

Irene Neuner

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

2,221
citations

218677

26
h-index

265206

42
g-index

100
all docs

100
docs citations

100
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging the where and when of tic generation and resting state networks in adult Tourette patients. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 362.	2.0	140
2	High resolution BrainPET combined with simultaneous MRI. <i>Nuklearmedizin - NuclearMedicine</i> , 2011, 50, 74-82.	0.7	138
3	The Default Mode Network and EEG Regional Spectral Power: A Simultaneous fMRI-EEG Study. <i>PLoS ONE</i> , 2014, 9, e88214.	2.5	121
4	Deep Brain Stimulation in the Nucleus Accumbens for Intractable Tourette's Syndrome: Follow-Up Report of 36 Months. <i>Biological Psychiatry</i> , 2009, 65, e5-e6.	1.3	99
5	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. <i>NeuroImage</i> , 2010, 51, 1184-1193.	4.2	92
6	Advances in multimodal neuroimaging: Hybrid MRâ€“PET and MRâ€“PETâ€“EEG at 3T and 9.4T. <i>Journal of Magnetic Resonance</i> , 2013, 229, 101-115.	2.1	67
7	Multimodal imaging utilising integrated MR-PET for human brain tumour assessment. <i>European Radiology</i> , 2012, 22, 2568-2580.	4.5	64
8	Bithalamic Deep Brain Stimulation in Tourette Syndrome Is Associated with Reduction in Dopaminergic Transmission. <i>Biological Psychiatry</i> , 2009, 66, e15-e17.	1.3	55
9	Amygdala hypersensitivity in response to emotional faces in Tourette's patients. <i>World Journal of Biological Psychiatry</i> , 2010, 11, 858-872.	2.6	50
10	Diffusion kurtosis metrics as biomarkers of microstructural development: A comparative study of a group of children and a group of adults. <i>NeuroImage</i> , 2017, 144, 12-22.	4.2	47
11	Electrophysiology meets fMRI: Neural correlates of the startle reflex assessed by simultaneous EMGâ€“fMRI data acquisition. <i>Human Brain Mapping</i> , 2010, 31, 1675-1685.	3.6	43
12	Microstructure assessment of grey matter nuclei in adult tourette patients by diffusion tensor imaging. <i>Neuroscience Letters</i> , 2011, 487, 22-26.	2.1	40
13	In Vivo Evidence of Deep Brain Stimulation-Induced Dopaminergic Modulation in Tourette's Syndrome. <i>Biological Psychiatry</i> , 2012, 71, e11-e13.	1.3	40
14	TRIMAGE: A dedicated trimodality (PET/MR/EEG) imaging tool for schizophrenia. <i>European Psychiatry</i> , 2018, 50, 7-20.	0.2	40
15	Alterations in basal ganglia-cerebello-thalamo-cortical connectivity and whole brain functional network topology in Tourette's syndrome. <i>NeuroImage: Clinical</i> , 2019, 24, 101998.	2.7	40
16	Functional Neuroanatomy of Tics. <i>International Review of Neurobiology</i> , 2013, 112, 35-71.	2.0	38
17	Quantitative Thermal Perception Testing in 225 Children and Juveniles. <i>Journal of Clinical Neurophysiology</i> , 1998, 15, 529-534.	1.7	38
18	From psychosurgery to neuromodulation: Deep brain stimulation for intractable Tourette syndrome. <i>World Journal of Biological Psychiatry</i> , 2009, 10, 366-376.	2.6	35

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19	Aripiprazole in the pharmacotherapy of Gilles de la Tourette syndrome in adult patients. <i>World Journal of Biological Psychiatry</i> , 2009, 10, 827-831.	2.6	34
20	Increased Mitochondrial Aldehydedehydrogenase in the putamen of individuals with Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 1295-1301.	2.6	34
21	Refractoriness to pharmacological treatment for tics: A multicentre European audit. <i>Journal of the Neurological Sciences</i> , 2016, 366, 136-138.	0.6	33
22	EEG acquisition in ultra-high static magnetic fields up to 9.4T. <i>NeuroImage</i> , 2013, 68, 214-220.	4.2	32
23	Simultaneous EEG-fMRI acquisition at low, high and ultra-high magnetic fields up to 9.4T: Perspectives and challenges. <i>NeuroImage</i> , 2014, 102, 71-79.	4.2	32
24	Comparison of EEG microstates with resting state fMRI and FDG-PET measures in the default mode network via simultaneously recorded trimodal (PET/MR/EEG) data. <i>Human Brain Mapping</i> , 2021, 42, 4122-4133.	3.6	32
25	Quantitative thermal perception testing in preschool children. , 1996, 19, 381-383.		30
26	Highly abnormal thermotests in familial dysautonomia suggest increased cardiac autonomic risk. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1998, 65, 338-343.	1.9	29
27	Thalamic Deep Brain Stimulation for Tourette Syndrome. <i>Behavioural Neurology</i> , 2013, 27, 133-138.	2.1	29
28	Auditory Processing under Cross-Modal Visual Load Investigated with Simultaneous EEG-fMRI. <i>PLoS ONE</i> , 2012, 7, e52267.	2.5	28
29	Altered amygdala functional connectivity in adult Tourette's syndrome. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 95-99.	3.2	27
30	Nucleus Accumbens Deep Brain Stimulation Did Not Prevent Suicide Attempt in Tourette Syndrome. <i>Biological Psychiatry</i> , 2010, 68, e19-e20.	1.3	27
31	Altered motor network activation and functional connectivity in adult tourette's syndrome. <i>Human Brain Mapping</i> , 2011, 32, 2014-2026.	3.6	26
32	Surgery for Tourette Syndrome. <i>World Neurosurgery</i> , 2013, 80, S29.e15-S29.e22.	1.3	26
33	Attention to Detail: Why Considering Task Demands Is Essential for Single-Trial Analysis of BOLD Correlates of the Visual P1 and N1. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 529-542.	2.3	24
34	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. <i>PLoS ONE</i> , 2014, 9, e106609.	2.5	24
35	Statistical Instability of TBSS Analysis Based on DTI Fitting Algorithm. <i>Journal of Neuroimaging</i> , 2015, 25, 883-891.	2.0	23
36	Multimodal Fingerprints of Resting State Networks as assessed by Simultaneous Trimodal MR-PET-EEG Imaging. <i>Scientific Reports</i> , 2017, 7, 6452.	3.3	23

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37	Development and implementation of an MR-compatible whole body video system. <i>Neuroscience Letters</i> , 2007, 420, 122-127.	2.1	21
38	Wechsler Memory Scale Revised Edition: Neural correlates of the visual paired associates subtest adapted for fMRI. <i>Brain Research</i> , 2007, 1177, 66-78.	2.2	21
39	Effectiveness of aripiprazole in the treatment of adult Tourette patients up to 56 months. <i>Human Psychopharmacology</i> , 2012, 27, 364-369.	1.5	21
40	Excitatory-inhibitory balance within EEG microstates and resting-state fMRI networks: assessed via simultaneous trimodal PET-MR-EEG imaging. <i>Translational Psychiatry</i> , 2021, 11, 60.	4.8	21
41	Functional connectivity of supplementary motor area during finger-tapping in major depression. <i>Comprehensive Psychiatry</i> , 2020, 99, 152166.	3.1	20
42	mGluR5 receptor availability is associated with lower levels of negative symptoms and better cognition in male patients with chronic schizophrenia. <i>Human Brain Mapping</i> , 2020, 41, 2762-2781.	3.6	20
43	Relationship of regional cerebral blood flow and kinetic behaviour of O-(2-18F-fluoroethyl)-L-tyrosine uptake in cerebral gliomas. <i>Nuclear Medicine Communications</i> , 2014, 35, 245-251.	1.1	18
44	Deep Brain Stimulation for Tourette syndrome: The Current State of the Field. <i>Journal of Obsessive-Compulsive and Related Disorders</i> , 2014, 3, 401-406.	1.5	18
45	Removal of Pulse Artefact from EEG Data Recorded in MR Environment at 3T. Setting of ICA Parameters for Marking Artefactual Components: Application to Resting-State Data. <i>PLoS ONE</i> , 2014, 9, e112147.	2.5	15
46	The role of impulsivity in psychostimulant- and stress-induced dopamine release: Review of human imaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 78, 82-90.	6.1	15
47	Recording Visual Evoked Potentials and Auditory Evoked P300 at 9.4T Static Magnetic Field. <i>PLoS ONE</i> , 2013, 8, e62915.	2.5	15
48	Cortical Response Variation with Different Sound Pressure Levels: A Combined Event-Related Potentials and fMRI Study. <i>PLoS ONE</i> , 2014, 9, e109216.	2.5	15
49	Chronic Motor Tic Disorder and Aripiprazole. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2009, 21, 224-224.	1.8	13
50	Time-frequency analysis of resting state and evoked EEG data recorded at higher magnetic fields up to 9.4T. <i>Journal of Neuroscience Methods</i> , 2015, 255, 1-11.	2.5	13
51	GABA metabolism and its role in gamma-band oscillatory activity during auditory processing: An MRS and EEG study. <i>Human Brain Mapping</i> , 2017, 38, 3975-3987.	3.6	13
52	Olfactory functioning in adults with Tourette syndrome. <i>PLoS ONE</i> , 2018, 13, e0197598.	2.5	13
53	Fine motor skills in adult Tourette patients are task-dependent. <i>BMC Neurology</i> , 2012, 12, 120.	1.8	12
54	Simultaneous trimodal PET-MR-EEG imaging: Do EEG caps generate artefacts in PET images?. <i>PLoS ONE</i> , 2017, 12, e0184743.	2.5	11

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55	ONLINE-TICS: Internet-Delivered Behavioral Treatment for Patients with Chronic Tic Disorders. <i>Journal of Clinical Medicine</i> , 2022, 11, 250.	2.4	11
56	Spatiotemporal properties of auditory intensity processing in multisensor MEG. <i>NeuroImage</i> , 2014, 102, 465-473.	4.2	10
57	Microstructural and functional correlates of glutamate concentration in the posterior cingulate cortex. <i>Journal of Neuroscience Research</i> , 2017, 95, 1796-1808.	2.9	10
58	The expectant brainâ€™ pregnancy leads to changes in brain morphology in the early postpartum period. <i>Cerebral Cortex</i> , 2022, 32, 4025-4038.	2.9	10
59	MR-PET opens new horizons in neuroimaging. <i>Future Neurology</i> , 2010, 5, 807-815.	0.5	9
60	Simultaneous PET-MR-EEG: Technology, Challenges and Application in Clinical Neuroscience. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 377-385.	3.7	9
61	Methods for pulse artefact reduction: Experiences with EEG data recorded at 9.4T static magnetic field. <i>Journal of Neuroscience Methods</i> , 2014, 232, 110-117.	2.5	8
62	Common neurobiological correlates of resilience and personality traits within the triple resting-state brain networks assessed by 7-Tesla ultra-high field MRI. <i>Scientific Reports</i> , 2021, 11, 11564.	3.3	8
63	Testâ€™ retest stability of spontaneous brain activity and functional connectivity in the core restingâ€™state networks assessed with ultrahigh field <scp>7â€™Tesla</scp> restingâ€™state <scp>functional magnetic resonance imaging</scp>. <i>Human Brain Mapping</i> , 2022, 43, 2026-2040.	3.6	8
64	Dissociated Crossed Speech Areas in a Tumour Patient. <i>Case Reports in Neurology</i> , 2017, 9, 131-136.	0.7	7
65	Thalamic deep brain stimulation for Tourette syndrome. <i>Behavioural Neurology</i> , 2013, 27, 133-8.	2.1	7
66	mGluR5 binding changes during a mismatch negativity task in a multimodal protocol with [11C]ABP688 PET/MR-EEG. <i>Translational Psychiatry</i> , 2022, 12, 6.	4.8	7
67	7T ultra-high-field neuroimaging for mental health: an emerging tool for precision psychiatry?. <i>Translational Psychiatry</i> , 2022, 12, 36.	4.8	7
68	Advances in hybrid MRâ€™PET at 3T and 9.4T in humans. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 16-21.	1.6	5
69	Association between Cortical GABA and Loudness Dependence of Auditory Evoked Potentials (LDAEP) in Humans. <i>International Journal of Neuropsychopharmacology</i> , 2018, 21, 809-813.	2.1	5
70	Auditory mismatch processing: Role of paradigm and stimulus characteristics as detected by fMRI. <i>Biological Psychology</i> , 2020, 154, 107887.	2.2	5
71	Bias evaluation and reduction in 3D OP-OSEM reconstruction in dynamic equilibrium PET studies with 11C-labeled for binding potential analysis. <i>PLoS ONE</i> , 2021, 16, e0245580.	2.5	5
72	<scp>mGluR₅</scp> and <scp>GABA_A</scp> receptorâ€™specific parametric <scp>PET</scp> atlas constructionâ€™ <scp>PET</scp>/<scp>MR</scp> data processing pipeline, validation, and application. <i>Human Brain Mapping</i> , 2022, 43, 2148-2163.	3.6	5

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73	A meta-analysis on shared and distinct neural correlates of the decision-making underlying altruistic and retaliatory punishment. <i>Human Brain Mapping</i> , 2021, 42, 5547-5562.	3.6	4
74	Proactive vs. Reactive Aggression Within Two Modified Versions of the Taylor Aggression Paradigm. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 749041.	2.0	4
75	Deep Learning-based detection of psychiatric attributes from German mental health records. <i>International Journal of Medical Informatics</i> , 2022, 161, 104724.	3.3	4
76	Self-enucleation of the right eye by a 38-year-old woman diagnosed with schizoaffective disorder: a case report. <i>BMC Psychiatry</i> , 2020, 20, 563.	2.6	3
77	Multimodal imaging: Simultaneous EEG in a 3T Hybrid MR-PET system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 37-38.	1.6	2
78	Simultaneous trimodal MR-PET-EEG imaging for the investigation of resting state networks in humans. <i>EJNMMI Physics</i> , 2015, 2, A71.	2.7	2
79	Bolus infusion scheme for the adjustment of steady state [¹¹ C]Flumazenil levels in the grey matter and in the blood plasma for neuroreceptor imaging. <i>NeuroImage</i> , 2020, 221, 117160.	4.2	2
80	Altered functional connectivity during evaluation of self-relevance in women with borderline personality disorder. <i>NeuroImage: Clinical</i> , 2020, 27, 102324.	2.7	2
81	Deep Brain Stimulation in Tourette Syndrome. , 2012, , 113-129.		2
82	Dynamics of task-induced modulation of spontaneous brain activity and functional connectivity in the triple resting-state networks assessed using the visual oddball paradigm. <i>PLoS ONE</i> , 2021, 16, e0246709.	2.5	2
83	On utilizing uncertainty information in template-based EEG-fMRI ballistocardiogram artifact removal. <i>Psychophysiology</i> , 2015, 52, 857-863.	2.4	1
84	Novel Diffusion-Kurtosis-Informed Template Reduces Distortions due to Partial Volume Effects and Improves Statistical between-Group Comparisons. , 2017, 07, .		1
85	Connectivity Patterns in the Core Resting-State Networks and Their Influence on Cognition. <i>Brain Connectivity</i> , 2022, 12, 334-347.	1.7	1
86	Neural Circuit Abnormalities in Tourette Syndrome. , 2015, , 733-746.		0
87	Trimodal approach (PET/MR/EEG) of response inhibition as a possible biomarker for schizophrenia. <i>European Psychiatry</i> , 2016, 33, S88-S89.	0.2	0
88	Tic-Störungen und Tourette-Syndrom. , 2012, , 459-465.		0
89	Tic-Störungen und Tourette-Syndrom. , 2017, , 515-521.		0
90	CHAPTER 13. MR-PET Measurement. <i>New Developments in NMR</i> , 2018, , 273-287.	0.1	0

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91	CHAPTER 16. Brain. New Developments in NMR, 2018, , 317-332.	0.1	0