Bang-Bon Koo

List of Publications by Year
in descending order

45 papers	721 citations	516710 16 h-index	580821 25 g-index
46 all docs	46 docs citations	46 times ranked	1460 citing authors

#	Article	IF	Citations
1	Corticosterone potentiates DFP-induced neuroinflammation and affects high-order diffusion imaging in a rat model of Gulf War Illness. Brain, Behavior, and Immunity, 2018, 67, 42-46.	4.1	66
2	Increased Functional Connectivity Within Intrinsic Neural Networks in Chronic Stroke Following Treatment with Red/Near-Infrared Transcranial Photobiomodulation: Case Series with Improved Naming in Aphasia. Photobiomodulation, Photomedicine, and Laser Surgery, 2020, 38, 115-131.	1.4	44
3	Multimodal MR-imaging reveals large-scale structural and functional connectivity changes in profound early blindness. PLoS ONE, 2017, 12, e0173064.	2.5	40
4	Groupâ€specific regional white matter abnormality revealed in diffusion tensor imaging of medial temporal lobe epilepsy without hippocampal sclerosis. Epilepsia, 2010, 51, 529-535.	5.1	37
5	Leptin Therapy Alters Appetite and Neural Responses to Food Stimuli in Brain Areas of Leptin-Sensitive Subjects Without Altering Brain Structure. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2529-E2538.	3.6	36
6	White matter damage in maintenance hemodialysis patients: a diffusion tensor imaging study. BMC Nephrology, 2017, 18, 213.	1.8	36
7	Age-related effects on cortical thickness patterns of the Rhesus monkey brain. Neurobiology of Aging, 2012, 33, 200.e23-200.e31.	3.1	35
8	A framework to analyze partial volume effect on gray matter mean diffusivity measurements. NeuroImage, 2009, 44, 136-144.	4.2	33
9	Thalamic changes in temporal lobe epilepsy with and without hippocampal sclerosis: A diffusion tensor imaging study. Epilepsy Research, 2010, 90, 21-27.	1.6	33
10	Abnormal white matter tractography of visual pathways detected by high-angular-resolution diffusion imaging (HARDI) corresponds to visual dysfunction in cortical/cerebral visual impairment. Journal of AAPOS, 2014, 18, 398-401.	0.3	29
11	Clinical Prediction of Fall Risk and White Matter Abnormalities. Archives of Neurology, 2012, 69, 733-8.	4.5	28
12	Comparison of ApoE-related brain connectivity differences in early MCI and normal aging populations: an fMRI study. Brain Imaging and Behavior, 2016, 10, 970-983.	2.1	28
13	The integrated stress response mediates necrosis in murine Mycobacterium tuberculosis granulomas. Journal of Clinical Investigation, 2021, 131, .	8.2	27
14	Comparison of diffusion tensor imaging and voxel-based morphometry to detect white matter damage in Alzheimer's disease. Journal of the Neurological Sciences, 2011, 302, 89-95.	0.6	24
15	Changes in Language Pathways in Patients with Temporal Lobe Epilepsy: Diffusion Tensor Imaging Analysis of the Uncinate and Arcuate Fasciculi. World Neurosurgery, 2011, 75, 509-516.	1.3	23
16	Sex differences in the temporal lobe white matter and the corpus callosum: a diffusion tensor tractography study. NeuroReport, 2010, 21, 73-77.	1.2	22
17	Alterations in high-order diffusion imaging in veterans with Gulf War Illness is associated with chemical weapons exposure and mild traumatic brain injury. Brain, Behavior, and Immunity, 2020, 89, 281-290.	4.1	17
18	Brainâ€“Immune Interactions as the Basis of Gulf War Illness: Clinical Assessment and Deployment Profile of 1990â€“1991 Gulf War Veterans in the Gulf War Illness Consortium (GWIC) Multisite Case-Control Study. Brain Sciences, 2021, 11, 1132.	2.3	16

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19	Edited Magnetic Resonance Spectroscopy Detects an Age-Related Decline in Nonhuman Primate Brain GABA Levels. BioMed Research International, 2016, 2016, 1-7.	1.9	15
20	White Matter Change Revealed by Diffusion Tensor Imaging in Gliomas. Brain Tumor Research and Treatment, 2016, 4, 100.	1.0	14
21	Seed Location Impacts Whole-Brain Structural Network Comparisons between Healthy Elderly and Individuals with Alzheimerâ€™s Disease. Brain Sciences, 2017, 7, 37.	2.3	12
22	3D multi-scale residual fully convolutional neural network for segmentation of extremely large-sized kidney tumor. Computer Methods and Programs in Biomedicine, 2022, 215, 106616.	4.7	12
23	Association of Diabetes and Hypertension With Brain Structural Integrity and Cognition in the Boston Puerto Rican Health Study Cohort. Neurology, 2022, 98, .	1.1	12
24	Long-term effects of curcumin in the non-human primate brain. Brain Research Bulletin, 2018, 142, 88-95.	3.0	11
25	Quantitative analysis of group-specific brain tissue probability map for schizophrenic patients. NeuroImage, 2005, 26, 502-512.	4.2	10
26	Hippocampal Resting-State Functional Connectivity Patterns are More Closely Associated with Severity of Subjective Memory Decline than Whole Hippocampal and Subfield Volumes. Cerebral Cortex Communications, 2020, 1, tgaa019.	1.6	9
27	Defining the optimal target for anterior thalamic deep brain stimulation in patients with drug-refractory epilepsy. Journal of Neurosurgery, 2021, 134, 1054-1063.	1.6	9
28	Hippocampal network connections account for differences in memory performance in the middle-aged rhesus monkey. Hippocampus, 2013, 23, 1179-1188.	1.9	8
29	Neuroimaging Markers for Studying Gulf-War Illness: Single-Subject Level Analytical Method Based on Machine Learning. Brain Sciences, 2020, 10, 884.	2.3	7
30	Brain signatures based on structural <scp>MRI</scp>: Classification for <scp>MCI</scp>, <scp>PMCI</scp>, and <scp>AD</scp>. Human Brain Mapping, 2022, 43, 2845-2860.	3.6	7
31	Age-related changes in structural connectivity are improved using subject-specific thresholding. Journal of Neuroscience Methods, 2017, 288, 45-56.	2.5	5
32	Boston biorepository, recruitment and integrative network (BBRAIN): A resource for the Gulf War Illness scientific community. Life Sciences, 2021, 284, 119903.	4.3	4
33	Representative brain selection using a group-specific tissue probability map. Magnetic Resonance Imaging, 2005, 23, 809-815.	1.8	2
34	Quantitative mapping of diffusion characteristics under the cortical surface. Magnetic Resonance Imaging, 2010, 28, 1175-1182.	1.8	2
35	Association of the tissue microstructural diffusivity and translocator protein PET in Gulf War Illness. Brain, Behavior, & Immunity - Health, 2021, 18, 100364.	2.5	2
36	Computerâ€based morphometry of brain. International Journal of Imaging Systems and Technology, 2010, 20, 117-125.	4.1	1

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37	Red/near-infrared light-emitting diode therapy for traumatic brain injury. Proceedings of SPIE, 2015, , .	0.8	1
38	Fully automatic hybrid registration method based on point feature detection without user intervention. , 2006, 6144, 852.		0
39	Assessing spatial probabilistic distributional differences in the common space between schizophrenics and normal controls based on a novel automated probabilistic pattern analysis method. International Journal of Imaging Systems and Technology, 2008, 18, 310-324.	4.1	0
40	P200 Diffusion tensor imaging in unilateral temporal lobe epilepsy with and without hippocampal sclerosis: analyzed by voxel-based morphometry. Clinical Neurophysiology, 2008, 119, S122.	1.5	0
41	IC-P-040: Using White Matter Seed Regions Produces Stronger and More Complex Structural Networks in Healthy Elderly Subjects and Subjects with Alzheimerâ€™s Disease. , 2016, 12, P35-P35.		0
42	P3â€264: Using White Matter Seed Regions Produces Stronger and More Complex Structural Networks in Healthy Elderly Subjects and Subjects with Alzheimerâ€™S Disease. Alzheimer's and Dementia, 2016, 12, P933.	0.8	0
43	P3â€357: HIPPOCAMPAL VOLUME AND FUNCTIONAL CONNECTIVITY DIFFERENTIATE BETWEEN COGNITIVELY NORMAL INDIVIDUALS WITH AND WITHOUT SUBJECTIVE MEMORY COMPLAINTS. Alzheimer's and Dementia, 2018, 14, P1223.	0.8	0
44	ICâ€Pâ€174: HIPPOCAMPAL VOLUME AND FUNCTIONAL CONNECTIVITY DIFFERENTIATE BETWEEN COGNITIVELY NORMAL INDIVIDUALS WITH AND WITHOUT SUBJECTIVE MEMORY COMPLAINTS. Alzheimer's and Dementia, 2018, 14, P148.	0.8	0
45	Bowel Health, Brain Age, Brain Volume and Cognitive Function in the Boston Puerto Rican Health Study. Current Developments in Nutrition, 2022, 6, 15.	0.3	0