

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	Planning of gamma knife radiosurgery (GKR) for brain arteriovenous malformations using triple magnetic resonance angiography (triple-MRA). <i>British Journal of Neurosurgery</i> , 2022, 36, 217-227.	0.8	3
2	Reproducibility of MRI-based white matter tract estimation using multi-fiber probabilistic tractography: effect of user-defined parameters and regions. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 365-373.	2.0	1
3	Edited magnetic resonance spectroscopy in the neonatal brain. <i>Neuroradiology</i> , 2022, 64, 217-232.	2.2	2
4	Repeatability of perfusion measurements in adult gliomas using pulsed and pseudo-continuous arterial spin labelling MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 113-125.	2.0	0
5	Data-driven motion-corrected brain MRI incorporating pose-dependent fields. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 817-831.	3.0	7
6	Arterial Spin Labeled Perfusion MRI for Assessing Antiangiogenic Therapy: A Step Forward or Just More Spin?. <i>Radiology</i> , 2021, 298, 341-342.	7.3	0
7	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?. <i>American Journal of Neuroradiology</i> , 2021, 42, 671-678.	2.4	11
8	Brain-derived neurotrophic factor in cerebrospinal fluid and plasma is not a biomarker for Huntington's disease. <i>Scientific Reports</i> , 2021, 11, 3481.	3.3	12
9	Uncertainty analysis of MR-PET image registration for precision neuro-PET imaging. <i>NeuroImage</i> , 2021, 232, 117821.	4.2	8
10	Kynurenine pathway metabolites in cerebrospinal fluid and blood as potential biomarkers in Huntington's disease. <i>Journal of Neurochemistry</i> , 2021, 158, 539-553.	3.9	18
11	Neurometabolite mapping highlights elevated myo-inositol profiles within the developing brain in down syndrome. <i>Neurobiology of Disease</i> , 2021, 153, 105316.	4.4	8
12	Simultaneous quantification of GABA, Glx and GSH in the neonatal human brain using magnetic resonance spectroscopy. <i>NeuroImage</i> , 2021, 233, 117930.	4.2	13
13	Perfusion and apparent oxygenation in the human placenta (PERFOX). <i>Magnetic Resonance in Medicine</i> , 2020, 83, 549-560.	3.0	20
14	Characterizing White Matter in Huntington's Disease. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 52-60.	1.5	20
15	Putaminal diffusion tensor imaging measures predict disease severity across human prion diseases. <i>Brain Communications</i> , 2020, 2, fcaa032.	3.3	1
16	Mutant huntingtin and neurofilament light have distinct longitudinal dynamics in Huntington's disease. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	64
17	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. <i>NeuroImage</i> , 2020, 219, 117031.	4.2	80
18	Systematic evaluation of velocity-selective arterial spin labeling settings for placental perfusion measurement. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1828-1843.	3.0	23

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19	Implementation of clinically relevant and robust fMRI-based language lateralization: Choosing the laterality index calculation method. PLoS ONE, 2020, 15, e0230129.	2.5	13
20	Motion-corrected and high-resolution anatomically assisted (MOCHA) reconstruction of arterial spin labeling MRI. Magnetic Resonance in Medicine, 2020, 84, 1306-1320.	3.0	4
21	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
22	Title is missing!. , 2020, 15, e0230129.		0
23	Title is missing!. , 2020, 15, e0230129.		0
24	Title is missing!. , 2020, 15, e0230129.		0
25	Title is missing!. , 2020, 15, e0230129.		0
26	Prion disease diagnosis using subject-specific imaging biomarkers within a multi-kernel Gaussian process. NeuroImage: Clinical, 2019, 24, 102051.	2.7	7
27	Cerebrospinal fluid flow dynamics in Huntington's disease evaluated by phase contrast MRI. European Journal of Neuroscience, 2019, 49, 1632-1639.	2.6	5
28	Cerebral perfusion changes in presymptomatic genetic frontotemporal dementia: a GENFI study. Brain, 2019, 142, 1108-1120.	7.6	41
29	Perfusion-based Brain Connectivity: PASL vs pCASL. , 2019, , .		0
30	Reduced acquisition time PET pharmacokinetic modelling using simultaneous ASL-MRI: proof of concept. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2419-2432.	4.3	11
31	Connectivity derived thalamic segmentation in deep brain stimulation for tremor. NeuroImage: Clinical, 2018, 18, 130-142.	2.7	154
32	Cerebrospinal fluid neurogranin and TREM2 in Huntington's disease. Scientific Reports, 2018, 8, 4260.	3.3	25
33	Comparison of arterial spin labeling registration strategies in the multi-center GENetic frontotemporal dementia initiative (GENFI). Journal of Magnetic Resonance Imaging, 2018, 47, 131-140.	3.4	41
34	Glaucoma and the brain: Trans-synaptic degeneration, structural change, and implications for neuroprotection. Survey of Ophthalmology, 2018, 63, 296-306.	4.0	84
35	Parallel evaluation of mutant huntingtin and neurofilament light as biomarkers for huntington's disease: the hd-csf study. , 2018, , .		0
36	Robust kidney perfusion mapping in pediatric chronic kidney disease using single-shot 3D-GRASE ASL with optimized retrospective motion correction. Magnetic Resonance in Medicine, 2018, 81, 2972-2984.	3.0	16

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37	Hybrid PET/MRI Methodology. International Review of Neurobiology, 2018, 141, 97-128.	2.0	15
38	Evaluation of mutant huntingtin and neurofilament proteins as potential markers in Huntington's disease. Science Translational Medicine, 2018, 10, .	12.4	134
39	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
40	Arterial Spin Labeling Reveals Disrupted Brain Networks and Functional Connectivity in Drug-Resistant Temporal Epilepsy. Frontiers in Neuroinformatics, 2018, 12, 101.	2.5	16
41	Imaging biomarkers for the diagnosis of Prion disease. , 2018, , .		0
42	E07...Cerebrospinal fluid flow dynamics in huntington's disease using phase contrast MRI: a pilot cross-sectional study. , 2018, , .		0
43	<scp></scp>-Dopa responsiveness is associated with distinctive connectivity patterns in advanced Parkinson's disease. Movement Disorders, 2017, 32, 874-883.	3.9	37
44	High b-value diffusion-weighted imaging in progressive multifocal leukoencephalopathy in HIV patients. European Radiology, 2017, 27, 3593-3599.	4.5	13
45	Neuroanatomical correlates of prion disease progression - a 3T longitudinal voxel-based morphometry study. NeuroImage: Clinical, 2017, 13, 89-96.	2.7	8
46	Subthalamic deep brain stimulation sweet spots and hyperdirect cortical connectivity in Parkinson's disease. NeuroImage, 2017, 158, 332-345.	4.2	197
47	Study protocol: Insight 46 " a neuroscience sub-study of the MRC National Survey of Health and Development. BMC Neurology, 2017, 17, 75.	1.8	64
48	NiftyFit: a Software Package for Multi-parametric Model-Fitting of 4D Magnetic Resonance Imaging Data. Neuroinformatics, 2016, 14, 319-337.	2.8	29
49	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
50	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
51	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
52	Objective Bayesian fMRI analysis - a pilot study in different clinical environments. Frontiers in Neuroscience, 2015, 9, 168.	2.8	8
53	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
54	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

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55	Evaluation of segmented 3D acquisition schemes for whole-brain high-resolution arterial spin labeling at 3T. NMR in Biomedicine, 2014, 27, 1387-1396.	2.8	50
56	Single Voxel MR Spectroscopy in the Spinal Cord. , 2014, , 267-290.		0
57	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
58	Low Myo-inositol indicating astrocytic damage in a case series of neuromyelitis optica. Annals of Neurology, 2013, 74, 301-305.	5.3	44
59	Post-mortem MRI versus conventional autopsy in fetuses and children: a prospective validation study. Lancet, The, 2013, 382, 223-233.	13.7	249
60	Metabolic Changes in the Spinal Cord After Brachial Plexus Root Re-implantation. Neurorehabilitation and Neural Repair, 2013, 27, 118-124.	2.9	18
61	Regional neonatal brain absolute thermometry by ¹ H MRS. NMR in Biomedicine, 2013, 26, 416-423.	2.8	19
62	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
63	Magnetisation transfer effects of Q2TIPS pulses in ASL. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 113-126.	2.0	6
64	Xenon augmented hypothermia reduces early lactate/N-acetylaspartate and cell death in perinatal asphyxia. Annals of Neurology, 2011, 70, 133-150.	5.3	106
65	Pediatric and Adolescent Lymphoma: Comparison of Whole-Body STIR Half-Fourier RARE MR Imaging with an Enhanced PET/CT Reference for Initial Staging. Radiology, 2010, 255, 182-190.	7.3	132
66	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
67	Mural Crohn Disease: Correlation of Dynamic Contrast-enhanced MR Imaging Findings with Angiogenesis and Inflammation at Histologic Examination—Pilot Study. Radiology, 2009, 251, 369-379.	7.3	122
68	Mural Inflammation in Crohn Disease: Location-Matched Histologic Validation of MR Imaging Features. Radiology, 2009, 252, 712-720.	7.3	233
69	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
70	Voxel-based cortical thickness measurements in MRI. NeuroImage, 2008, 40, 1701-1710.	4.2	186
71	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
72	Principles of magnetic resonance imaging and spectroscopy. , 2008, , 22-44.		0

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73	“Therapeutic time window” duration decreases with increasing severity of cerebral hypoxia-ischaemia under normothermia and delayed hypothermia in newborn piglets. <i>Brain Research</i> , 2007, 1154, 173-180.	2.2	100
74	Improving whole brain structural MRI at 4.7 Tesla using 4 irregularly shaped receiver coils. <i>NeuroImage</i> , 2006, 32, 1176-1184.	4.2	23
75	EPI distortion correction from a simultaneously acquired distortion map using TRAIL. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 597-603.	3.4	21
76	Delayed Whole-Body Cooling to 33 or 35°C and the Development of Impaired Energy Generation Consequential to Transient Cerebral Hypoxia-Ischemia in the Newborn Piglet. <i>Pediatrics</i> , 2006, 117, 1549-1559.	2.1	59
77	Magnetic Resonance Imaging of Neonatal Encephalopathy at 4.7 Tesla: Initial Experiences. <i>Pediatrics</i> , 2006, 118, e1812-e1821.	2.1	11
78	Depth of delayed cooling alters neuroprotection pattern after hypoxia-ischemia. <i>Annals of Neurology</i> , 2005, 58, 75-87.	5.3	62
79	3D MDEFT imaging of the human brain at 4.7 T with reduced sensitivity to radiofrequency inhomogeneity. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1452-1458.	3.0	33
80	Common SENSE (sensitivity encoding using hardware common to all MR scanners): A new method for single-shot segmented echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 402-410.	3.0	7
81	B0 dependence of the on-resonance longitudinal relaxation time in the rotating frame (T1 ρ) in protein phantoms and rat brain in vivo. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 4-8.	3.0	26
82	Method for spatially interleaving two images to halve EPI readout times: Two reduced acquisitions interleaved (TRAIL). <i>Magnetic Resonance in Medicine</i> , 2004, 51, 1212-1222.	3.0	10
83	High-resolution fast spin echo imaging of the human brain at 4.7 T: Implementation and sequence characteristics. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 1254-1264.	3.0	53
84	Sulcal Segmentation for Cortical Thickness Measurements. <i>Lecture Notes in Computer Science</i> , 2002, , 443-450.	1.3	6
85	Spectral Editing in ¹³ C MAS NMR under Moderately Fast Spinning Conditions. <i>Journal of Magnetic Resonance</i> , 2001, 148, 327-337.	2.1	33