

Alberto Bizzi

List of Publications by Year in descending order

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94
papers

6,754
citations

76196

40
h-index

64668

79
g-index

100
all docs

100
docs citations

100
times ranked

9291
citing authors

#	ARTICLE	IF	CITATIONS
1	Atlasing location, asymmetry and inter-subject variability of white matter tracts in the human brain with MR diffusion tractography. <i>NeuroImage</i> , 2011, 54, 49-59.	2.1	576
2	Clinical Proton MR Spectroscopy in Central Nervous System Disorders. <i>Radiology</i> , 2014, 270, 658-679.	3.6	524
3	Mapping of brain tumor metabolites with proton MR spectroscopic imaging: clinical relevance.. <i>Radiology</i> , 1992, 185, 675-686.	3.6	345
4	Sporadic human prion diseases: molecular insights and diagnosis. <i>Lancet Neurology</i> , The, 2012, 11, 618-628.	4.9	319
5	Methodological consensus on clinical proton MRS of the brain: Review and recommendations. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 527-550.	1.9	280
6	Age-related Iron Deposition in the Basal Ganglia: Quantitative Analysis in Healthy Subjects. <i>Radiology</i> , 2009, 252, 165-172.	3.6	266
7	Metabolism of human gliomas: assessment with H-1 MR spectroscopy and F-18 fluorodeoxyglucose PET.. <i>Radiology</i> , 1990, 177, 633-641.	3.6	251
8	Magnetic resonance imaging pattern recognition in hypomyelinating disorders. <i>Brain</i> , 2010, 133, 2971-2982.	3.7	247
9	Presurgical Functional MR Imaging of Language and Motor Functions: Validation with Intraoperative Electrocortical Mapping. <i>Radiology</i> , 2008, 248, 579-589.	3.6	243
10	Beyond cortical localization in clinico-anatomical correlation. <i>Cortex</i> , 2012, 48, 1262-1287.	1.1	215
11	Prognostic factors for survival in 676 consecutive patients with newly diagnosed primary glioblastoma. <i>Neuro-Oncology</i> , 2008, 10, 79-87.	0.6	172
12	Aluminum effect on slow axonal transport: a novel impairment of neurofilament transport. <i>Journal of Neuroscience</i> , 1984, 4, 722-731.	1.7	156
13	Role of iron and ferritin in MR imaging of the brain: a study in primates at different field strengths.. <i>Radiology</i> , 1990, 177, 59-65.	3.6	136
14	Hereditary spastic paraplegia is a novel phenotype for GJA12/GJC2 mutations. <i>Brain</i> , 2009, 132, 426-438.	3.7	135
15	A comparison of tau and 14-3-3 protein in the diagnosis of Creutzfeldt-Jakob disease. <i>Neurology</i> , 2012, 79, 547-552.	1.5	133
16	Tailoring neurophysiological strategies with clinical context enhances resection and safety and expands indications in gliomas involving motor pathways. <i>Neuro-Oncology</i> , 2014, 16, 1110-1128.	0.6	127
17	The CONNECT project: Combining macro- and micro-structure. <i>NeuroImage</i> , 2013, 80, 273-282.	2.1	121
18	Diffusion Tensor Imaging Shows Different Topographic Involvement of the Thalamus in Progressive Supranuclear Palsy and Corticobasal Degeneration. <i>American Journal of Neuroradiology</i> , 2009, 30, 1482-1487.	1.2	105

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19	Phosphorylation of neurofilaments is altered in aluminium intoxication. <i>Acta Neuropathologica</i> , 1986, 71, 154-158.	3.9	97
20	GJA12 mutations in children with recessive hypomyelinating leukoencephalopathy. <i>Neurology</i> , 2006, 67, 273-279.	1.5	95
21	Mapping the brain network of the phonological loop. <i>Human Brain Mapping</i> , 2017, 38, 3011-3024.	1.9	94
22	X-linked creatine deficiency syndrome: A novel mutation in creatine transporter gene SLC6A8. <i>Annals of Neurology</i> , 2002, 52, 227-231.	2.8	92
23	Hereditary Cerebral Hemorrhage With Amyloidosis Associated With the E693K Mutation of APP. <i>Archives of Neurology</i> , 2010, 67, 987-95.	4.9	87
24	Aphasia induced by gliomas growing in the ventrolateral frontal region: Assessment with diffusion MR tractography, functional MR imaging and neuropsychology. <i>Cortex</i> , 2012, 48, 255-272.	1.1	84
25	Natural history and management of brainstem gliomas in adults. <i>Journal of Neurology</i> , 2008, 255, 171-177.	1.8	82
26	Prognostic value of molecular and imaging biomarkers in patients with supratentorial glioma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1155-1164.	3.3	76
27	Absolute Quantitation of Short TE Brain 1H-MR Spectra and Spectroscopic Imaging Data. <i>Journal of Computer Assisted Tomography</i> , 1993, 17, 191-199.	0.5	75
28	Cerebral White Matter Involvement in Children with Mitochondrial Encephalopathies. <i>Neuropediatrics</i> , 2002, 33, 79-85.	0.3	74
29	Effects of riboflavin in children with complex II deficiency. <i>Brain and Development</i> , 2006, 28, 576-581.	0.6	74
30	Advanced magnetic resonance spectroscopic neuroimaging: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4309.	1.6	72
31	Brain Gliomas: Multicenter Standardized Assessment of Dynamic Contrast-enhanced and Dynamic Susceptibility Contrast MR Images. <i>Radiology</i> , 2018, 287, 933-943.	3.6	70
32	Asthma control in patients receiving inhaled corticosteroid and long-acting beta2-agonist fixed combinations. A real-life study comparing dry powder inhalers and a pressurized metered dose inhaler extrafine formulation. <i>BMC Pulmonary Medicine</i> , 2011, 11, 40.	0.8	69
33	A family with Alzheimer disease and strokes associated with A713T mutation of the APP gene. <i>Neurology</i> , 2004, 63, 910-912.	1.5	66
34	Response of non-Hodgkin lymphoma to radiation therapy: early and long-term assessment with H-1 MR spectroscopic imaging. <i>Radiology</i> , 1995, 194, 271-276.	3.6	65
35	Long-term proper name anomia after removal of the uncinate fasciculus. <i>Brain Structure and Function</i> , 2016, 221, 687-694.	1.2	62
36	Uncertainty modelling in deep learning for safer neuroimage enhancement: Demonstration in diffusion MRI. <i>NeuroImage</i> , 2021, 225, 117366.	2.1	59

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37	Pontine lesions in idiopathic narcolepsy. <i>Neurology</i> , 1996, 46, 1250-1250.	1.5	49
38	Axonal transport of two major components of the ubiquitin system: free ubiquitin and ubiquitin carboxyl-terminal hydrolase PGP 9.5. <i>Brain Research</i> , 1991, 548, 292-299.	1.1	48
39	Classification of Childhood White Matter Disorders Using Proton MR Spectroscopic Imaging. <i>American Journal of Neuroradiology</i> , 2008, 29, 1270-1275.	1.2	46
40	Evaluation of a New Criterion for Detecting Prion Disease With Diffusion Magnetic Resonance Imaging. <i>JAMA Neurology</i> , 2020, 77, 1141.	4.5	46
41	Quantitative MR Spectroscopic Imaging of Brain Lesions in Patients with AIDS. <i>Academic Radiology</i> , 2002, 9, 398-409.	1.3	42
42	Investigation on the role of integrated PET/MRI for target volume definition and radiotherapy planning in patients with high grade glioma. <i>Radiotherapy and Oncology</i> , 2014, 112, 425-429.	0.3	42
43	Brownâ€“Vialetoâ€“van Laere and Fazioâ€“Londe overlap syndromes: A clinical, biochemical and genetic study. <i>Neuromuscular Disorders</i> , 2012, 22, 1075-1082.	0.3	36
44	Hemophagocytic lymphohistiocytosis with neurological presentation: MRI findings and a nearly miss diagnosis. <i>Neurological Sciences</i> , 2011, 32, 473-477.	0.9	35
45	Brainstem encephalitis resulting from Epstein-Barr virus mimicking an infiltrating tumor in a child. <i>Pediatric Neurology</i> , 2000, 22, 130-132.	1.0	33
46	Interrater Agreement for Final Infarct MRI Lesion Delineation. <i>Stroke</i> , 2009, 40, 3768-3771.	1.0	33
47	Consequences of brain tumour resection on emotion recognition. <i>Journal of Neuropsychology</i> , 2019, 13, 1-21.	0.6	33
48	Basic concepts of advanced MRI techniques. <i>Neurological Sciences</i> , 2008, 29, 290-295.	0.9	31
49	Prediction of Isocitrate Dehydrogenase Genotype in Brain Gliomas with MRI: Single-Shell versus Multishell Diffusion Models. <i>Radiology</i> , 2018, 289, 788-796.	3.6	31
50	Presurgical Mapping of Verbal Language in Brain Tumors with Functional MR Imaging and MR Tractography. <i>Neuroimaging Clinics of North America</i> , 2009, 19, 573-596.	0.5	30
51	Subtype Diagnosis of Sporadic <sc>Creutzfeldtâ€“Jakob</sc> Disease with Diffusion <sc>Magnetic Resonance Imaging</sc>. <i>Annals of Neurology</i> , 2021, 89, 560-572.	2.8	30
52	Proton spectroscopic imaging of human brain. <i>Journal of Magnetic Resonance</i> , 1992, 98, 556-575.	0.5	29
53	Visual neglect as a disconnection syndrome? A confirmatory case report. <i>Neurocase</i> , 2013, 19, 351-359.	0.2	28
54	Prion propagation estimated from brain diffusion MRI is subtype dependent in sporadic Creutzfeldtâ€“Jakob disease. <i>Acta Neuropathologica</i> , 2020, 140, 169-181.	3.9	28

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55	Cerebral White Matter in the Centrum Semiovale Exhibits a Larger N-acetyl Signal than Does Gray Matter in Long Echo Time 1H-Magnetic Resonance Spectroscopic Imaging. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 127-133.	1.9	27
56	Myoclonus in Creutzfeldtâ€”Jakob disease: Polygraphic and videoâ€”electroencephalography assessment of 109 patients. <i>Movement Disorders</i> , 2010, 25, 2818-2827.	2.2	27
57	Comparison of T1 mapping and fixed T1 method for dynamic contrast-enhanced MRI perfusion in brain gliomas. <i>European Radiology</i> , 2019, 29, 3467-3479.	2.3	22
58	Fluorodeoxyglucose Positron Emission Tomography (FDG-PET) Correlation of Histopathology and MRI in Prion Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2017, 31, 1-7.	0.6	20
59	Consciousness Disturbances in Megalencephalic Leukoencephalopathy with Subcortical Cysts. <i>Neuropediatrics</i> , 2003, 34, 211-214.	0.3	19
60	In Silico Mathematical Modelling for Glioblastoma: A Critical Review and a Patient-Specific Case. <i>Journal of Clinical Medicine</i> , 2021, 10, 2169.	1.0	19
61	The neuropsychological and neuroradiological correlates of slowly progressive visual agnosia. <i>Neurological Sciences</i> , 2009, 30, 123-131.	0.9	17
62	Multifocal angiomyolipoma in a patient with tuberous sclerosis. <i>Clinical Imaging</i> , 1996, 20, 99-102.	0.8	16
63	Imaging focal reperfusion injury following global ischemia with diffusion-weighted magnetic resonance imaging and 1H-Magnetic Resonance Spectroscopy. <i>Magnetic Resonance Imaging</i> , 1996, 14, 581-592.	1.0	16
64	Scurvy hidden behind neuropsychiatric symptoms. <i>Neurological Sciences</i> , 2011, 32, 1091-1093.	0.9	16
65	Disentangling subgroups of participants recruiting shared as well as different brain regions for the execution of the verb generation task: A data-driven fMRI study. <i>Cortex</i> , 2017, 86, 247-259.	1.1	16
66	Bio-Image Warehouse System: Concept and Implementation of a Diagnosis-Based Data Warehouse for Advanced Imaging Modalities in Neuroradiology. <i>Journal of Digital Imaging</i> , 2007, 20, 32-41.	1.6	13
67	Magnetic Resonance Imaging in Alzheimerâ€™s Disease: from Diagnosis to Monitoring Treatment Effect. <i>Current Alzheimer Research</i> , 2012, 9, 1198-1209.	0.7	12
68	Iatrogenic Creutzfeldt-Jakob Disease from Commercial Cadaveric Human Growth Hormone. <i>Emerging Infectious Diseases</i> , 2013, 19, 682-684.	2.0	12
69	Mathematical models for the diffusion magnetic resonance signal abnormality in patients with prion diseases. <i>NeuroImage: Clinical</i> , 2015, 7, 142-154.	1.4	12
70	Elevating tensor rank increases anisotropy in brain areas associated with intra-voxel orientational heterogeneity (IVOH): a generalised DTI (GDTI) study. <i>NMR in Biomedicine</i> , 2008, 21, 2-14.	1.6	7
71	Amended diagnostic protocol increases the early diagnosis of sporadic Creutzfeldt-Jakob disease. <i>Neurology</i> , 2018, 91, 155-156.	1.5	7
72	Cerebral blood flow in experimental ischemia assessed by 19F magnetic resonance spectroscopy in cats. <i>Stroke</i> , 1990, 21, 1439-1444.	1.0	6

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73	Clinico-anatomical correlation in gliomas: A new frontier in clinical neuroscience?. Cortex, 2011, 47, 1013-1015.	1.1	6
74	Unusual Case of Sporadic Creutzfeldtâ€“Jakob Disease Subtype VV1. Journal of Neuropsychiatry and Clinical Neurosciences, 2015, 27, e172-e173.	0.9	3
75	Diffusion Imaging with MR Tractography for Brain Tumor Surgery. Medical Radiology, 2015, , 179-228.	0.0	3
76	Feasibility of Remote Assessment of Human Prion Diseases for Research and Surveillance. Dementia and Geriatric Cognitive Disorders, 2019, 47, 79-90.	0.7	3
77	Automatic identification of atypical clinical fMRI results. Neuroradiology, 2020, 62, 1677-1688.	1.1	2
78	Encefalomiopatie mitocondriali in etÃ pediatrica: Incidenza dell'accumulo di acido lattico documentato con immagini di spettroscopia RM del protone. The Neuroradiology Journal, 2001, 14, 149-152.	0.1	1
79	MR spectroscopy of inborn errors of metabolism. , 2004, , 779-804.		1
80	Mechano-Biological Features in a Patient-Specific Computational Model of Glioblastoma. Neuromethods, 2021, , 265-287.	0.2	1
81	Spectral analysis methods, quantitation, and common artifacts. , 0, , 34-50.		1
82	Is Brain MRI Unnecessary for Early-Stage Nonâ€“Small Cell Lung Cancer?. Radiology, 2022, 303, 644-645.	3.6	1
83	MRS in cerebral metabolic disorders. , 0, , 180-211.		1
84	Triorchidism in the sibling of a patient with recently diagnosed seminoma. Journal of Clinical Ultrasound, 1995, 23, 314-316.	0.4	0
85	Utilizzo intraoperatorio delle immagini di spettroscopia RM nella chirurgia dei tumori cerebrali e correlazione con la neuropatologia. The Neuroradiology Journal, 2001, 14, 9-12.	0.1	0
86	Deficit di creatina in due casi scoperti con le immagini di Spettroscopia RM del protone. The Neuroradiology Journal, 2001, 14, 145-148.	0.1	0
87	Functional MR imaging in presurgical planning. , 0, , 380-404.		0
88	Magnetic resonance spectroscopy of inborn errors of metabolism. , 0, , 823-842.		0
89	Longitudinal MR Imaging in Alzheimer Disease: A Study Anyone Can Join. Radiology, 2011, 258, 657-659.	3.6	0
90	Functional MR and Diffusion MR Imaging in Diffuse Low-Grade Gliomas. , 2013, , 301-320.		0

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91	Editorial for "Effect of DRD4 Receptor 616 C/G Polymorphism on Thalamic GABA Levels in Pediatric Patients With Primary Nocturnal Enuresis". Journal of Magnetic Resonance Imaging, 2021, 54, 1865-1866.	1.9	0
92	Introduction to MR spectroscopy in vivo. , 2009, , 1-18.		0
93	MRS in stroke and hypoxic-ischemic encephalopathy. , 2009, , 91-109.		0
94	MRS in infectious, inflammatory, and demyelinating lesions. , 0, , 110-130.		0