

Irene Neuner

List of Publications by Year in descending order

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91
papers

2,221
citations

218677

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265206

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100
all docs

100
docs citations

100
times ranked

2627
citing authors

#	ARTICLE	IF	CITATIONS
1	Connectivity Patterns in the Core Resting-State Networks and Their Influence on Cognition. <i>Brain Connectivity</i> , 2022, 12, 334-347.	1.7	1
2	ONLINE-TICS: Internet-Delivered Behavioral Treatment for Patients with Chronic Tic Disorders. <i>Journal of Clinical Medicine</i> , 2022, 11, 250.	2.4	11
3	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
4	Test-retest stability of spontaneous brain activity and functional connectivity in the core resting-state networks assessed with ultrahigh field 7-Tesla resting-state functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2022, 43, 2026-2040.	3.6	8
5	mGluR5 and GABA _A receptor-specific parametric PET atlas construction: PET/MR data processing pipeline, validation, and application. <i>Human Brain Mapping</i> , 2022, 43, 2148-2163.	3.6	5
6	7T ultra-high-field neuroimaging for mental health: an emerging tool for precision psychiatry?. <i>Translational Psychiatry</i> , 2022, 12, 36.	4.8	7
7	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
8	The expectant brain pregnancy leads to changes in brain morphology in the early postpartum period. <i>Cerebral Cortex</i> , 2022, 32, 4025-4038.	2.9	10
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Bolus infusion scheme for the adjustment of steady state [11C]Flumazenil levels in the grey matter and in the blood plasma for neuroreceptor imaging. <i>NeuroImage</i> , 2020, 221, 117160.	4.2	2
17	Altered functional connectivity during evaluation of self-relevance in women with borderline personality disorder. <i>NeuroImage: Clinical</i> , 2020, 27, 102324.	2.7	2
18	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

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19	Functional connectivity of supplementary motor area during finger-tapping in major depression. <i>Comprehensive Psychiatry</i> , 2020, 99, 152166.	3.1	20
20	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
21	Auditory mismatch processing: Role of paradigm and stimulus characteristics as detected by fMRI. <i>Biological Psychology</i> , 2020, 154, 107887.	2.2	5
22	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
23	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
24	TRIMAGE: A dedicated trimodality (PET/MR/EEG) imaging tool for schizophrenia. <i>European Psychiatry</i> , 2018, 50, 7-20.	0.2	40
25	Olfactory functioning in adults with Tourette syndrome. <i>PLoS ONE</i> , 2018, 13, e0197598.	2.5	13
26	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
27	CHAPTER 13. MR-PET Measurement. <i>New Developments in NMR</i> , 2018, , 273-287.	0.1	0
28	CHAPTER 16. Brain. <i>New Developments in NMR</i> , 2018, , 317-332.	0.1	0
29	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
30	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
31	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
32	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
33	Dissociated Crossed Speech Areas in a Tumour Patient. <i>Case Reports in Neurology</i> , 2017, 9, 131-136.	0.7	7
34	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
35	Novel Diffusion-Kurtosis-Informed Template Reduces Distortions due to Partial Volume Effects and Improves Statistical between-Group Comparisons. , 2017, 07, .		1
36	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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37	Tic-Störungen und Tourette-Syndrom. , 2017, , 515-521.		0
38	Trimodal approach (PET/MR/EEG) of response inhibition as a possible biomarker for schizophrenia. European Psychiatry, 2016, 33, S88-S89.	0.2	0
39	Refractoriness to pharmacological treatment for tics: A multicentre European audit. Journal of the Neurological Sciences, 2016, 366, 136-138.	0.6	33
40	Statistical Instability of TBSS Analysis Based on DTI Fitting Algorithm. Journal of Neuroimaging, 2015, 25, 883-891.	2.0	23
41	Simultaneous trimodal MR-PET-EEG imaging for the investigation of resting state networks in humans. EJNMMI Physics, 2015, 2, A71.	2.7	2
42	Time-frequency analysis of resting state and evoked EEG data recorded at higher magnetic fields up to 9.4T. Journal of Neuroscience Methods, 2015, 255, 1-11.	2.5	13
43	On utilizing uncertainty information in template-based EEG-fMRI ballistocardiogram artifact removal. Psychophysiology, 2015, 52, 857-863.	2.4	1
44	Neural Circuit Abnormalities in Tourette Syndrome. , 2015, , 733-746.		0
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. PLoS ONE, 2014, 9, e112147.	2.5	15
46	Imaging the where and when of tic generation and resting state networks in adult Tourette patients. Frontiers in Human Neuroscience, 2014, 8, 362.	2.0	140
47	Relationship of regional cerebral blood flow and kinetic behaviour of O-(2-18F-fluoroethyl)-L-tyrosine uptake in cerebral gliomas. Nuclear Medicine Communications, 2014, 35, 245-251.	1.1	18
48	Attention to Detail: Why Considering Task Demands Is Essential for Single-Trial Analysis of BOLD Correlates of the Visual P1 and N1. Journal of Cognitive Neuroscience, 2014, 26, 529-542.	2.3	24
49	Deep Brain Stimulation for Tourette syndrome: The Current State of the Field. Journal of Obsessive-Compulsive and Related Disorders, 2014, 3, 401-406.	1.5	18
50	Spatiotemporal properties of auditory intensity processing in multisensor MEG. NeuroImage, 2014, 102, 465-473.	4.2	10
51	Simultaneous EEG-fMRI acquisition at low, high and ultra-high magnetic fields up to 9.4T: Perspectives and challenges. NeuroImage, 2014, 102, 71-79.	4.2	32
52	Methods for pulse artefact reduction: Experiences with EEG data recorded at 9.4T static magnetic field. Journal of Neuroscience Methods, 2014, 232, 110-117.	2.5	8
53	The Default Mode Network and EEG Regional Spectral Power: A Simultaneous fMRI-EEG Study. PLoS ONE, 2014, 9, e88214.	2.5	121
54	GABA Concentration in Posterior Cingulate Cortex Predicts Putamen Response during Resting State fMRI. PLoS ONE, 2014, 9, e106609.	2.5	24

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55	Cortical Response Variation with Different Sound Pressure Levels: A Combined Event-Related Potentials and fMRI Study. PLoS ONE, 2014, 9, e109216.	2.5	15
56	Multimodal imaging: Simultaneous EEG in a 3T Hybrid MR-PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 37-38.	1.6	2
57	Advances in multimodal neuroimaging: Hybrid MR-PET and MR-PET-EEG at 3T and 9.4T. Journal of Magnetic Resonance, 2013, 229, 101-115.	2.1	67
58	EEG acquisition in ultra-high static magnetic fields up to 9.4T. NeuroImage, 2013, 68, 214-220.	4.2	32
59	Advances in hybrid MR-PET at 3T and 9.4T in humans. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 16-21.	1.6	5
60	Surgery for Tourette Syndrome. World Neurosurgery, 2013, 80, S29.e15-S29.e22.	1.3	26
61	Functional Neuroanatomy of Tics. International Review of Neurobiology, 2013, 112, 35-71.	2.0	38
62	Thalamic Deep Brain Stimulation for Tourette Syndrome. Behavioural Neurology, 2013, 27, 133-138.	2.1	29
63	Recording Visual Evoked Potentials and Auditory Evoked P300 at 9.4T Static Magnetic Field. PLoS ONE, 2013, 8, e62915.	2.5	15
64	Thalamic deep brain stimulation for Tourette syndrome. Behavioural Neurology, 2013, 27, 133-8.	2.1	7
65	Multimodal imaging utilising integrated MR-PET for human brain tumour assessment. European Radiology, 2012, 22, 2568-2580.	4.5	64
66	Fine motor skills in adult Tourette patients are task-dependent. BMC Neurology, 2012, 12, 120.	1.8	12
67	In Vivo Evidence of Deep Brain Stimulation-Induced Dopaminergic Modulation in Tourette's Syndrome. Biological Psychiatry, 2012, 71, e11-e13.	1.3	40
68	Auditory Processing under Cross-Modal Visual Load Investigated with Simultaneous EEG-fMRI. PLoS ONE, 2012, 7, e52267.	2.5	28
69	Effectiveness of aripiprazole in the treatment of adult Tourette patients up to 56 months. Human Psychopharmacology, 2012, 27, 364-369.	1.5	21
70	Tic-Störungen und Tourette-Syndrom. , 2012, , 459-465.		0
71	Deep Brain Stimulation in Tourette Syndrome. , 2012, , 113-129.		2
72	Microstructure assessment of grey matter nuclei in adult tourette patients by diffusion tensor imaging. Neuroscience Letters, 2011, 487, 22-26.	2.1	40

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73	Altered motor network activation and functional connectivity in adult tourette's syndrome. Human Brain Mapping, 2011, 32, 2014-2026.	3.6	26
74	High resolution BrainPET combined with simultaneous MRI. Nuklearmedizin - NuclearMedicine, 2011, 50, 74-82.	0.7	138
75	MR-PET opens new horizons in neuroimaging. Future Neurology, 2010, 5, 807-815.	0.5	9
76	Altered amygdala functional connectivity in adult Tourette's syndrome. European Archives of Psychiatry and Clinical Neuroscience, 2010, 260, 95-99.	3.2	27
77	Electrophysiology meets fMRI: Neural correlates of the startle reflex assessed by simultaneous EMG and fMRI data acquisition. Human Brain Mapping, 2010, 31, 1675-1685.	3.6	43
78	Increased Mitochondrial Aldehyde dehydrogenase in the putamen of individuals with Alzheimer's disease. Journal of Alzheimer's Disease, 2010, 19, 1295-1301.	2.6	34
79	Amygdala hypersensitivity in response to emotional faces in Tourette's patients. World Journal of Biological Psychiatry, 2010, 11, 858-872.	2.6	50
80	Nucleus Accumbens Deep Brain Stimulation Did Not Prevent Suicide Attempt in Tourette Syndrome. Biological Psychiatry, 2010, 68, e19-e20.	1.3	27
81	White-matter abnormalities in Tourette syndrome extend beyond motor pathways. NeuroImage, 2010, 51, 1184-1193.	4.2	92
82	Aripiprazole in the pharmacotherapy of Gilles de la Tourette syndrome in adult patients. World Journal of Biological Psychiatry, 2009, 10, 827-831.	2.6	34
83	Deep Brain Stimulation in the Nucleus Accumbens for Intractable Tourette's Syndrome: Follow-Up Report of 36 Months. Biological Psychiatry, 2009, 65, e5-e6.	1.3	99
84	Bithalamic Deep Brain Stimulation in Tourette Syndrome Is Associated with Reduction in Dopaminergic Transmission. Biological Psychiatry, 2009, 66, e15-e17.	1.3	55
85	From psychosurgery to neuromodulation: Deep brain stimulation for intractable Tourette syndrome. World Journal of Biological Psychiatry, 2009, 10, 366-376.	2.6	35
86	Chronic Motor Tic Disorder and Aripiprazole. Journal of Neuropsychiatry and Clinical Neurosciences, 2009, 21, 224-224.	1.8	13
87	Development and implementation of an MR-compatible whole body video system. Neuroscience Letters, 2007, 420, 122-127.	2.1	21
88	Wechsler Memory Scale Revised Edition: Neural correlates of the visual paired associates subtest adapted for fMRI. Brain Research, 2007, 1177, 66-78.	2.2	21
89	Highly abnormal thermotests in familial dysautonomia suggest increased cardiac autonomic risk. Journal of Neurology, Neurosurgery and Psychiatry, 1998, 65, 338-343.	1.9	29
90	Quantitative Thermal Perception Testing in 225 Children and Juveniles. Journal of Clinical Neurophysiology, 1998, 15, 529-534.	1.7	38

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91	Quantitative thermal perception testing in preschool children. , 1996, 19, 381-383.		30