

Thomas Ernst

List of Publications by Year in descending order

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44
papers

2,257
citations

430874

18
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

3055
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of the human brain: <i>In vivo</i> quantification of metabolite and water content with proton magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 424-437.	3.0	665
2	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	4.2	539
3	Measurement and Correction of Microscopic Head Motion during Magnetic Resonance Imaging of the Brain. <i>PLoS ONE</i> , 2012, 7, e48088.	2.5	177
4	Lower brain glutamate is associated with cognitive deficits in HIV patients: A new mechanism for HIV-associated neurocognitive disorder. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 1045-1053.	3.4	118
5	Propensity for Intra-abdominal and Hepatic Adiposity Varies Among Ethnic Groups. <i>Gastroenterology</i> , 2019, 156, 966-975.e10.	1.3	80
6	<i>SENSE</i> and simultaneous multislice imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1356-1362.	3.0	57
7	Prospective motion correction for magnetic resonance spectroscopy using single camera retrograde reflector optical tracking. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 498-504.	3.4	49
8	Correspondence Between Perceived Pubertal Development and Hormone Levels in 9-10 Year-Olds From the Adolescent Brain Cognitive Development Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 549928.	3.5	45
9	Prospective motion correction for single-voxel ^1H MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 672-679.	3.0	43
10	Sex and Ethnic Differences in the Association of Obesity With Risk of Hepatocellular Carcinoma. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 309-316.	4.4	43
11	Digital Breast Tomosynthesis: Physics, Artifacts, and Quality Control Considerations. <i>Radiographics</i> , 2019, 39, 413-426.	3.3	39
12	Real-time dynamic frequency and shim correction for single-voxel magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1339-1345.	3.0	34
13	Simultaneous Multi-Slice fMRI using spiral trajectories. <i>NeuroImage</i> , 2014, 92, 8-18.	4.2	30
14	Associations of the Dietary Inflammatory Index with total adiposity and ectopic fat through the gut microbiota, LPS, and C-reactive protein in the Multiethnic Cohort "Adiposity Phenotype Study. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 1344-1356.	4.7	30
15	Dyslexia and language impairment associated genetic markers influence cortical thickness and white matter in typically developing children. <i>Brain Imaging and Behavior</i> , 2016, 10, 272-282.	2.1	27
16	Associations between frontal lobe structure, parent-reported obstructive sleep disordered breathing and childhood behavior in the ABCD dataset. <i>Nature Communications</i> , 2021, 12, 2205.	12.8	25
17	Optical tracking with two markers for robust prospective motion correction for brain imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 523-534.	2.0	23
18	Prevention of motion-induced signal loss in diffusion-weighted echo-planar imaging by dynamic restoration of gradient moments. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 2006-2013.	3.0	22

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19	Motion correction in magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2020, 84, 2312-2326.	3.0	18
20	Reverse retrospective motion correction. Magnetic Resonance in Medicine, 2016, 75, 2341-2349.	3.0	17
21	Circulating Biomarker Score for Visceral Fat and Risks of Incident Colorectal and Postmenopausal Breast Cancer: The Multiethnic Cohort Adiposity Phenotype Study. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 966-973.	2.5	17
22	Prospective motion correction of fMRI: Improving the quality of resting state data affected by large head motion. NeuroImage, 2020, 212, 116594.	4.2	16
23	Associations of the gut microbiome with hepatic adiposity in the Multiethnic Cohort Adiposity Phenotype Study. Gut Microbes, 2021, 13, 1965463.	9.8	16
24	Association of Immunosuppression and Viral Load With Subcortical Brain Volume in an International Sample of People Living With HIV. JAMA Network Open, 2021, 4, e2031190.	5.9	16
25	A novel phase and frequency navigator for proton magnetic resonance spectroscopy using waterâ€suppression cycling. Magnetic Resonance in Medicine, 2011, 65, 13-17.	3.0	15
26	Association Between Habitual Snoring and Cognitive Performance Among a Large Sample of Preadolescent Children. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 426.	2.2	13
27	Comparison of optical and MRâ€based tracking. Magnetic Resonance in Medicine, 2015, 74, 894-902.	3.0	12
28	Elevated thalamic glutamate levels and reduced water diffusivity in alcohol use disorder: Association with impulsivity. Psychiatry Research - Neuroimaging, 2020, 305, 111185.	1.8	10
29	Segmented simultaneous multiâ€slice diffusion weighted imaging with generalized trajectories. Magnetic Resonance in Medicine, 2017, 78, 1476-1481.	3.0	8
30	Associations Between Body Weight, Hippocampal Volume, and Tissue Signal Intensity in 12â€to 18â€Yearâ€Olds. Obesity, 2020, 28, 1325-1331.	3.0	8
31	Greater Sensorimotor Deficits and Abnormally Lower Globus Pallidus Fractional Anisotropy in HIV+ Women than in HIV+ Men. Journal of Neuroimmune Pharmacology, 2021, 16, 334-345.	4.1	8
32	Striatal and white matter volumes in chronic ketamine users with or without recent regular stimulant use. Drug and Alcohol Dependence, 2020, 213, 108063.	3.2	7
33	Homogeneous coordinates in motion correction. Magnetic Resonance in Medicine, 2016, 75, 274-279.	3.0	6
34	Metabolic syndrome screening using visceral adipose tissue (VAT) from opportunistic MRI locations in a multi-ethnic population. Obesity Research and Clinical Practice, 2021, 15, 227-234.	1.8	6
35	Contributions of chronic tobacco smoking to HIV-associated brain atrophy and cognitive deficits. Aids, 2022, 36, 513-524.	2.2	4
36	Brain-derived neurotrophic factor Val66Met variant on brain volumes in infants. Brain Structure and Function, 2021, 226, 919-925.	2.3	3

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37	Motion-insensitive diffusion imaging of the brain using optical tracking and dynamic sequence updates. Magnetic Resonance in Medicine, 2021, 86, 926-934.	3.0	3
38	Genome-wide association study of pancreatic fat: The Multiethnic Cohort Adiposity Phenotype Study. PLoS ONE, 2021, 16, e0249615.	2.5	2
39	Diet and Liver Adiposity in Older Adults: The Multiethnic Cohort Adiposity Phenotype Study. Journal of Nutrition, 2021, 151, 3579-3587.	2.9	2
40	Associations of the Dietary Inflammatory Index With Total Adiposity and Ectopic Fat and the Mediating Effect of the Gut Microbiota. Current Developments in Nutrition, 2021, 5, 1173.	0.3	1
41	Biomarker-based visceral adiposity score and incident type 2 diabetes in the multiethnic cohort. Annals of Epidemiology, 2021, 63, 29-34.	1.9	1
42	Magnetic Resonance Spectroscopy in HIV-Associated Brain Injury. , 0, , 281-291.		1
43	Functional Magnetic Resonance Imaging in HIV-Associated Dementia. , 0, , 273-280.		0
44	Cortical Thickness Changes After Computerized Working Memory Training in Patients With Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2022, 14, 796110.	3.4	0