

# Thomas Ernst

## List of Publications by Year in descending order

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44  
papers

2,257  
citations

430754

18  
h-index

289141

40  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of the human brain: In vivo quantification of metabolite and water content with proton magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 424-437.	1.9	665
2	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. <i>NeuroImage</i> , 2019, 202, 116091.	2.1	539
3	Measurement and Correction of Microscopic Head Motion during Magnetic Resonance Imaging of the Brain. <i>PLoS ONE</i> , 2012, 7, e48088.	1.1	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.	1.9	118
5	Propensity for Intra-abdominal and Hepatic Adiposity Varies Among Ethnic Groups. <i>Gastroenterology</i> , 2019, 156, 966-975.e10.	0.6	80
6	<sc>SENSE</sc> and simultaneous multislice imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1356-1362.	1.9	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.	1.9	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.	1.5	45
9	Prospective motion correction for single-voxel <sup>1</sup> H MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 672-679.	1.9	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.	2.4	43
11	Digital Breast Tomosynthesis: Physics, Artifacts, and Quality Control Considerations. <i>Radiographics</i> , 2019, 39, 413-426.	1.4	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.	1.9	34
13	Simultaneous Multi-Slice fMRI using spiral trajectories. <i>NeuroImage</i> , 2014, 92, 8-18.	2.1	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.	2.2	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.	1.1	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.	5.8	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.	1.1	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.	1.9	22

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19	Motion correction in magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2312-2326.	1.9	18
20	Reverse retrospective motion correction. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2341-2349.	1.9	17
21	Circulating Biomarker Score for Visceral Fat and Risks of Incident Colorectal and Postmenopausal Breast Cancer: The Multiethnic Cohort Adiposity Phenotype Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 966-973.	1.1	17
22	Prospective motion correction of fMRI: Improving the quality of resting state data affected by large head motion. <i>NeuroImage</i> , 2020, 212, 116594.	2.1	16
23	Associations of the gut microbiome with hepatic adiposity in the Multiethnic Cohort Adiposity Phenotype Study. <i>Gut Microbes</i> , 2021, 13, 1965463.	4.3	16
24	Association of Immunosuppression and Viral Load With Subcortical Brain Volume in an International Sample of People Living With HIV. <i>JAMA Network Open</i> , 2021, 4, e2031190.	2.8	16
25	A novel phase and frequency navigator for proton magnetic resonance spectroscopy using water-suppression cycling. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 13-17.	1.9	15
26	Association Between Habitual Snoring and Cognitive Performance Among a Large Sample of Preadolescent Children. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2021, 147, 426.	1.2	13
27	Comparison of optical and MR-based tracking. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 894-902.	1.9	12
28	Elevated thalamic glutamate levels and reduced water diffusivity in alcohol use disorder: Association with impulsivity. <i>Psychiatry Research - Neuroimaging</i> , 2020, 305, 111185.	0.9	10
29	Segmented simultaneous multi-slice diffusion weighted imaging with generalized trajectories. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1476-1481.	1.9	8
30	Associations Between Body Weight, Hippocampal Volume, and Tissue Signal Intensity in 12- to 18-Year-Olds. <i>Obesity</i> , 2020, 28, 1325-1331.	1.5	8
31	Greater Sensorimotor Deficits and Abnormally Lower Globus Pallidus Fractional Anisotropy in HIV+ Women than in HIV+ Men. <i>Journal of Neuroimmune Pharmacology</i> , 2021, 16, 334-345.	2.1	8
32	Striatal and white matter volumes in chronic ketamine users with or without recent regular stimulant use. <i>Drug and Alcohol Dependence</i> , 2020, 213, 108063.	1.6	7
33	Homogeneous coordinates in motion correction. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 274-279.	1.9	6
34	Metabolic syndrome screening using visceral adipose tissue (VAT) from opportunistic MRI locations in a multi-ethnic population. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 227-234.	0.8	6
35	Contributions of chronic tobacco smoking to HIV-associated brain atrophy and cognitive deficits. <i>Aids</i> , 2022, 36, 513-524.	1.0	4
36	Brain-derived neurotrophic factor Val66Met variant on brain volumes in infants. <i>Brain Structure and Function</i> , 2021, 226, 919-925.	1.2	3

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37	Motion-insensitive diffusion imaging of the brain using optical tracking and dynamic sequence updates. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 926-934.	1.9	3
38	Genome-wide association study of pancreatic fat: The Multiethnic Cohort Adiposity Phenotype Study. <i>PLoS ONE</i> , 2021, 16, e0249615.	1.1	2
39	Diet and Liver Adiposity in Older Adults: The Multiethnic Cohort Adiposity Phenotype Study. <i>Journal of Nutrition</i> , 2021, 151, 3579-3587.	1.3	2
40	Associations of the Dietary Inflammatory Index With Total Adiposity and Ectopic Fat and the Mediating Effect of the Gut Microbiota. <i>Current Developments in Nutrition</i> , 2021, 5, 1173.	0.1	1
41	Biomarker-based visceral adiposity score and incident type 2 diabetes in the multiethnic cohort. <i>Annals of Epidemiology</i> , 2021, 63, 29-34.	0.9	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. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 796110.	1.7	0