Enrico De Vita

List of Publications by Year
in descending order

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85 papers	3,603 citations	172457 29 h-index	144013 57 g-index
91 all docs	91 docs citations	91 times ranked	5793 citing authors

#	Article	IF	Citations
1	Presymptomatic cognitive and neuroanatomical changes in genetic frontotemporal dementia in the Genetic Frontotemporal dementia Initiative (GENFI) study: a cross-sectional analysis. Lancet Neurology, The, 2015, 14, 253-262.	10.2	432
2	Post-mortem MRI versus conventional autopsy in fetuses and children: a prospective validation study. Lancet, The, 2013, 382, 223-233.	13.7	249
3	Mural Inflammation in Crohn Disease: Location-Matched Histologic Validation of MR Imaging Features. Radiology, 2009, 252, 712-720.	7.3	233
4	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. NeuroImage, 2017, 158, 332-345.	4.2	197
5	Voxel-based cortical thickness measurements in MRI. NeuroImage, 2008, 40, 1701-1710.	4.2	186
6	Connectivity derived thalamic segmentation in deep brain stimulation for tremor. NeuroImage: Clinical, 2018, 18, 130-142.	2.7	154
7	Evaluation of mutant huntingtin and neurofilament proteins as potential markers in Huntingtonâ€™s disease. Science Translational Medicine, 2018, 10, .	12.4	134
8	Pediatric and Adolescent Lymphoma:Comparison of Whole-Body STIR Half-Fourier RARE MR Imaging with an Enhanced PET/CT Reference for Initial Staging<sup />. Radiology, 2010, 255, 182-190.	7.3	132
9	Mural Crohn Disease: Correlation of Dynamic Contrast-enhanced MR Imaging Findings with Angiogenesis and Inflammation at Histologic Examinationâ€”Pilot Study. Radiology, 2009, 251, 369-379.	7.3	122
10	Xenon augmented hypothermia reduces early lactate/Nâ€acetylaspartate and cell death in perinatal asphyxia. Annals of Neurology, 2011, 70, 133-150.	5.3	106
11	â€œTherapeutic time windowâ€•duration decreases with increasing severity of cerebral hypoxiaâ€“ischaemia under normothermia and delayed hypothermia in newborn piglets. Brain Research, 2007, 1154, 173-180.	2.2	100
12	Glaucoma and the brain: Trans-synaptic degeneration, structural change, and implications for neuroprotection. Survey of Ophthalmology, 2018, 63, 296-306.	4.0	84
13	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	4.2	80
14	Memory in multiple sclerosis is linked to glutamate concentration in grey matter regions. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 833-839.	1.9	77
15	Cerebral metabolism and perfusion in MR-negative individuals with refractory focal epilepsy assessed by simultaneous acquisition of 18 F-FDG PET and arterial spin labeling. NeuroImage: Clinical, 2016, 11, 648-657.	2.7	67
16	Study protocol: Insight 46 â€“ a neuroscience sub-study of the MRC National Survey of Health and Development. BMC Neurology, 2017, 17, 75.	1.8	64
17	Mutant huntingtin and neurofilament light have distinct longitudinal dynamics in Huntingtonâ€™s disease. Science Translational Medicine, 2020, 12, .	12.4	64
18	Depth of delayed cooling alters neuroprotection pattern after hypoxia-ischemia. Annals of Neurology, 2005, 58, 75-87.	5.3	62

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19	Delayed Whole-Body Cooling to 33 or 35ÂC and the Development of Impaired Energy Generation Consequential to Transient Cerebral Hypoxia-Ischemia in the Newborn Piglet. Pediatrics, 2006, 117, 1549-1559.	2.1	59
20	High-resolution fast spin echo imaging of the human brain at 4.7 T: Implementation and sequence characteristics. Magnetic Resonance in Medicine, 2004, 51, 1254-1264.	3.0	53
21	Evaluation of segmented 3D acquisition schemes for wholeâ€brain highâ€resolution arterial spin labeling at 3â€‰T. NMR in Biomedicine, 2014, 27, 1387-1396.	2.8	50
22	Low Myoâ€inositol indicating astrocytic damage in a case series of neuromyelitis optica. Annals of Neurology, 2013, 74, 301-305.	5.3	44
23	T2 at MR Imaging Is an Objective Quantitative Measure of Cerebral White Matter Signal Intensity Abnormality in Preterm Infants at Term-equivalent Age. Radiology, 2009, 252, 209-217.	7.3	43
24	Comparison of arterial spin labeling registration strategies in the multiâ€center GENetic frontotemporal dementia initiative (GENFI). Journal of Magnetic Resonance Imaging, 2018, 47, 131-140.	3.4	41
25	Cerebral perfusion changes in presymptomatic genetic frontotemporal dementia: a GENFI study. Brain, 2019, 142, 1108-1120.	7.6	41
26	Supra- and sub-baseline phosphocreatine recovery in developing brain after transient hypoxia-ischaemia: relation to baseline energetics, insult severity and outcome. Brain, 2008, 131, 2220-2226.	7.6	39
27	<scp>l</scp>-Dopa responsiveness is associated with distinctive connectivity patterns in advanced Parkinson's disease. Movement Disorders, 2017, 32, 874-883.	3.9	37
28	Spectral Editing in 13C MAS NMR under Moderately Fast Spinning Conditions. Journal of Magnetic Resonance, 2001, 148, 327-337.	2.1	33
29	3D MDEFT imaging of the human brain at 4.7 T with reduced sensitivity to radiofrequency inhomogeneity. Magnetic Resonance in Medicine, 2005, 53, 1452-1458.	3.0	33
30	Post-mortem cerebral magnetic resonance imaging T1 and T2 in fetuses, newborns and infants. European Journal of Radiology, 2012, 81, e232-e238.	2.6	29
31	NiftyFit: a Software Package for Multi-parametric Model-Fitting of 4D Magnetic Resonance Imaging Data. Neuroinformatics, 2016, 14, 319-337.	2.8	29
32	B0dependence of the on-resonance longitudinal relaxation time in the rotating frame (T1ϱ) in protein phantoms and rat brain in vivo. Magnetic Resonance in Medicine, 2004, 51, 4-8.	3.0	26
33	Cerebrospinal fluid neurogranin and TREM2 in Huntingtonâ€™s disease. Scientific Reports, 2018, 8, 4260.	3.3	25
34	The cognitive profile of prion disease: a prospective clinical and imaging study. Annals of Clinical and Translational Neurology, 2015, 2, 548-558.	3.7	24
35	Improving whole brain structural MRI at 4.7 Tesla using 4 irregularly shaped receiver coils. NeuroImage, 2006, 32, 1176-1184.	4.2	23
36	Systematic evaluation of velocityâ€selective arterial spin labeling settings for placental perfusion measurement. Magnetic Resonance in Medicine, 2020, 84, 1828-1843.	3.0	23

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37	EPI distortion correction from a simultaneously acquired distortion map using TRAIL. Journal of Magnetic Resonance Imaging, 2006, 23, 597-603.	3.4	21
38	Effects of systematic partial volume errors on the estimation of gray matter cerebral blood flow with arterial spin labeling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 725-734.	2.0	20
39	Perfusion and apparent oxygenation in the human placenta (PERFOX). Magnetic Resonance in Medicine, 2020, 83, 549-560.	3.0	20
40	Characterizing White Matter in Huntington's Disease. Movement Disorders Clinical Practice, 2020, 7, 52-60.	1.5	20
41	Regional neonatal brain absolute thermometry by ¹H MRS. NMR in Biomedicine, 2013, 26, 416-423.	2.8	19
42	Metabolic Changes in the Spinal Cord After Brachial Plexus Root Re-implantation. Neurorehabilitation and Neural Repair, 2013, 27, 118-124.	2.9	18
43	Kynurenine pathway metabolites in cerebrospinal fluid and blood as potential biomarkers in Huntington's disease. Journal of Neurochemistry, 2021, 158, 539-553.	3.9	18
44	A wide field-of-view, modular, high-density diffuse optical tomography system for minimally constrained three-dimensional functional neuroimaging. Biomedical Optics Express, 2020, 11, 4110.	2.9	17
45	Robust kidney perfusion mapping in pediatric chronic kidney disease using singleâ€shot 3Dâ€GRASE ASL with optimized retrospective motion correction. Magnetic Resonance in Medicine, 2018, 81, 2972-2984.	3.0	16
46	Arterial Spin Labeling Reveals Disrupted Brain Networks and Functional Connectivity in Drug-Resistant Temporal Epilepsy. Frontiers in Neuroinformatics, 2018, 12, 101.	2.5	16
47	Hybrid PET/MRI Methodology. International Review of Neurobiology, 2018, 141, 97-128.	2.0	15
48	High b-value diffusion-weighted imaging in progressive multifocal leukoencephalopathy in HIV patients. European Radiology, 2017, 27, 3593-3599.	4.5	13
49	Implementation of clinically relevant and robust fMRI-based language lateralization: Choosing the laterality index calculation method. PLoS ONE, 2020, 15, e0230129.	2.5	13
50	Simultaneous quantification of GABA, Glx and GSH in the neonatal human brain using magnetic resonance spectroscopy. NeuroImage, 2021, 233, 117930.	4.2	13
51	Brain-derived neurotrophic factor in cerebrospinal fluid and plasma is not a biomarker for Huntingtonâ€™s disease. Scientific Reports, 2021, 11, 3481.	3.3	12
52	Magnetic Resonance Imaging of Neonatal Encephalopathy at 4.7 Tesla: Initial Experiences. Pediatrics, 2006, 118, e1812-e1821.	2.1	11
53	Reduced acquisition time PET pharmacokinetic modelling using simultaneous ASLâ€“MRI: proof of concept. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2419-2432.	4.3	11
54	Are Dynamic Arterial Spin-Labeling MRA and Time-Resolved Contrast-Enhanced MRA Suited for Confirmation of Obliteration following Gamma Knife Radiosurgery of Brain Arteriovenous Malformations?. American Journal of Neuroradiology, 2021, 42, 671-678.	2.4	11

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55	Method for spatially interleaving two images to halve EPI readout times: Two reduced acquisitions interleaved (TRAIL). Magnetic Resonance in Medicine, 2004, 51, 1212-1222.	3.0	10
56	Multi-modal Measurement of the Myelin-to-Axon Diameter g-ratio in Preterm-born Neonates and Adult Controls. Lecture Notes in Computer Science, 2014, 17, 268-275.	1.3	10
57	A novel use of arterial spin labelling MRI to demonstrate focal hypoperfusion in individuals with posterior cortical atrophy: a multimodal imaging study. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1032-1034.	1.9	9
58	Objective Bayesian fMRI analysisÃ¢â‚¬â€ pilot study in different clinical environments. Frontiers in Neuroscience, 2015, 9, 168.	2.8	8
59	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. NeuroImage: Clinical, 2017, 13, 89-96.	2.7	8
60	Uncertainty analysis of MR-PET image registration for precision neuro-PET imaging. NeuroImage, 2021, 232, 117821.	4.2	8
61	Neurometabolite mapping highlights elevated myo-inositol profiles within the developing brain in down syndrome. Neurobiology of Disease, 2021, 153, 105316.	4.4	8
62	Common SENSE (sensitivity encoding using hardware common to all MR scanners): A new method for single-shot segmented echo planar imaging. Magnetic Resonance in Medicine, 2005, 54, 402-410.	3.0	7
63	Prion disease diagnosis using subject-specific imaging biomarkers within a multi-kernel Gaussian process. NeuroImage: Clinical, 2019, 24, 102051.	2.7	7
64	Dataâ€driven motionâ€corrected brain <scp>MRI</scp> incorporating poseâ€dependent <scp>B₀</scp> fields. Magnetic Resonance in Medicine, 2022, 88, 817-831.	3.0	7
65	Magnetisation transfer effects of Q2TIPS pulses in ASL. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 113-126.	2.0	6
66	Sulcal Segmentation for Cortical Thickness Measurements. Lecture Notes in Computer Science, 2002, , 443-450.	1.3	6
67	Cerebrospinal fluid flow dynamics in Huntington's disease evaluated by phase contrast <scp>MRI</scp>. European Journal of Neuroscience, 2019, 49, 1632-1639.	2.6	5
68	Motionâ€corrected and highâ€resolution anatomically assisted (MOCHA) reconstruction of arterial spin labeling MRI. Magnetic Resonance in Medicine, 2020, 84, 1306-1320.	3.0	4
69	Planning of gamma knife radiosurgery (GKR) for brain arteriovenous malformations using triple magnetic resonance angiography (triple-MRA). British Journal of Neurosurgery, 2022, 36, 217-227.	0.8	3
70	Edited magnetic resonance spectroscopy in the neonatal brain. Neuroradiology, 2022, 64, 217-232.	2.2	2
71	Doubling the resolution of echo-planar brain imaging by acquisition of two k-space lines per gradient reversal using TRAIL. NMR in Biomedicine, 2008, 21, 79-88.	2.8	1
72	Putaminal diffusion tensor imaging measures predict disease severity across human prion diseases. Brain Communications, 2020, 2, fcaa032.	3.3	1

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73	Reproducibility of MRI-based white matter tract estimation using multi-fiber probabilistic tractography: effect of user-defined parameters and regions. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 365-373.	2.0	1
74	Principles of magnetic resonance imaging and spectroscopy. , 2008, , 22-44.		0
75	Single Voxel MR Spectroscopy in the Spinal Cord. , 2014, , 267-290.		0
76	D09â€…Parallel evaluation of mutant huntingtin and neurofilament light as biomarkers for huntingtonâ€™s disease: the hd-csf study. , 2018, , .		0
77	Perfusion-based Brain Connectivity: PASL vs pCASL. , 2019, , .		0
78	Arterial Spin Labeled Perfusion MRI for Assessing Antiangiogenic Therapy: A Step Forward or Just More Spin?. Radiology, 2021, 298, 341-342.	7.3	0
79	Imaging biomarkers for the diagnosis of Prion disease. , 2018, , .		0
80	E07â€…Cerebrospinal fluid flow dynamics in huntingtonâ€™s disease using phase contrast MRI: a pilot cross-sectional study. , 2018, , .		0
81	Repeatability of perfusion measurements in adult gliomas using pulsed and pseudo-continuous arterial spin labelling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 113-125.	2.0	0
82	Title is missing!. , 2020, 15, e0230129.		0
83	Title is missing!. , 2020, 15, e0230129.		0
84	Title is missing!. , 2020, 15, e0230129.		0
85	Title is missing!. , 2020, 15, e0230129.		0