

# André J W Van Der Kouwe

## List of Publications by Year in descending order

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99  
papers

20,469  
citations

101543

36  
h-index

42399

92  
g-index

106  
all docs

106  
docs citations

106  
times ranked

21079  
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. <i>Brain Connectivity</i> , 2022, 12, 302-319.	1.7	4
2	Comparison of prospective and retrospective motion correction in 3D��encoded neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 629-645.	3.0	11
3	Improving D�����hydroxyglutarate MR spectroscopic imaging in mutant isocitrate dehydrogenase glioma patients with multiplexed RF��receive/B<sub>0</sub>����� shim array coils at 3����T. <i>NMR in Biomedicine</i> , 2022, 35, 2.8 e4621.		2
4	Self��navigated prospective motion correction for <scp>3D��EPI</scp> acquisition. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 211-223.	3.0	3
5	Automated detection and reacquisition of motion��degraded images in fetal HASTE imaging at 3 T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1914-1922.	3.0	11
6	Detection of astrocytic tau pathology facilitates recognition of chronic traumatic encephalopathy neuropathologic change. <i>Acta Neuropathologica Communications</i> , 2022, 10, 50.	5.2	13
7	Entorhinal Subfield Vulnerability to Neurofibrillary Tangles in Aging and the Preclinical Stage of Alzheimer����s Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 1379-1399.	2.6	9
8	Multimodal magnetic resonance neuroimaging measures characteristic of early <scp>cART</scp>��treated pediatric <scp>HIV</scp>: A feature selection approach. <i>Human Brain Mapping</i> , 2022, 43, 4128-4144.	3.6	1
9	Motion correction methods for MRS: experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4364.	2.8	37
10	Real��time motion and retrospective coil sensitivity correction for CEST using volumetric navigators (vNavs) at 7T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1909-1923.	3.0	9
11	Rapid head��pose detection for automated slice prescription of fetal��brain <scp>MRI</scp>. <i>International Journal of Imaging Systems and Technology</i> , 2021, 31, 1136-1154.	4.1	7
12	Motion��compensated 3D turbo spin��echo for more robust MR intracranial vessel wall imaging. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 637-647.	3.0	7
13	Cortical structural changes related to early antiretroviral therapy (ART) interruption in perinatally HIV-infected children at 5 years of age. <i>IBRO Neuroscience Reports</i> , 2021, 10, 161-170.	1.6	4
14	Tractography-Pathology Correlations in Traumatic Brain Injury: A TRACK-TBI Study. <i>Journal of Neurotrauma</i> , 2021, 38, 1620-1631.	3.4	9
15	Multivariate approach for longitudinal analysis of brain metabolite levels from ages 5-11 years in children with perinatal HIV infection. <i>NeuroImage</i> , 2021, 237, 118101.	4.2	4
16	Maternal choline supplementation mitigates alcohol exposure effects on neonatal brain volumes. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 1762-1774.	2.4	28
17	MarkVCID cerebral small vessel consortium: II. Neuroimaging protocols. <i>Alzheimer's and Dementia</i> , 2021, 17, 716-725.	0.8	45
18	Intra��session and inter��subject variability of 3D��FID��MRSI using single��echo volumetric EPI navigators at 3T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1920-1929.	3.0	23

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19	Correction of respiratory artifacts in MRI head motion estimates. <i>NeuroImage</i> , 2020, 208, 116400.	4.2	161
20	An integrated RF-receive/BO-shim array coil boosts performance of whole-brain MR spectroscopic imaging at 7ÂT. <i>Scientific Reports</i> , 2020, 10, 15029.	3.3	12
21	MRS suggests multi-regional inflammation and white matter axonal damage at 11Âyears following perinatal HIV infection. <i>NeuroImage: Clinical</i> , 2020, 28, 102505.	2.7	13
22	Serum Neurosteroid Levels Are Associated With Cortical Thickness in Individuals Diagnosed With Posttraumatic Stress Disorder and History of Mild Traumatic Brain Injury. <i>Clinical EEG and Neuroscience</i> , 2020, 51, 285-299.	1.7	12
23	Cerebrovascular reactivity assessment with O2-CO2 exchange ratio under brief breath hold challenge. <i>PLoS ONE</i> , 2020, 15, e0225915.	2.5	17
24	Chemical Exchange Saturation Transfer MRI Optimal Continuous Wave RF Irradiation Parameters for Glycogen (glycoCEST) Detection. <i>Applied Magnetic Resonance</i> , 2020, 51, 621-640.	1.2	0
25	Dynamic brain-body coupling of breath-by-breath O2-CO2 exchange ratio with resting state cerebral hemodynamic fluctuations. <i>PLoS ONE</i> , 2020, 15, e0238946.	2.5	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. <i>NeuroImage</i> , 2019, 202, 116091.	4.2	539
31	Structural and Diffusion MRI Analyses With Histological Observations in Patients With Lissencephaly. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 124.	3.7	11
32	7 Tesla MRI of the ex vivo human brain at 100 micron resolution. <i>Scientific Data</i> , 2019, 6, 244.	5.3	179
33	Markerless motion tracking and correction for PET, MRI, and simultaneous PET/MRI. <i>PLoS ONE</i> , 2019, 14, e0215524.	2.5	31
34	Toward “plug and play” prospective motion correction for MRI by combining observations of the time varying gradient and static vector fields. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1214-1228.	3.0	12
35	Markerless high-frequency prospective motion correction for neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 126-144.	3.0	47
36	A comparison of static and dynamic “B0” mapping methods for correction of CEST MRI in the presence of temporal “B0” field variations. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 633-646.	3.0	19

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37	Maturational Changes in Human Dorsal and Ventral Visual Networks. <i>Cerebral Cortex</i> , 2019, 29, 5131-5149.	2.9	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. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1610-1621.	8.9	16
39	The Lifespan Human Connectome Project in Aging: An overview. <i>NeuroImage</i> , 2019, 185, 335-348.	4.2	186
40	Real-time simultaneous shim and motion measurement and correction in glycoCEST MRI using double volumetric navigators (DvNavs). <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2600-2613.	3.0	21
41	Whole-slice mapping of GABA and GABA+ at 7T via adiabatic MEGA-editing, real-time instability correction, and concentric circle readout. <i>NeuroImage</i> , 2019, 184, 475-489.	4.2	35
42	Repeatability and reproducibility of prospective motion- and shim corrected 2D glycoCEST MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1674-1685.	2.0	2
43	Altered brain morphometry in 7-year old HIV-infected children on early ART. <i>Metabolic Brain Disease</i> , 2018, 33, 523-535.	2.9	24
44	Multimodal Characterization of the Late Effects of Traumatic Brain Injury: A Methodological Overview of the Late Effects of Traumatic Brain Injury Project. <i>Journal of Neurotrauma</i> , 2018, 35, 1604-1619.	3.4	32
45	Dementia After Moderate-Severe Traumatic Brain Injury: Coexistence of Multiple Proteinopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 50-63.	1.7	68
46	Prenatal methamphetamine exposure is associated with corticostriatal white matter changes in neonates. <i>Metabolic Brain Disease</i> , 2018, 33, 507-522.	2.9	28
47	Prenatal methamphetamine exposure is associated with reduced subcortical volumes in neonates. <i>Neurotoxicology and Teratology</i> , 2018, 65, 51-59.	2.4	20
48	Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. <i>NeuroImage</i> , 2018, 183, 972-984.	4.2	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. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 145.	2.0	16
50	A probabilistic atlas of the human thalamic nuclei combining ex vivo MRI and histology. <i>NeuroImage</i> , 2018, 183, 314-326.	4.2	334
51	A Method for Measuring Orientation Within a Magnetic Resonance Imaging Scanner Using Gravity and the Static Magnetic Field (VectOrient). <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1129-1139.	8.9	4
52	Heavy Prenatal Alcohol Exposure is Related to Smaller Corpus Callosum in Newborn <scp>MRI</scp> Scans. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 965-975.	2.4	62
53	Effects of tissue and gender on macromolecule suppressed gamma-aminobutyric acid. <i>International Journal of Imaging Systems and Technology</i> , 2017, 27, 144-152.	4.1	8
54	White Matter Abnormalities in Children with HIV Infection and Exposure. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 88.	1.7	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. <i>Frontiers in Neuroanatomy</i> , 2017, 11, 95.	1.7	16
56	Longitudinal increases of brain metabolite levels in 5-10 year old children. <i>PLoS ONE</i> , 2017, 12, e0180973.	2.5	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. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 635.	2.0	10
58	Accurate High-speed 3D-Registration of EPI vNavs for Head Motion Correction. <i>Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition.</i> , 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. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 863-874.	2.0	21
60	Volumetric navigated MEGA-SPECIAL for real-time motion and shim corrected GABA editing. <i>NMR in Biomedicine</i> , 2016, 29, 248-255.	2.8	19
61	Prospective motion correction and selective reacquisition using volumetric navigators for vessel-encoded arterial spin labeling dynamic angiography. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1420-1430.	3.0	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. <i>American Journal of Neuroradiology</i> , 2016, 37, 2363-2369.	2.4	36
64	Neural mechanisms of sensitivity to peer information in young adult cannabis users. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2016, 16, 646-661.	2.0	20
65	Longitudinal Diffusion Tensor Imaging Detects Recovery of Fractional Anisotropy Within Traumatic Axonal Injury Lesions. <i>Neurocritical Care</i> , 2016, 24, 342-352.	2.4	14
66	Variable activation in striatal subregions across components of a social influence task in young adult cannabis users. <i>Brain and Behavior</i> , 2016, 6, e00459.	2.2	20
67	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , 2016, 524, Spc1.	1.6	8
68	Postmortem imaging and neuropathologic correlations. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 136, 1321-1339.	1.8	5
69	Assessing the performance of different DTI motion correction strategies in the presence of EPI distortion correction. <i>Human Brain Mapping</i> , 2016, 37, 4405-4424.	3.6	45
70	Comprehensive cellular-resolution atlas of the adult human brain. <i>Journal of Comparative Neurology</i> , 2016, 524, 3127-3481.	1.6	302
71	Diffusion tensor imaging in acute-to-subacute traumatic brain injury: a longitudinal analysis. <i>BMC Neurology</i> , 2016, 16, 2.	1.8	55
72	Prospective motion correction with volumetric navigators (vNavs) reduces the bias and variance in brain morphometry induced by subject motion. <i>NeuroImage</i> , 2016, 127, 11-22.	4.2	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. <i>NeuroImage</i> , 2016, 126, 60-71.	4.2	34
74	Multi-contrast submillimetric 3��Tesla hippocampal subfield segmentation protocol and dataset. <i>Scientific Data</i> , 2015, 2, 150059.	5.3	70
75	A DTI-based tractography study of effects on brain structure associated with prenatal alcohol exposure in newborns. <i>Human Brain Mapping</i> , 2015, 36, 170-186.	3.6	52
76	Head motion during MRI acquisition reduces gray matter volume and thickness estimates. <i>NeuroImage</i> , 2015, 107, 107-115.	4.2	399
77	Neurofeedback using functional spectroscopy. <i>International Journal of Imaging Systems and Technology</i> , 2014, 24, 138-148.	4.1	2
78	An In Vivo <sup>1</sup> H Magnetic Resonance Spectroscopy Study of the Deep Cerebellar Nuclei in Children with Fetal Alcohol Spectrum Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 1330-1338.	2.4	31
79	Cannabis Use Is Quantitatively Associated with Nucleus Accumbens and Amygdala Abnormalities in Young Adult Recreational Users. <i>Journal of Neuroscience</i> , 2014, 34, 5529-5538.	3.6	213
80	3D GABA imaging with real-time motion correction, shim update and reacquisition of adiabatic spiral MRSI. <i>NeuroImage</i> , 2014, 103, 290-302.	4.2	100
81	Real-time motion- and B0-correction for LASER-localized spiral-accelerated 3D-MRSI of the brain at 3T. <i>NeuroImage</i> , 2014, 88, 22-31.	4.2	64
82	Quantitative comparison of cortical surface reconstructions from MP2RAGE and multi-echo MPRAGE data at 3 and 7T. <i>NeuroImage</i> , 2014, 90, 60-73.	4.2	85
83	Volumetric parcellation methodology of the human hypothalamus in neuroimaging: Normative data and sex differences. <i>NeuroImage</i> , 2013, 69, 1-10.	4.2	96
84	Example-Based Restoration of High-Resolution Magnetic Resonance Image Acquisitions. <i>Lecture Notes in Computer Science</i> , 2013, 16, 131-138.	1.3	18
85	Volumetric navigators for prospective motion correction and selective reacquisition in neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 389-399.	3.0	338
86	Volumetric navigators for real-time motion correction in diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1097-1108.	3.0	54
87	Real-time motion and <sup>B</sup> -corrected single voxel spectroscopy using volumetric navigators. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 314-323.	3.0	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. <i>Journal of Nuclear Medicine</i> , 2011, 52, 154-161.	5.0	167
90	Toward Implementing an MRI-Based PET Attenuation-Correction Method for Neurologic Studies on the MR-PET Brain Prototype. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1431-1438.	5.0	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.	4.2	482
92	Brain morphometry with multiecho MPRAGE. NeuroImage, 2008, 40, 559-569.	4.2	512
93	Frontal connections and cognitive changes in normal aging rhesus monkeys: A DTI study. Neurobiology of Aging, 2007, 28, 1556-1567.	3.1	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.	4.2	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.	4.2	1,337
96	Real-time rigid body motion correction and shimming using cloverleaf navigators. Magnetic Resonance in Medicine, 2006, 56, 1019-1032.	3.0	189
97	On-line automatic slice positioning for brain MR imaging. NeuroImage, 2005, 27, 222-230.	4.2	166
98	Automatically Parcellating the Human Cerebral Cortex. Cerebral Cortex, 2004, 14, 11-22.	2.9	3,657
99	Whole Brain Segmentation. Neuron, 2002, 33, 341-355.	8.1	7,404