demyelination in multiple sclerosis – Commentary. Multiple Sclerosis Journal, 2022, 28, 357-358.	1.4	4
6	MAGNIMS recommendations for harmonization of MRI data in MS multicenter studies. NeuroImage: Clinical, 2022, 34, 102972.	1.4	11
7	T1/T2-weighted ratio in multiple sclerosis: A longitudinal study with clinical associations. NeuroImage: Clinical, 2022, 34, 102967.	1.4	13
8	Can Cognitive training Reignite Compensatory Mechanisms in Advanced Multiple Sclerosis Patients? An Explorative Morphological Network Approach. Neuroscience, 2022, , .	1.1	0
9	Spinal cord grey matter atrophy in Multiple Sclerosis clinical practice. Neuroscience Informatics, 2022, 2, 100071.	2.8	1
10	Serum neurofilament light chain levels predict long-term disability progression in patients with progressive multiple sclerosis. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 732-740.	0.9	8
11	Exploring in vivo multiple sclerosis brain microstructural damage through T1w/T2w ratio: a multicentre study. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 741-752.	0.9	13
12	Adding brain volume measures into response criteria in multiple sclerosis: the R ² -4 score. Neuroradiology, 2021, 63, 1031-1041.	1.1	2
13	Manual and automated tissue segmentation confirm the impact of thalamus atrophy on cognition in multiple sclerosis: A multicenter study. NeuroImage: Clinical, 2021, 29, 102549.	1.4	20
14	Development and evaluation of a manual segmentation protocol for deep grey matter in multiple sclerosis: Towards accelerated semi-automated references. NeuroImage: Clinical, 2021, 30, 102659.	1.4	3
15	Quantitative comparison of subcortical and ventricular volumetry derived from MPRAGE and MP2RAGE images using different brain morphometry software. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2021, 34, 903-914.	1.1	2
16	Cortical metabolic and structural differences in patients with chronic migraine. An exploratory 18FDG-PET and MRI study. Journal of Headache and Pain, 2021, 22, 75.	2.5	10
17	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. Scientific Data, 2021, 8, 219.	2.4	27
18	Quantification of Cervical Cord Cross-Sectional Area: Which Acquisition, Vertebra Level, and Analysis Software? A Multicenter Repeatability Study on a Traveling Healthy Volunteer. Frontiers in Neurology, 2021, 12, 693333.	1.1	8

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19	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021, 16, 4611-4632.	5.5	65
20	Opportunities for Understanding MS Mechanisms and Progression With MRI Using Large-Scale Data Sharing and Artificial Intelligence. <i>Neurology</i> , 2021, 97, 989-999.	1.5	10
21	Reduced dynamics of functional connectivity and cognitive impairment in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 476-488.	1.4	54
22	The long-term outcomes of CIS patients in the Barcelona inception cohort: Looking back to recognize aggressive MS. <i>Multiple Sclerosis Journal</i> , 2020, 26, 1658-1669.	1.4	41
23	A fully convolutional neural network for new T2-w lesion detection in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2020, 25, 102149.	1.4	40
24	Initial Studies with ¹¹ C-Vorozole PET Detect Overexpression of Intratumoral Aromatase in Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2020, 61, 807-813.	2.8	4
25	Human Cognitive Ability Is Modulated by Aromatase Availability in the Brain in a Sex-Specific Manner. <i>Frontiers in Neuroscience</i> , 2020, 14, 565668.	1.4	8
26	Relationship of estrogen synthesis capacity in the brain with obesity and self-control in men and women. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22962-22966.	3.3	12
27	Ratio of T1-Weighted to T2-Weighted Signal Intensity as a Measure of Tissue Integrity: Comparison with Magnetization Transfer Ratio in Patients with Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2020, 41, 461-463.	1.2	27
28	Assessment of brain volumes obtained from MP-RAGE and MP2RAGE images, quantified using different segmentation methods. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2020, 33, 757-767.	1.1	3
29	Sex Differences and Commonalities in the Impact of a Palatable Meal on Thalamic and Insular Connectivity. <i>Nutrients</i> , 2020, 12, 1627.	1.7	3
30	MAGNIMS consensus recommendations on the use of brain and spinal cord atrophy measures in clinical practice. <i>Nature Reviews Neurology</i> , 2020, 16, 171-182.	4.9	150
31	A validation study of manual atrophy measures in patients with Multiple Sclerosis. <i>Neuroradiology</i> , 2020, 62, 955-964.	1.1	10
32	Value of 3T Susceptibility-Weighted Imaging in the Diagnosis of Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2020, 41, 1001-1008.	1.2	68
33	Testing the Food Experience in Healthy Human Volunteers: a Proof-of-Concept Study. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2020, 29, 65-68.	0.5	0
34	Usefulness of brain perfusion CT in focal-onset status epilepticus. <i>Epilepsia</i> , 2019, 60, 1317-1324.	2.6	22
35	Brain regional volume estimations with NeuroQuant and FIRST: a study in patients with a clinically isolated syndrome. <i>Neuroradiology</i> , 2019, 61, 667-674.	1.1	15
36	Multiple Sclerosis Lesion Synthesis in MRI Using an Encoder-Decoder U-NET. <i>IEEE Access</i> , 2019, 7, 25171-25184.	2.6	46

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37	One-shot domain adaptation in multiple sclerosis lesion segmentation using convolutional neural networks. <i>NeuroImage: Clinical</i> , 2019, 21, 101638.	1.4	91
38	Classic Block Design "Pseudo" Resting-State fMRI Changes After a Neurorehabilitation Program in Patients with Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018, 28, 313-319.	1.0	14
39	A supervised framework with intensity subtraction and deformation field features for the detection of new T2-w lesions in multiple sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 607-615.	1.4	39
40	Brain atrophy 15 years after CIS: Baseline and follow-up clinico-radiological correlations. <i>Multiple Sclerosis Journal</i> , 2018, 24, 721-727.	1.4	6
41	Brain Atrophy in Multiple Sclerosis. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 289-300.	0.5	64
42	Improving automated multiple sclerosis lesion segmentation with a cascaded 3D convolutional neural network approach. <i>NeuroImage</i> , 2017, 155, 159-168.	2.1	287
43	Evaluating the effect of multiple sclerosis lesions on automatic brain structure segmentation. <i>NeuroImage: Clinical</i> , 2017, 15, 228-238.	1.4	19
44	Automated tissue segmentation of MR brain images in the presence of white matter lesions. <i>Medical Image Analysis</i> , 2017, 35, 446-457.	7.0	55
45	Grey matter atrophy is associated with disability increase in natalizumab-treated patients. <i>Multiple Sclerosis Journal</i> , 2017, 23, 556-566.	1.4	21
46	Measurement of Cortical Thickness and Volume of Subcortical Structures in Multiple Sclerosis: Agreement between 2D Spin-Echo and 3D MPRAGE T1-Weighted Images. <i>American Journal of Neuroradiology</i> , 2017, 38, 250-256.	1.2	9
47	An SPM12 extension for multiple sclerosis lesion segmentation. , 2016, , .		2
48	Neurofilament light chain level is a weak risk factor for the development of MS. <i>Neurology</i> , 2016, 87, 1076-1084.	1.5	85
49	Improved Automatic Detection of New T2 Lesions in Multiple Sclerosis Using Deformation Fields. <i>American Journal of Neuroradiology</i> , 2016, 37, 1816-1823.	1.2	30
50	Structural MRI correlates of cognitive impairment in patients with multiple sclerosis. <i>Human Brain Mapping</i> , 2016, 37, 1627-1644.	1.9	99
51	Brain Volume Loss During the First Year of Interferon-Beta Treatment in Multiple Sclerosis: Baseline Inflammation and Regional Brain Volume Dynamics. <i>Journal of Neuroimaging</i> , 2016, 26, 532-538.	1.0	21
52	Lesion filling effect in regional brain volume estimations: a study in multiple sclerosis patients with low lesion load. <i>Neuroradiology</i> , 2016, 58, 467-474.	1.1	23
53	Predictive value of early brain atrophy on response in patients treated with interferon β . <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2015, 2, e132.	3.1	28
54	Quantifying brain tissue volume in multiple sclerosis with automated lesion segmentation and filling. <i>NeuroImage: Clinical</i> , 2015, 9, 640-647.	1.4	31

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55	A toolbox for multiple sclerosis lesion segmentation. <i>Neuroradiology</i> , 2015, 57, 1031-1043.	1.1	76
56	Aromatase Imaging with [¹¹ C]-Methyl-Vorozole PET in Healthy Men and Women. <i>Journal of Nuclear Medicine</i> , 2015, 56, 580-585.	2.8	46
57	Kinetic Analysis of [¹¹ C]-Vorozole Binding in the Human Brain with Positron Emission Tomography. <i>Molecular Imaging</i> , 2014, 13, 7290.2014.00004.	0.7	8
58	In vivo evaluation of amyloid deposition and brain glucose metabolism of 5XFAD mice using positron emission tomography. <i>Neurobiology of Aging</i> , 2013, 34, 1790-1798.	1.5	69
59	Erythrocytes labeled with [¹⁸ F]-SFB as an alternative to radioactive CO for quantification of blood volume with PET. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 375-381.	0.4	9
60	In Vivo Imaging of Brain Aromatase in Female Baboons: [¹¹ C]-Vorozole Kinetics and Effect of the Menstrual Cycle. <i>Molecular Imaging</i> , 2013, 12, 7290.2013.00068.	0.7	18
61	Optimization of [¹¹ C]-Raclopride Positron Emission Tomographic Rat Studies: Comparison of Methods for Image Quantification. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00040.	0.7	1
62	In vivo molecular imaging of the GABA/benzodiazepine receptor complex in the aged rat brain. <i>Neurobiology of Aging</i> , 2012, 33, 1457-1465.	1.5	11
63	Regional Distribution of Aromatase in the Human Brain. , 2012, , 89-99.		1
64	Biodistribution of Amino-Functionalized Diamond Nanoparticles. <i>In Vivo</i> Studies Based on [¹⁸ F]-Radionuclide Emission. <i>ACS Nano</i> , 2011, 5, 5552-5559.	7.3	138
65	Positron Emission Tomographic Imaging of the Cannabinoid Type 1 Receptor System with [¹¹ C]-OMAR ([¹¹ C]-JHU75528): Improvements in Image Quantification Using Wild-Type and Knockout Mice. <i>Molecular Imaging</i> , 2011, 10, 7290.2011.00019.	0.7	7
66	Improvement of cognitive flexibility and cingulate blood flow correlates after atypical antipsychotic treatment in drug-naïve patients with first-episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 205-211.	0.9	14
67	[¹¹ C]-DASB microPET imaging in the aged rat: Frontal and meso-thalamic increases in serotonin transporter binding. <i>Experimental Gerontology</i> , 2011, 46, 1020-1025.	1.2	8
68	Simultaneous Dual-tracer PET Imaging of the Rat Brain and its Application in the Study of Cerebral Ischemia. <i>Molecular Imaging and Biology</i> , 2011, 13, 500-510.	1.3	19
69	Evaluation of Hypoxic Tissue Dynamics with [¹⁸ F]-FMISO PET in a Rat Model of Permanent Cerebral Ischemia. <i>Molecular Imaging and Biology</i> , 2011, 13, 558-564.	1.3	7
70	Unique distribution of aromatase in the human brain: In vivo studies with PET and [¹¹ C]-methyl-vorozole. <i>Synapse</i> , 2010, 64, 801-807.	0.6	98
71	Depressed Glucose Consumption at Reperfusion following Brain Ischemia does not Correlate with Mitochondrial Dysfunction and Development of Infarction: An in vivo Positron Emission Tomography Study. <i>Current Neurovascular Research</i> , 2009, 6, 82-88.	0.4	23
72	Synthesis and PET studies of [¹¹ C]-cyano]letrozole (Femara), an aromatase inhibitor drug. <i>Nuclear Medicine and Biology</i> , 2009, 36, 215-223.	0.3	33

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73	Quantification of dopaminergic neurotransmission SPECT studies with ¹²³ I-labelled radioligands. A comparison between different imaging systems and data acquisition protocols using Monte Carlo simulation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 1334-1342.	3.3	38
74	Assessment of SPM in Perfusion Brain SPECT Studies. A Numerical Simulation Study Using Bootstrap Resampling Methods. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 1849-1853.	2.5	11
75	Fluorodeoxyglucose-PET study in first-episode schizophrenic patients during the hallucinatory state, after remission and during linguistic auditory activation. <i>Nuclear Medicine Communications</i> , 2008, 29, 894-900.	0.5	29
76	Imaging Brain Inflammation with [¹¹ C]PK11195 by PET and Induction of the Peripheral-Type Benzodiazepine Receptor after Transient Focal Ischemia in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1975-1986.	2.4	137
77	Synthesis and evaluation of inhaled [¹¹ C]butane and intravenously injected [¹¹ C]acetone as potential radiotracers for studying inhalant abuse. <i>Nuclear Medicine and Biology</i> , 2005, 32, 201-208.	0.3	28
78	Modeling and analysis of PET studies with norepinephrine transporter ligands: the search for a reference region. <i>Nuclear Medicine and Biology</i> , 2005, 32, 531-542.	0.3	32
79	Absolute quantification in dopaminergic neurotransmission SPECT using a Monte Carlo-based scatter correction and fully 3-dimensional reconstruction. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1497-504.	2.8	23
80	6-[¹⁸ F]Fluoro-A-85380, a new PET tracer for the nicotinic acetylcholine receptor: Studies in the human brain and in vivo demonstration of specific binding in white matter. <i>Synapse</i> , 2004, 53, 184-189.	0.6	89
81	Iterative reconstruction with correction of the spatially variant fan-beam collimator response in neurotransmission SPET imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2003, 30, 1322-1329.	3.3	30
82	Characterisation of fan-beam collimators. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2001, 28, 144-149.	2.2	26