André J W Van Der Kouwe

List of Publications by Year
in descending order

99 papers	20,469 citations	116194 36 h-index	48101 92 g-index
106 all docs	106 docs citations	106 times ranked	23615 citing authors

#	Article	IF	Citations
1	Altered White Matter Tracts in the Somatosensory, Salience, Motor, and Default Mode Networks in 7-Year-Old Children Living with Human Immunodeficiency Virus: A Tractographic Analysis. Brain Connectivity, 2022, 12, 302-319.	0.8	4
2	Comparison of prospective and retrospective motion correction in 3D–encoded neuroanatomical MRI. Magnetic Resonance in Medicine, 2022, 87, 629-645.	1.9	11
3	Improving D–2–hydroxyglutarate MR spectroscopic imaging in mutant isocitrate dehydrogenase glioma patients with multiplexed RF–receive/B_0–shim array coils at 3‰T. NMR in Biomedicine, 2022, 35, e4621.	1.6	2
4	Self–navigated prospective motion correction for <scp>3D–EPI</scp> acquisition. Magnetic Resonance in Medicine, 2022, 88, 211-223.	1.9	3
5	Automated detection and reacquisition of motion–degraded images in fetal HASTE imaging at 3 T. Magnetic Resonance in Medicine, 2022, 87, 1914-1922.	1.9	11
6	Detection of astrocytic tau pathology facilitates recognition of chronic traumatic encephalopathy neuropathologic change. Acta Neuropathologica Communications, 2022, 10, 50.	2.4	13
7	Entorhinal Subfield Vulnerability to Neurofibrillary Tangles in Aging and the Preclinical Stage of Alzheimer's Disease. Journal of Alzheimer's Disease, 2022, 87, 1379-1399.	1.2	9
8	Multimodal magnetic resonance neuroimaging measures characteristic of early <scp>cART</scp>–treated pediatric <scp>HIV</scp>: A feature selection approach. Human Brain Mapping, 2022, 43, 4128-4144.	1.9	1
9	Motion correction methods for MRS: experts' consensus recommendations. NMR in Biomedicine, 2021, 34, e4364.	1.6	37
10	Real–time motion and retrospective coil sensitivity correction for CEST using volumetric navigators (vNavs) at 7T. Magnetic Resonance in Medicine, 2021, 85, 1909-1923.	1.9	9
11	Rapid head–pose detection for automated slice prescription of fetal–brain <scp>MRI</scp>. International Journal of Imaging Systems and Technology, 2021, 31, 1136-1154.	2.7	7
12	Motion–compensated 3D turbo spin–echo for more robust MR intracranial vessel wall imaging. Magnetic Resonance in Medicine, 2021, 86, 637-647.	1.9	7
13	Cortical structural changes related to early antiretroviral therapy (ART) interruption in perinatally HIV-infected children at 5 years of age. IBRO Neuroscience Reports, 2021, 10, 161-170.	0.7	4
14	Tractography-Pathology Correlations in Traumatic Brain Injury: A TRACK-TBI Study. Journal of Neurotrauma, 2021, 38, 1620-1631.	1.7	9
15	Multivariate approach for longitudinal analysis of brain metabolite levels from ages 5-11 years in children with perinatal HIV infection. NeuroImage, 2021, 237, 118101.	2.1	4
16	Maternal choline supplementation mitigates alcohol exposure effects on neonatal brain volumes. Alcoholism: Clinical and Experimental Research, 2021, 45, 1762-1774.	1.4	28
17	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. Alzheimer's and Dementia, 2021, 17, 716-725.	0.4	45
18	Intra–session and inter–subject variability of 3D–FID–MRSI using single–echo volumetric EPI navigators at 3T. Magnetic Resonance in Medicine, 2020, 83, 1920-1929.	1.9	23

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19	Correction of respiratory artifacts in MRI head motion estimates. NeuroImage, 2020, 208, 116400.	2.1	161
20	An integrated RF-receive/B0-shim array coil boosts performance of whole-brain MR spectroscopic imaging at 7ÂT. Scientific Reports, 2020, 10, 15029.	1.6	12
21	MRS suggests multi-regional inflammation and white matter axonal damage at 11Âyears following perinatal HIV infection. NeuroImage: Clinical, 2020, 28, 102505.	1.4	13
22	Serum Neurosteroid Levels Are Associated With Cortical Thickness in Individuals Diagnosed With Posttraumatic Stress Disorder and History of Mild Traumatic Brain Injury. Clinical EEG and Neuroscience, 2020, 51, 285-299.	0.9	12
23	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. PLoS ONE, 2020, 15, e0225915.	1.1	17
24	Chemical Exchange Saturation Transfer MRI Optimal Continuous Wave RF Irradiation Parameters for Glycogen (glycoCEST) Detection. Applied Magnetic Resonance, 2020, 51, 621-640.	0.6	0
25	Dynamic brain-body coupling of breath-by-breath O2-CO2 exchange ratio with resting state cerebral hemodynamic fluctuations. PLoS ONE, 2020, 15, e0238946.	1.1	8
26	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. , 2020, 15, e0225915.		0
27	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. , 2020, 15, e0225915.		0
28	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. , 2020, 15, e0225915.		0
29	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. , 2020, 15, e0225915.		0
30	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. NeuroImage, 2019, 202, 116091.	2.1	539
31	Structural and Diffusion MRI Analyses With Histological Observations in Patients With Lissencephaly. Frontiers in Cell and Developmental Biology, 2019, 7, 124.	1.8	11
32	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. Scientific Data, 2019, 6, 244.	2.4	179
33	Markerless motion tracking and correction for PET, MRI, and simultaneous PET/MRI. PLoS ONE, 2019, 14, e0215524.	1.1	31
34	Toward â€œplug and playâ€•prospective motion correction for MRI by combining observations of the time varying gradient and static vector fields. Magnetic Resonance in Medicine, 2019, 82, 1214-1228.	1.9	12
35	Markerless highâ€frequency prospective motion correction for neuroanatomical MRI. Magnetic Resonance in Medicine, 2019, 82, 126-144.	1.9	47
36	A comparison of static and dynamic ΔB_0 mapping methods for correction of CEST MRI in the presence of temporal B_0 field variations. Magnetic Resonance in Medicine, 2019, 82, 633-646.	1.9	19

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37	Maturational Changes in Human Dorsal and Ventral Visual Networks. Cerebral Cortex, 2019, 29, 5131-5149.	1.6	12
38	A Wireless Radio Frequency Triggered Acquisition Device (WRAD) for Self-Synchronised Measurements of the Rate of Change of the MRI Gradient Vector Field for Motion Tracking. IEEE Transactions on Medical Imaging, 2019, 38, 1610-1621.	5.4	16
39	The Lifespan Human Connectome Project in Aging: An overview. NeuroImage, 2019, 185, 335-348.	2.1	186
40	Real-time simultaneous shim and motion measurement and correction in glycoCEST MRI using double volumetric navigators (DvNavs). Magnetic Resonance in Medicine, 2019, 81, 2600-2613.	1.9	21
41	Whole-slice mapping of GABA and GABA+ at 7T via adiabatic MEGA-editing, real-time instability correction, and concentric circle readout. NeuroImage, 2019, 184, 475-489.	2.1	35
42	Repeatability and reproducibility of prospective motion- and shim corrected 2D glycoCEST MRI. Quantitative Imaging in Medicine and Surgery, 2019, 9, 1674-1685.	1.1	2
43	Altered brain morphometry in 7-year old HIV-infected children on early ART. Metabolic Brain Disease, 2018, 33, 523-535.	1.4	24
44	Multimodal Characterization of the Late Effects of Traumatic Brain Injury: A Methodological Overview of the Late Effects of Traumatic Brain Injury Project. Journal of Neurotrauma, 2018, 35, 1604-1619.	1.7	32
45	Dementia After Moderate-Severe Traumatic Brain Injury: Coexistence of Multiple Proteinopathies. Journal of Neuropathology and Experimental Neurology, 2018, 77, 50-63.	0.9	68
46	Prenatal methamphetamine exposure is associated with corticostriatal white matter changes in neonates. Metabolic Brain Disease, 2018, 33, 507-522.	1.4	28
47	Prenatal methamphetamine exposure is associated with reduced subcortical volumes in neonates. Neurotoxicology and Teratology, 2018, 65, 51-59.	1.2	20
48	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage, 2018, 183, 972-984.	2.1	290
49	Perinatal HIV Infection or Exposure Is Associated With Low N-Acetylaspartate and Glutamate in Basal Ganglia at Age 9 but Not 7 Years. Frontiers in Human Neuroscience, 2018, 12, 145.	1.0	16
50	A probabilistic atlas of the human thalamic nuclei combining ex vivo MRI and histology. NeuroImage, 2018, 183, 314-326.	2.1	334
51	A Method for Measuring Orientation Within a Magnetic Resonance Imaging Scanner Using Gravity and the Static Magnetic Field (VectOrient). IEEE Transactions on Medical Imaging, 2017, 36, 1129-1139.	5.4	4
52	Heavy Prenatal Alcohol Exposure is Related to Smaller Corpus Callosum in Newborn <scp>MRI</scp> Scans. Alcoholism: Clinical and Experimental Research, 2017, 41, 965-975.	1.4	62
53	Effects of tissue and gender on macromolecule suppressed gamma-aminobutyric acid. International Journal of Imaging Systems and Technology, 2017, 27, 144-152.	2.7	8
54	White Matter Abnormalities in Children with HIV Infection and Exposure. Frontiers in Neuroanatomy, 2017, 11, 88.	0.9	38

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55	Larger Subcortical Gray Matter Structures and Smaller Corpora Callosa at Age 5 Years in HIV Infected Children on Early ART. Frontiers in Neuroanatomy, 2017, 11, 95.	0.9	16
56	Longitudinal increases of brain metabolite levels in 5-10 year old children. PLoS ONE, 2017, 12, e0180973.	1.1	30
57	Functional Connectivity Alterations between Networks and Associations with Infant Immune Health within Networks in HIV Infected Children on Early Treatment: A Study at 7 Years. Frontiers in Human Neuroscience, 2017, 11, 635.	1.0	10
58	Accurate High-speed 3D-Registration of EPI vNavs for Head Motion Correction. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2017, 25, 3944.	0.5	1
59	Reproducibility of macromolecule suppressed GABA measurement using motion and shim navigated MEGA-SPECIAL with LCModel, jMRUI and GANNET. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 863-874.	1.1	21
60	Volumetric navigated MEGA-SPECIAL for real-time motion and shim corrected GABA editing. NMR in Biomedicine, 2016, 29, 248-255.	1.6	19
61	Prospective motion correction and selective reacquisition using volumetric navigators for vessel-encoded arterial spin labeling dynamic angiography. Magnetic Resonance in Medicine, 2016, 76, 1420-1430.	1.9	13
62	Effects of Resolution and Registration Algorithm on the Accuracy of EPI vNavs for Real Time Head Motion Correction in MRI. , 2016, 2016, 583-591.		3
63	Early Antiretroviral Therapy in HIV-Infected Children Is Associated with Diffuse White Matter Structural Abnormality and Corpus Callosum Sparing. American Journal of Neuroradiology, 2016, 37, 2363-2369.	1.2	36
64	Neural mechanisms of sensitivity to peer information in young adult cannabis users. Cognitive, Affective and Behavioral Neuroscience, 2016, 16, 646-661.	1.0	20
65	Longitudinal Diffusion Tensor Imaging Detects Recovery of Fractional Anisotropy Within Traumatic Axonal Injury Lesions. Neurocritical Care, 2016, 24, 342-352.	1.2	14
66	Variable activation in striatal subregions across components of a social influence task in young adult cannabis users. Brain and Behavior, 2016, 6, e00459.	1.0	20
67	Comprehensive cellular-resolution atlas of the adult human brain. Journal of Comparative Neurology, 2016, 524, Spc1.	0.9	8
68	Postmortem imaging and neuropathologic correlations. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 1321-1339.	1.0	5
69	Assessing the performance of different DTI motion correction strategies in the presence of EPI distortion correction. Human Brain Mapping, 2016, 37, 4405-4424.	1.9	45
70	Comprehensive cellular-resolution atlas of the adult human brain. Journal of Comparative Neurology, 2016, 524, 3127-3481.	0.9	302
71	Diffusion tensor imaging in acute-to-subacute traumatic brain injury: a longitudinal analysis. BMC Neurology, 2016, 16, 2.	0.8	55
72	Prospective motion correction with volumetric navigators (vNavs) reduces the bias and variance in brain morphometry induced by subject motion. NeuroImage, 2016, 127, 11-22.	2.1	109

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73	Real-time measurement and correction of both B0 changes and subject motion in diffusion tensor imaging using a double volumetric navigated (DvNav) sequence. NeuroImage, 2016, 126, 60-71.	2.1	34
74	Multi-contrast submillimetric 3‰Tesla hippocampal subfield segmentation protocol and dataset. Scientific Data, 2015, 2, 150059.	2.4	70
75	A DTI-based tractography study of effects on brain structure associated with prenatal alcohol exposure in newborns. Human Brain Mapping, 2015, 36, 170-186.	1.9	52
76	Head motion during MRI acquisition reduces gray matter volume and thickness estimates. NeuroImage, 2015, 107, 107-115.	2.1	399
77	Neurofeedback using functional spectroscopy. International Journal of Imaging Systems and Technology, 2014, 24, 138-148.	2.7	2
78	An In Vivo ^{1}H Magnetic Resonance Spectroscopy Study of the Deep Cerebellar Nuclei in Children with Fetal Alcohol Spectrum Disorders. Alcoholism: Clinical and Experimental Research, 2014, 38, 1330-1338.	1.4	31
79	Cannabis Use Is Quantitatively Associated with Nucleus Accumbens and Amygdala Abnormalities in Young Adult Recreational Users. Journal of Neuroscience, 2014, 34, 5529-5538.	1.7	213
80	3D GABA imaging with real-time motion correction, shim update and reacquisition of adiabatic spiral MRSI. NeuroImage, 2014, 103, 290-302.	2.1	100
81	Real-time motion- and B0-correction for LASER-localized spiral-accelerated 3D-MRSI of the brain at 3T. NeuroImage, 2014, 88, 22-31.	2.1	64
82	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MPRAGE data at 3 and 7T. NeuroImage, 2014, 90, 60-73.	2.1	85
83	Volumetric parcellation methodology of the human hypothalamus in neuroimaging: Normative data and sex differences. NeuroImage, 2013, 69, 1-10.	2.1	96
84	Example-Based Restoration of High-Resolution Magnetic Resonance Image Acquisitions. Lecture Notes in Computer Science, 2013, 16, 131-138.	1.0	18
85	Volumetric navigators for prospective motion correction and selective reacquisition in neuroanatomical MRI. Magnetic Resonance in Medicine, 2012, 68, 389-399.	1.9	338
86	Volumetric navigators for real‚time motion correction in diffusion tensor imaging. Magnetic Resonance in Medicine, 2012, 68, 1097-1108.	1.9	54
87	Real‚time motion and B_0 corrected single voxel spectroscopy using volumetric navigators. Magnetic Resonance in Medicine, 2011, 66, 314-323.	1.9	111
88	Motion-robust MRI through real-time motion tracking and retrospective super-resolution volume reconstruction. , 2011, 2011, 5722-5.		13
89	MRI-Assisted PET Motion Correction for Neurologic Studies in an Integrated MR-PET Scanner. Journal of Nuclear Medicine, 2011, 52, 154-161.	2.8	167
90	Toward Implementing an MRI-Based PET Attenuation-Correction Method for Neurologic Studies on the MR-PET Brain Prototype. Journal of Nuclear Medicine, 2010, 51, 1431-1438.	2.8	413

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91	MRI-derived measurements of human subcortical, ventricular and intracranial brain volumes: Reliability effects of scan sessions, acquisition sequences, data analyses, scanner upgrade, scanner vendors and field strengths. NeuroImage, 2009, 46, 177-192.	2.1	482
92	Brain morphometry with multiecho MPRAGE. NeuroImage, 2008, 40, 559-569.	2.1	512
93	Frontal connections and cognitive changes in normal aging rhesus monkeys: A DTI study. Neurobiology of Aging, 2007, 28, 1556-1567.	1.5	105
94	Reliability in multi-site structural MRI studies: Effects of gradient non-linearity correction on phantom and human data. NeuroImage, 2006, 30, 436-443.	2.1	1,107
95	Reliability of MRI-derived measurements of human cerebral cortical thickness: The effects of field strength, scanner upgrade and manufacturer. NeuroImage, 2006, 32, 180-194.	2.1	1,337
96	Real-time rigid body motion correction and shimming using cloverleaf navigators. Magnetic Resonance in Medicine, 2006, 56, 1019-1032.	1.9	189
97	On-line automatic slice positioning for brain MR imaging. NeuroImage, 2005, 27, 222-230.	2.1	166
98	Automatically Parcellating the Human Cerebral Cortex. Cerebral Cortex, 2004, 14, 11-22.	1.6	3,657
99	Whole Brain Segmentation. Neuron, 2002, 33, 341-355.	3.8	7,404