

# Khader M Hasan

## List of Publications by Year in descending order

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35  
papers

1,566  
citations

471509

17  
h-index

414414

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital and Intracranial Effects of Microgravity: Findings at 3-T MR Imaging. <i>Radiology</i> , 2012, 263, 819-827.	7.3	182
2	Development and aging of the healthy human brain uncinate fasciculus across the lifespan using diffusion tensor tractography. <i>Brain Research</i> , 2009, 1276, 67-76.	2.2	160
3	Diffusion tensor fractional anisotropy of the normal-appearing seven segments of the corpus callosum in healthy adults and relapsing-remitting multiple sclerosis patients. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 735-743.	3.4	140
4	Diffusion tensor tractography quantification of the human corpus callosum fiber pathways across the lifespan. <i>Brain Research</i> , 2009, 1249, 91-100.	2.2	128
5	Computation of the fractional anisotropy and mean diffusivity maps without tensor decoding and diagonalization: Theoretical analysis and validation. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 589-598.	3.0	114
6	Does fractional anisotropy have better noise immunity characteristics than relative anisotropy in diffusion tensor MRI? An analytical approach. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 413-417.	3.0	109
7	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. <i>JAMA Neurology</i> , 2019, 76, 412.	9.0	103
8	Development and organization of the human brain tissue compartments across the lifespan using diffusion tensor imaging. <i>NeuroReport</i> , 2007, 18, 1735-1739.	1.2	99
9	Diffusion tensor quantification of the human midsagittal corpus callosum subdivisions across the lifespan. <i>Brain Research</i> , 2008, 1227, 52-67.	2.2	84
10	Intracranial Effects of Microgravity: A Prospective Longitudinal MRI Study. <i>Radiology</i> , 2020, 295, 640-648.	7.3	71
11	PPAR $\gamma$ agonist pioglitazone modifies craving intensity and brain white matter integrity in patients with primary cocaine use disorder: a double-blind randomized controlled pilot trial. <i>Addiction</i> , 2017, 112, 1861-1868.	3.3	58
12	Diffusion tensor imaging-based tissue segmentation: Validation and application to the developing child and adolescent brain. <i>NeuroImage</i> , 2007, 34, 1497-1505.	4.2	57
13	Longitudinal Analysis of Quantitative Brain MRI in Astronauts Following Microgravity Exposure. <i>Journal of Neuroimaging</i> , 2019, 29, 323-330.	2.0	33
14	Regional differences in white matter integrity in stimulant use disorders: A meta-analysis of diffusion tensor imaging studies. <i>Drug and Alcohol Dependence</i> , 2019, 201, 29-37.	3.2	27
15	Quantitative MRI volumetry, diffusivity, cerebrovascular flow, and cranial hydrodynamics during head-down tilt and hypercapnia: the SPACECOT study. <i>Journal of Applied Physiology</i> , 2017, 122, 1155-1166.	2.5	24
16	Mr-derived cerebral spinal fluid hydrodynamics as a marker and a risk factor for intracranial hypertension in astronauts exposed to microgravity. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1560-1571.	3.4	20
17	A meta-analysis of tract-based spatial statistics studies examining white matter integrity in cocaine use disorder. <i>Addiction Biology</i> , 2021, 26, e12902.	2.6	20
18	Diffusion tensor-based regional gray matter tissue segmentation using the international consortium for brain mapping atlases. <i>Human Brain Mapping</i> , 2011, 32, 107-117.	3.6	18

#	ARTICLE	IF	CITATIONS
19	Effect of inâ€paining on cortical thickness measurements in multiple sclerosis: A large cohort study. <i>Human Brain Mapping</i> , 2015, 36, 3749-3760.	3.6	15
20	Quantitative Limbic System Mapping of Main Cognitive Domains in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 132.	2.4	14
21	MRI-derived diffusion parameters in the human optic nerve and its surrounding sheath during head-down tilt. <i>Npj Microgravity</i> , 2017, 3, 18.	3.7	13
22	Serial Metabolic Evaluation of Perihematomal Tissues in the Intracerebral Hemorrhage Pig Model. <i>Frontiers in Neuroscience</i> , 2019, 13, 888.	2.8	12
23	Diffusion Tensor Imaging of the Superior Thalamic Radiation and Cerebrospinal Fluid Distribution in Idiopathic Normal Pressure Hydrocephalus. <i>Journal of Neuroimaging</i> , 2019, 29, 242-251.	2.0	11
24	Frontal aslant tracts as correlates of lexical retrieval in MS. <i>Neurological Research</i> , 2020, 42, 805-810.	1.3	10
25	Association of Structural Changes in the Brain and Retina After Long-Duration Spaceflight. <i>JAMA Ophthalmology</i> , 2021, 139, 781.	2.5	9
26	Multimodal Advanced Imaging for Concussion. <i>Neuroimaging Clinics of North America</i> , 2018, 28, 31-42.	1.0	8
27	Serial Cerebral Metabolic Changes in Patients With Ischemic Stroke Treated With Autologous Bone Marrow Derived Mononuclear Cells. <i>Frontiers in Neurology</i> , 2019, 10, 141.	2.4	7
28	The importance of using a proper technique and accurate seeding of regions-of-interest in diffusion tensor tractography. <i>Journal of the Neurological Sciences</i> , 2014, 339, 235-236.	0.6	6
29	Yakovlev's Basolateral Limbic Circuit in Multiple Sclerosis Related Cognitive Impairment. <i>Journal of Neuroimaging</i> , 2018, 28, 596-600.	2.0	6
30	Overview of Diffusion Tensor, Diffusion Kurtosis, and Q-space Imaging and Software Tools. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2021, 29, 263-268.	1.1	3
31	Sensitive Detection of Infratentorial and Upper Cervical Cord Lesions in Multiple Sclerosis with Combined 3D FLAIR and T2-Weighted (FLAIR3) Imaging. <i>American Journal of Neuroradiology</i> , 2020, 41, 2062-2067.	2.4	2
32	Cerebrovascular Effects of Lower Body Negative Pressure at 3T MRI : Implications for Longâ€Duration Space Travel. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , .	3.4	2
33	Characterizing the time course of cerebrovascular reactivity in multiple sclerosis. <i>Journal of Neuroimaging</i> , 2022, , .	2.0	1
34	ISDN2014_0326: Developmental trajectories of deep gray matter structures in healthy children and adults. <i>International Journal of Developmental Neuroscience</i> , 2015, 47, 100-101.	1.6	0
35	Targeting white matter neuroprotection as a relapse prevention strategy for treatment of cocaine use disorder: Design of a mechanism-focused randomized clinical trial. <i>Contemporary Clinical Trials</i> , 2021, 111, 106603.	1.8	0