Ronald Peeters

List of Publications by Year
in descending order

37 papers	1,018 citations	567281 15 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	1858 citing authors

#	Article	IF	Citations
1	Age-related microstructural differences quantified using myelin water imaging and advanced diffusion MRI. Neurobiology of Aging, 2015, 36, 2107-2121.	3.1	183
2	Characterizing the microstructural basis of â€œunidentified bright objectsâ€•in neurofibromatosis type 1: A combined in vivo multicomponent T2 relaxation and multi-shell diffusion MRI analysis. NeuroImage: Clinical, 2014, 4, 649-658.	2.7	92
3	Brain GABA Levels Are Associated with Inhibitory Control Deficits in Older Adults. Journal of Neuroscience, 2018, 38, 7844-7851.	3.6	82
4	Resting-State Functional Magnetic Resonance Imaging for Language Preoperative Planning. Frontiers in Human Neuroscience, 2016, 10, 11.	2.0	65
5	GABA levels and measures of intracortical and interhemispheric excitability in healthy young and older adults: an MRS-TMS study. Neurobiology of Aging, 2018, 65, 168-177.	3.1	62
6	Lateralization for dynamic facial expressions in human superior temporal sulcus. NeuroImage, 2015, 106, 340-352.	4.2	56
7	Recovery from chemotherapy-induced white matter changes in young breast cancer survivors?. Brain Imaging and Behavior, 2018, 12, 64-77.	2.1	52
8	Ageâ€•related differences in GABA levels are driven by bulk tissue changes. Human Brain Mapping, 2018, 39, 3652-3662.	3.6	47
9	Cross-modal representation of spoken and written word meaning in left pars triangularis. NeuroImage, 2017, 150, 292-307.	4.2	42
10	Left perirhinal cortex codes for similarity in meaning between written words: Comparison with auditory word input. Neuropsychologia, 2015, 76, 4-16.	1.6	34
11	Amygdala atrophy affects emotion-related activity in face-responsive regions in frontotemporal degeneration. Cortex, 2016, 82, 179-191.	2.4	34
12	Frequency drift in MR spectroscopy at 3T. NeuroImage, 2021, 241, 118430.	4.2	28
13	Advanced MR diffusion imaging and chemotherapyâ€•related changes in cerebral white matter microstructure of survivors of childhood bone and soft tissue sarcoma?. Human Brain Mapping, 2018, 39, 3375-3387.	3.6	23
14	Cholinergic depletion and basal forebrain volume in primary progressive aphasia. NeuroImage: Clinical, 2017, 13, 271-279.	2.7	22
15	Sensorimotor cortex neurometabolite levels as correlate of motor performance in normal aging: evidence from a 1H-MRS study. NeuroImage, 2019, 202, 116050.	4.2	22
16	Left perirhinal cortex codes for semantic similarity between written words defined from cued word association. NeuroImage, 2019, 191, 127-139.	4.2	18
17	Single-word comprehension deficits in the nonfluent variant of primary progressive aphasia. Alzheimer's Research and Therapy, 2018, 10, 68.	6.2	16
18	Distinct [18F]THK5351 binding patterns in primary progressive aphasia variants. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2342-2357.	6.4	16

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19	Brain responses to vestibular pain and its anticipation in women with Genito-Pelvic Pain/Penetration Disorder. NeuroImage: Clinical, 2017, 16, 477-490.	2.7	15
20	Characterization of a novel liquid fiducial marker for multimodal image guidance in stereotactic body radiotherapy of prostate cancer. Medical Physics, 2018, 45, 2205-2217.	3.0	15
21	Characterization of a rat orthotopic pancreatic head tumor model using threeâ€dimensional and quantitative multiâ€parametric MRI. NMR in Biomedicine, 2017, 30, e3676.	2.8	14
22	Lateralized effects of post-learning transcranial direct current stimulation on motor memory consolidation in older adults: An fMRI investigation. NeuroImage, 2020, 223, 117323.	4.2	12
23	Added Value of Quantitative Apparent Diffusion Coefficient Values for Neuroprognostication After Cardiac Arrest. Neurology, 2021, 96, e2611-e2618.	1.1	12
24	Visualization, Quantification and Characterization of Caerulein-Induced Acute Pancreatitis in Rats by 3.0T Clinical MRI, Biochemistry and Histomorphology. Theranostics, 2017, 7, 285-294.	10.0	11
25	Prospective Natural History Study in 24 Adult Patients With LGMDR12 Over 2 Years of Follow-up. Neurology, 2022, 99, .	1.1	9
26	Quantitative Analyses Help in Choosing Between Simultaneous vs. Separate EEG and fMRI. Frontiers in Neuroscience, 2018, 12, 1009.	2.8	8
27	Pancreatic imaging: Current status of clinical practices and small animal studies. World Journal of Methodology, 2017, 7, 101-107.	3.5	6
28	Safety of active auditory implants in magnetic resonance imaging. Journal of Otology, 2021, 16, 185-198.	1.0	6
29	Brain activation after nasal histamine provocation in house dust mite allergic rhinitis patients. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1879-1882.	5.7	5
30	Modulating the interhemispheric activity balance in the intraparietal sulcus using real-time fMRI neurofeedback: Development and proof-of-concept. NeuroImage: Clinical, 2020, 28, 102513.	2.7	3
31	Brain activation during non-habitual speech production: Revisiting the effects of simulated disfluencies in fluent speakers. PLoS ONE, 2020, 15, e0228452.	2.5	2
32	Development and characterization of a rat brain metastatic tumor model by multiparametric magnetic resonance imaging and histomorphology. Clinical and Experimental Metastasis, 2022, , 1.	3.3	2
33	Reliability and agreement of lumbar multifidus volume and fat fraction quantification using magnetic resonance imaging. Musculoskeletal Science and Practice, 2022, 59, 102532.	1.3	2
34	Task-Related Modulation of Sensorimotor GABA+ Levels in Association with Brain Activity and Motor Performance: A Multimodal MRSâ€“fMRI Study in Young and Older Adults. Journal of Neuroscience, 2022, 42, 1119-1130.	3.6	2
35	[P3â€“385]: VISUAL READING OF AMYLOIDâ€PET IN MCI CHALLENGED: SHOULD WE CONSIDER ALTERNATIVE METHODS?. Alzheimer's and Dementia, 2017, 13, P1107.	0.8	0
36	Reproducibility of T1 relaxation times in diagnostic MRI: A phantom study. Physics in Medicine, 2021, 12, 100038.	1.3	0

#	Article	IF	Citations
37	A Miniature, Fiber-Optic Vibrometer for Measuring Unintended Acoustic Output of Active Hearing Implants during Magnetic Resonance Imaging. Sensors, 2021, 21, 6589.	3.8	0