

# Andreas Hahn

## List of Publications by Year in descending order

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89  
papers

3,194  
citations

172207

29  
h-index

189595

50  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4709  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced resting-state functional connectivity between amygdala and orbitofrontal cortex in social anxiety disorder. <i>NeuroImage</i> , 2011, 56, 881-889.	2.1	353
2	P300 amplitude variation is related to ventral striatum BOLD response during gain and loss anticipation: An EEG and fMRI experiment. <i>NeuroImage</i> , 2014, 96, 12-21.	2.1	129
3	Normative database of the serotonergic system in healthy subjects using multi-tracer PET. <i>NeuroImage</i> , 2012, 63, 447-459.	2.1	126
4	Prediction of SSRI treatment response in major depression based on serotonin transporter interplay between median raphe nucleus and projection areas. <i>NeuroImage</i> , 2012, 63, 874-881.	2.1	124
5	Differential modulation of the default mode network via serotonin-1A receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2619-2624.	3.3	109
6	Cortical Thickness Estimations of FreeSurfer and the CAT12 Toolbox in Patients with Alzheimer's Disease and Healthy Controls. <i>Journal of Neuroimaging</i> , 2018, 28, 515-523.	1.0	100
7	Global decrease of serotonin-1A receptor binding after electroconvulsive therapy in major depression measured by PET. <i>Molecular Psychiatry</i> , 2013, 18, 93-100.	4.1	98
8	Ketamine-Induced Modulation of the Thalamo-Cortical Network in Healthy Volunteers As a Model for Schizophrenia. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv040.	1.0	93
9	Spatial analysis and high resolution mapping of the human whole-brain transcriptome for integrative analysis in neuroimaging. <i>NeuroImage</i> , 2018, 176, 259-267.	2.1	87
10	Lateralization of the serotonin-1A receptor distribution in language areas revealed by PET. <i>NeuroImage</i> , 2009, 45, 598-605.	2.1	72
11	Quantification of Task-Specific Glucose Metabolism with Constant Infusion of <sup>18</sup> F-FDG. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1933-1940.	2.8	64
12	Default mode network deactivation during emotion processing predicts early antidepressant response. <i>Translational Psychiatry</i> , 2017, 7, e1008-e1008.	2.4	63
13	Application of image-derived and venous input functions in major depression using [carbonyl-11C]WAY-100635. <i>Nuclear Medicine and Biology</i> , 2013, 40, 371-377.	0.3	62
14	Reduced task durations in functional PET imaging with [18F]FDG approaching that of functional MRI. <i>NeuroImage</i> , 2018, 181, 323-330.	2.1	59
15	Regional differences in SERT occupancy after acute and prolonged SSRI intake investigated by brain PET. <i>NeuroImage</i> , 2014, 88, 252-262.	2.1	54
16	Modeling Strategies for Quantification of In Vivo <sup>18</sup> F-AV-1451 Binding in Patients with Tau Pathology. <i>Journal of Nuclear Medicine</i> , 2017, 58, 623-631.	2.8	53
17	Escitalopram Enhances the Association of Serotonin-1A Autoreceptors to Heteroreceptors in Anxiety Disorders. <i>Journal of Neuroscience</i> , 2010, 30, 14482-14489.	1.7	52
18	Attenuated serotonin transporter association between dorsal raphe and ventral striatum in major depression. <i>Human Brain Mapping</i> , 2014, 35, 3857-3866.	1.9	50

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19	Effects of Selective Serotonin Reuptake Inhibitors on Interregional Relation of Serotonin Transporter Availability in Major Depression. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 48.	1.0	50
20	Effects of Silexan on the Serotonin-1A Receptor and Microstructure of the Human Brain: A Randomized, Placebo-Controlled, Double-Blind, Cross-Over Study with Molecular and Structural Neuroimaging. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyu063-pyu063.	1.0	49
21	Reconfiguration of functional brain networks and metabolic cost converge during task performance. <i>ELife</i> , 2020, 9, .	2.8	49
22	Testosterone affects language areas of the adult human brain. <i>Human Brain Mapping</i> , 2016, 37, 1738-1748.	1.9	47
23	Subcortical gray matter changes in transgender subjects after long-term cross-sex hormone administration. <i>Psychoneuroendocrinology</i> , 2016, 74, 371-379.	1.3	46
24	Comparing neural response to painful electrical stimulation with functional MRI at 3 and 7T. <i>NeuroImage</i> , 2013, 82, 336-343.	2.1	45
25	The Norepinephrine Transporter in Attention-Deficit/Hyperactivity Disorder Investigated With Positron Emission Tomography. <i>JAMA Psychiatry</i> , 2014, 71, 1340.	6.0	44
26	Voxel-based morphometry at ultra-high fields. A comparison of 7T and 3T MRI data. <i>NeuroImage</i> , 2015, 113, 207-216.	2.1	43
27	Towards quantitative [18F]FDG-PET/MRI of the brain: Automated MR-driven calculation of an image-derived input function for the non-invasive determination of cerebral glucose metabolic rates. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1516-1530.	2.4	42
28	Association Between Earliest Amyloid Uptake and Functional Connectivity in Cognitively Unimpaired Elderly. <i>Cerebral Cortex</i> , 2019, 29, 2173-2182.	1.6	39
29	Machine learning classification of ADHD and HC by multimodal serotonergic data. <i>Translational Psychiatry</i> , 2020, 10, 104.	2.4	39
30	Dissociations between glucose metabolism and blood oxygenation in the human default mode network revealed by simultaneous PET-fMRI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	39
31	Ketamine-dependent neuronal activation in healthy volunteers. <i>Brain Structure and Function</i> , 2017, 222, 1533-1542.	1.2	36
32	Task-relevant brain networks identified with simultaneous PET/MR imaging of metabolism and connectivity. <i>Brain Structure and Function</i> , 2018, 223, 1369-1378.	1.2	34
33	Effects of sex hormone treatment on white matter microstructure in individuals with gender dysphoria. <i>NeuroImage</i> , 2017, 150, 60-67.	2.1	30
34	Association of Protein Distribution and Gene Expression Revealed by PET and Post-Mortem Quantification in the Serotonergic System of the Human Brain. <i>Cerebral Cortex</i> , 2017, 27, 117-130.	1.6	30
35	Cerebral serotonin transporter asymmetry in females, males and male-to-female transsexuals measured by PET in vivo. <i>Brain Structure and Function</i> , 2014, 219, 171-183.	1.2	28
36	Serotonin-1A receptor binding is positively associated with gray matter volume – A multimodal neuroimaging study combining PET and structural MRI. <i>NeuroImage</i> , 2012, 63, 1091-1098.	2.1	27

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37	PET/MRI for Oncologic Brain Imaging: A Comparison of Standard MR-Based Attenuation Corrections with a Model-Based Approach for the Siemens mMR PET/MR System. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1519-1525.	2.8	27
38	Comparison of continuously acquired resting state and extracted analogues from active tasks. <i>Human Brain Mapping</i> , 2015, 36, 4053-4063.	1.9	26
39	Prediction of Autopsy Verified Neuropathological Change of Alzheimer's Disease Using Machine Learning and MRI. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 406.	1.7	26
40	Conditional Generative Adversarial Networks Aided Motion Correction of Dynamic <sup>18</sup> F-FDG PET Brain Studies. <i>Journal of Nuclear Medicine</i> , 2021, 62, 871-879.	2.8	26
41	Insights into Intrinsic Brain Networks based on Graph Theory and PET in right- compared to left-sided Temporal Lobe Epilepsy. <i>Scientific Reports</i> , 2016, 6, 28513.	1.6	24
42	Effects of testosterone treatment on hypothalamic neuroplasticity in female-to-male transgender individuals. <i>Brain Structure and Function</i> , 2018, 223, 321-328.	1.2	24
43	The effect of electroconvulsive therapy on cerebral monoamine oxidase A expression in treatment-resistant depression investigated using positron emission tomography. <i>Brain Stimulation</i> , 2019, 12, 714-723.	0.7	24
44	Effects of hormone replacement therapy on cerebral serotonin-1A receptor binding in postmenopausal women examined with [carbonyl-11C]WAY-100635. <i>Psychoneuroendocrinology</i> , 2014, 45, 1-10.	1.3	23
45	The pulvinar nucleus and antidepressant treatment: dynamic modeling of antidepressant response and remission with ultra-high field functional MRI. <i>Molecular Psychiatry</i> , 2019, 24, 746-756.	4.1	23
46	Imaging the neuroplastic effects of ketamine with VBM and the necessity of placebo control. <i>NeuroImage</i> , 2017, 147, 198-203.	2.1	22
47	Making Sense of Connectivity. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 194-207.	1.0	22
48	Gender transition affects neural correlates of empathy: A resting state functional connectivity study with ultra high-field 7T MR imaging. <i>NeuroImage</i> , 2016, 138, 257-265.	2.1	21
49	Altered interregional molecular associations of the serotonin transporter in attention deficit/hyperactivity disorder assessed with PET. <i>Human Brain Mapping</i> , 2017, 38, 792-802.	1.9	21
50	Utility of Absolute Quantification in Non-lesional Extratemporal Lobe Epilepsy Using FDG PET/MR Imaging. <i>Frontiers in Neurology</i> , 2020, 11, 54.	1.1	21
51	Combining image-derived and venous input functions enables quantification of serotonin-1A receptors with [carbonyl-11C]WAY-100635 independent of arterial sampling. <i>NeuroImage</i> , 2012, 62, 199-206.	2.1	19
52	Relation of progesterone and DHEAS serum levels to 5-HT1A receptor binding potential in pre- and postmenopausal women. <i>Psychoneuroendocrinology</i> , 2014, 46, 52-63.	1.3	19
53	Simple and rapid quantification of serotonin transporter binding using [11C]DASB bolus plus constant infusion. <i>NeuroImage</i> , 2017, 149, 23-32.	2.1	19
54	Reliability of task-specific neuronal activation assessed with functional PET, ASL and BOLD imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2986-2999.	2.4	18

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55	Functional dynamics of dopamine synthesis during monetary reward and punishment processing. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2973-2985.	2.4	17
56	Individual Diversity of Functional Brain Network Economy. <i>Brain Connectivity</i> , 2015, 5, 156-165.	0.8	16
57	Changes in White Matter Microstructure After Electroconvulsive Therapy for Treatment-Resistant Depression. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 20-25.	1.0	16
58	Neuroplastic effects of a selective serotonin reuptake inhibitor in relearning and retrieval. <i>NeuroImage</i> , 2021, 236, 118039.	2.1	16
59	Promise of Fully Integrated PET/MRI: Noninvasive Clinical Quantification of Cerebral Glucose Metabolism. <i>Journal of Nuclear Medicine</i> , 2020, 61, 276-284.	2.8	15
60	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 542-550.	1.0	15
61	Reinforcement and Punishment Shape the Learning Dynamics in fMRI Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 304.	1.0	14
62	First-in-human brain PET imaging of the GluN2B-containing N-methyl-D-aspartate receptor with (R)-11C-Me-NB1. <i>Journal of Nuclear Medicine</i> , 2021, , jnumed.121.262427.	2.8	14
63	Association between dynamic resting-state functional connectivity and ketamine plasma levels in visual processing networks. <i>Scientific Reports</i> , 2019, 9, 11484.	1.6	13
64	Escitalopram modulates learning content-specific neuroplasticity of functional brain networks. <i>NeuroImage</i> , 2022, 247, 118829.	2.1	13
65	Interaction between 5-HTTLPR and 5-HT1B genotype status enhances cerebral 5-HT1A receptor binding. <i>NeuroImage</i> , 2015, 111, 505-512.	2.1	12
66	Parcellation of the Human Cerebral Cortex Based on Molecular Targets in the Serotonin System Quantified by Positron Emission Tomography In vivo. <i>Cerebral Cortex</i> , 2019, 29, 372-382.	1.6	12
67	Modeling the acute pharmacological response to selective serotonin reuptake inhibitors in human brain using simultaneous PET/MR imaging. <i>European Neuropsychopharmacology</i> , 2019, 29, 711-719.	0.3	11
68	Predicting Antidepressant Citalopram Treatment Response via Changes in Brain Functional Connectivity After Acute Intravenous Challenge. <i>Frontiers in Computational Neuroscience</i> , 2020, 14, 554186.	1.2	11
69	High-dose testosterone treatment reduces monoamine oxidase A levels in the human brain: A preliminary report. <i>Psychoneuroendocrinology</i> , 2021, 133, 105381.	1.3	11
70	Exploring the Impact of BDNF Val66Met Genotype on Serotonin Transporter and Serotonin-1A Receptor Binding. <i>PLoS ONE</i> , 2014, 9, e106810.	1.1	11
71	Impact of electroconvulsive therapy on 5-HT1A receptor binding in major depression. <i>Molecular Psychiatry</i> , 2013, 18, 1-1.	4.1	10
72	Topologically Guided Prioritization of Candidate Gene Transcripts Coexpressed with the 5-HT1A Receptor by Combining In Vivo PET and Allen Human Brain Atlas Data. <i>Cerebral Cortex</i> , 2020, 30, 3771-3780.	1.6	10

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73	Fully Integrated PET/MR Imaging for the Assessment of the Relationship Between Functional Connectivity and Glucose Metabolic Rate. <i>Frontiers in Neuroscience</i> , 2020, 14, 252.	1.4	10
74	Serotonergic modulation of effective connectivity in an associative relearning network during task and rest. <i>NeuroImage</i> , 2022, 249, 118887.	2.1	9
75	Learning induces coordinated neuronal plasticity of metabolic demands and functional brain networks. <i>Communications Biology</i> , 2022, 5, 428.	2.0	9
76	Epistasis of HTR1A and BDNF risk genes alters cortical 5-HT1A receptor binding: PET results link genotype to molecular phenotype in depression. <i>Translational Psychiatry</i> , 2019, 9, 5.	2.4	7
77	Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. <i>Brain Connectivity</i> , 2022, 12, 670-682.	0.8	7
78	Probing the association between serotonin-1A autoreceptor binding and amygdala reactivity in healthy volunteers. <i>NeuroImage</i> , 2018, 171, 1-5.	2.1	6
79	Serotonin Transporter Binding in the Human Brain After Pharmacological Challenge Measured Using PET and PET/MR. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 172.	1.4	6
80	White matter microstructure and volume correlates of premenstrual dysphoric disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2022, 47, E67-E76.	1.4	6
81	Predicting Ventral Striatal Activation During Reward Anticipation From Functional Connectivity at Rest. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 289.	1.0	5
82	Attenuation Correction Approaches for Serotonin Transporter Quantification With PET/MRI. <i>Frontiers in Physiology</i> , 2019, 10, 1422.	1.3	5
83	Brain glucose uptake during transcranial direct current stimulation measured with functional [18F]FDG-PET. <i>Brain Imaging and Behavior</i> , 2020, 14, 477-484.	1.1	5
84	Quantification of the radio-metabolites of the serotonin-1A receptor radioligand [carbonyl-11C]WAY-100635 in human plasma: An HPLC-assay which enables measurement of two patients in parallel. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2730-2736.	0.7	3
85	Give me a pain that I am used to: distinct habituation patterns to painful and non-painful stimulation. <i>Scientific Reports</i> , 2021, 11, 22929.	1.6	2
86	Multimodal imaging of an astrocytoma affecting the amygdalar region. <i>European Psychiatry</i> , 2011, 26, 924-924.	0.1	0
87	[P4â€“502]: THE EARLIEST STAGES OF AMYLOID ACCUMULATION ARE ASSOCIATED WITH INCREASED FUNCTIONAL CONNECTIVITY IN NONâ€“DEMENTED ELDERLY SUBJECTS. <i>Alzheimer's and Dementia</i> , 2017, 13, P1531.	0.4	0
88	F1â€“04â€“01: POSITIVE ASSOCIATION BETWEEN THE EARLIEST STAGE OF AMYLOID UPTAKE AND FUNCTIONAL CONNECTIVITY IN NONâ€“DEMENTED ELDERLY SUBJECTS. <i>Alzheimer's and Dementia</i> , 2018, 14, P206.	0.4	0
89	ICâ€“Pâ€“036: POSITIVE ASSOCIATION BETWEEN THE EARLIEST STAGE OF AMYLOID UPTAKE AND FUNCTIONAL CONNECTIVITY IN NONâ€“DEMENTED ELDERLY SUBJECTS. <i>Alzheimer's and Dementia</i> , 2018, 14, P39.	0.4	0