

# Martin Kronbichler

## List of Publications by Year in descending order

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105  
papers

6,564  
citations

61984  
43  
h-index

69250  
77  
g-index

107  
all docs

107  
docs citations

107  
times ranked

6239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional abnormalities in the dyslexic brain: A quantitative meta-analysis of neuroimaging studies. Human Brain Mapping, 2009, 30, 3299-3308.	3.6	413
2	Meta-analyzing brain dysfunctions in dyslexic children and adults. NeuroImage, 2011, 56, 1735-1742.	4.2	353
3	The visual word form area and the frequency with which words are encountered: evidence from a parametric fMRI study. NeuroImage, 2004, 21, 946-953.	4.2	292
4	Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. Brain, 2015, 138, 2619-2631.	7.6	290
5	Reading in the brain of children and adults: A meta-analysis of 40 functional magnetic resonance imaging studies. Human Brain Mapping, 2015, 36, 1963-1981.	3.6	252
6	Thinking of mental and other representations: The roles of left and right temporo-parietal junction. Social Neuroscience, 2006, 1, 245-258.	1.3	233
7	Do visual perspective tasks need theory of mind?. NeuroImage, 2006, 30, 1059-1068.	4.2	217
8	Structural abnormalities in the dyslexic brain: A meta-analysis of voxel-based morphometry studies. Human Brain Mapping, 2013, 34, 3055-3065.	3.6	203
9	Children with dyslexia lack multiple specializations along the visual word-form (VWF) system. NeuroImage, 2009, 47, 1940-1949.	4.2	201
10	Menstrual cycle and hormonal contraceptive use modulate human brain structure. Brain Research, 2010, 1348, 55-62.	2.2	161
11	Temporo-parietal Junction Activity in Theory-of-Mind Tasks: Falseness, Beliefs, or Attention. Journal of Cognitive Neuroscience, 2009, 21, 1179-1192.	2.3	160
12	Developmental dyslexia: Gray matter abnormalities in the occipitotemporal cortex. Human Brain Mapping, 2008, 29, 613-625.	3.6	149
13	Resting-State and Task-Based Functional Brain Connectivity in Developmental Dyslexia. Cerebral Cortex, 2015, 25, 3502-3514.	2.9	141
14	Taxi vs. Taksi: On Orthographic Word Recognition in the Left Ventral Occipitotemporal Cortex. Journal of Cognitive Neuroscience, 2007, 19, 1584-1594.	2.3	127
15	Computational mechanisms of curiosity and goal-directed exploration. ELife, 2019, 8, .	6.0	122
16	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. NeuroImage: Clinical, 2014, 4, 240-248.	2.7	119
17	Evidence for a dysfunction of left posterior reading areas in German dyslexic readers. Neuropsychologia, 2006, 44, 1822-1832.	1.6	117
18	A dual-route perspective on poor reading in a regular orthography: An fMRI study. Cortex, 2010, 46, 1284-1298.	2.4	115

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19	A dual-route perspective on brain activation in response to visual words: Evidence for a length by lexicality interaction in the visual word form area (VWFA). <i>NeuroImage</i> , 2010, 49, 2649-2661.	4.2	105
20	Dyslexic brain activation abnormalities in deep and shallow orthographies: A meta-analysis of 28 functional neuroimaging studies. <i>Human Brain Mapping</i> , 2016, 37, 2676-2699.	3.6	105
21	Deactivation of the Default Mode Network as a Marker of Impaired Consciousness: An fMRI Study. <i>PLoS ONE</i> , 2011, 6, e26373.	2.5	97
22	Impaired consciousness is linked to changes in effective connectivity of the posterior cingulate cortex within the default mode network. <i>NeuroImage</i> , 2015, 110, 101-109.	4.2	95
23	Perhaps correlational but not causal: No effect of dyslexic readers' magnocellular system on their eye movements during reading. <i>Neuropsychologia</i> , 2006, 44, 637-648.	1.6	92
24	Abnormal short latency afferent inhibition in early Alzheimer's disease: a transcranial magnetic demonstration. <i>Journal of Neural Transmission</i> , 2008, 115, 1557-1562.	2.8	88
25	Dyslexia: Verbal impairments in the absence of magnocellular impairments. <i>NeuroReport</i> , 2002, 13, 617-620.	1.2	86
26	Abnormal Brain Activation During Theory of Mind Tasks in Schizophrenia: A Meta-Analysis. <i>Schizophrenia Bulletin</i> , 2017, 43, 1240-1250.	4.3	85
27	A Common Left Occipito-Temporal Dysfunction in Developmental Dyslexia and Acquired Letter-By-Letter Reading?. <i>PLoS ONE</i> , 2010, 5, e12073.	2.5	85
28	Clarifying the role of theory of mind areas during visual perspective taking: Issues of spontaneity and domain-specificity. <i>NeuroImage</i> , 2015, 117, 386-396.	4.2	81
29	Optimal inference with suboptimal models: Addiction and active Bayesian inference. <i>Medical Hypotheses</i> , 2015, 84, 109-117.	1.5	80
30	Basal forebrain volume reliably predicts the cortical spread of Alzheimer's degeneration. <i>Brain</i> , 2020, 143, 993-1009.	7.6	79
31	Differential effects of androgenic and anti-androgenic progestins on fusiform and frontal gray matter volume and face recognition performance. <i>Brain Research</i> , 2015, 1596, 108-115.	2.2	73
32	Inhibitory effects of first syllable-frequency in lexical decision: an event-related potential study. <i>Neuroscience Letters</i> , 2004, 372, 179-184.	2.1	69
33	Evidence for surprise minimization over value maximization in choice behavior. <i>Scientific Reports</i> , 2015, 5, 16575.	3.3	63
34	Words in Context: The Effects of Length, Frequency, and Predictability on Brain Responses During Natural Reading. <i>Cerebral Cortex</i> , 2016, 26, 3889.2-3904.	2.9	63
35	Modulation of motor cortex excitability by different levels of whole-hand afferent electrical stimulation. <i>Clinical Neurophysiology</i> , 2012, 123, 193-199.	1.5	62
36	Impulsivity relates to striatal gray matter volumes in humans: evidence from a delay discounting paradigm. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 384.	2.0	61

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37	An algebraic variational multiscale“multigrid method for large eddy simulation of turbulent flow. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 853-864.	6.6	59
38	Mathematics anxiety reduces default mode network deactivation in response to numerical tasks. Frontiers in Human Neuroscience, 2015, 9, 202.	2.0	59
39	Hormonal contraceptives masculinize brain activation patterns in the absence of behavioral changes in two numerical tasks. Brain Research, 2014, 1543, 128-142.	2.2	55
40	Neural repetition suppression: evidence for perceptual expectation in object-selective regions. Frontiers in Human Neuroscience, 2014, 8, 225.	2.0	52
41	Connectivity biomarkers can differentiate patients with different levels of consciousness. Clinical Neurophysiology, 2014, 125, 1545-1555.	1.5	47
42	On the Functional Neuroanatomy of Visual Word Processing: Effects of Case and Letter Deviance. Journal of Cognitive Neuroscience, 2009, 21, 222-229.	2.3	46
43	Comparison of EEG-Features and Classification Methods for Motor Imagery in Patients with Disorders of Consciousness. PLoS ONE, 2013, 8, e80479.	2.5	46
44	Existential neuroscience: self-esteem moderates neuronal responses to mortality-related stimuli. Social Cognitive and Affective Neuroscience, 2014, 9, 1754-1761.	3.0	45
45	Topâ€down and bottomâ€up influences on the left ventral occipitoâ€temporal cortex during visual word recognition: An analysis of effective connectivity. Human Brain Mapping, 2014, 35, 1668-1680.	3.6	42
46	EEG frequency analysis of responses to the own-name stimulus. Clinical Neurophysiology, 2011, 122, 99-106.	1.5	41
47	Fixation-Related fMRI Analysis in the Domain of Reading Research: Using Self-Paced Eye Movements as Markers for Hemodynamic Brain Responses During Visual Letter String Processing. Cerebral Cortex, 2014, 24, 2647-2656.	2.9	41
48	Menstrual Cycle and Hormonal Contraceptive-Dependent Changes in Intrinsic Connectivity of Resting-State Brain Networks Correspond to Behavioral Changes Due to Hormonal Status. Brain Connectivity, 2016, 6, 572-585.	1.7	40
49	Abnormalities of functional brain networks in pathological gambling: a graph-theoretical approach. Frontiers in Human Neuroscience, 2013, 7, 625.	2.0	39
50	Preserved oscillatory response but lack of mismatch negativity in patients with disorders of consciousness. Clinical Neurophysiology, 2011, 122, 1744-1754.	1.5	37
51	Processing counterfactual and hypothetical conditionals: An fMRI investigation. Neurolmage, 2013, 72, 265-271.	4.2	37
52	Genetic algorithms for feature selection when classifying severe chronic disorders of consciousness. PLoS ONE, 2019, 14, e0219683.	2.5	35
53	Left ventral occipitotemporal activation during orthographic and semantic processing of auditory words. Neurolmage, 2016, 124, 834-842.	4.2	34
54	Existential neuroscience: neurophysiological correlates of proximal defenses against death-related thoughts. Social Cognitive and Affective Neuroscience, 2013, 8, 333-340.	3.0	33

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55	Increased motor cortical excitability after whole-hand electrical stimulation: A TMS study. <i>Clinical Neurophysiology</i> , 2010, 121, 248-254.	1.5	31
56	Accessing orthographic representations from speech: The role of left ventral occipitotemporal cortex in spelling. <i>Human Brain Mapping</i> , 2015, 36, 1393-1406.	3.6	31
57	Age-related differences in the neural correlates of empathy for pleasant and unpleasant touch in a female sample. <i>Neurobiology of Aging</i> , 2018, 65, 7-17.	3.1	30
58	Altered Motor Cortex Excitability to Magnetic Stimulation in Alcohol Withdrawal Syndrome. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 628-632.	2.4	28
59	Cuff-type pneumatic stimulator for studying somatosensory evoked responses with fMRI. <i>NeuroImage</i> , 2010, 50, 1067-1073.	4.2	28
60	Sex Differences in the Processing of Global vs. Local Stimulus Aspects in a Two-Digit Number Comparison Task – An fMRI Study. <i>PLoS ONE</i> , 2013, 8, e53824.	2.5	27
61	Menstrual cycle variations in the BOLD-response to a number bisection task: Implications for research on sex differences. <i>Brain Research</i> , 2011, 1420, 37-47.	2.2	26
62	Real movement vs. motor imagery in healthy subjects. <i>International Journal of Psychophysiology</i> , 2013, 87, 35-41.	1.0	26
63	Differences in cerebral activation patterns in idiopathic inflammatory demyelination using the paced visual serial addition task: An fMRI study. <i>Journal of the Neurological Sciences</i> , 2006, 244, 11-16.	0.6	25
64	Visual Experience Shapes Orthographic Representations in the Visual Word Form Area. <i>Psychological Science</i> , 2016, 27, 1240-1248.	3.3	25
65	The Importance of the Left Occipitotemporal Cortex in Developmental Dyslexia. <i>Current Developmental Disorders Reports</i> , 2018, 5, 1-8.	2.1	23
66	Distinct patterns of brain function in children with isolated spelling impairment: New insights. <i>Neuropsychologia</i> , 2012, 50, 1353-1361.	1.6	21
67	Action video gaming and the brain: <scp>fMRI</scp> effects without behavioral effects in visual and verbal cognitive tasks. <i>Brain and Behavior</i> , 2018, 8, e00877.	2.2	20
68	An algebraic variational multiscale-multigrid method for large-eddy simulation: generalized- $\hat{L}$ time integration, Fourier analysis and application to turbulent flow past a square-section cylinder. <i>Computational Mechanics</i> , 2011, 47, 217-233.	4.0	17
69	Inter-individual variability of oscillatory responses to subject's own name. A single-subject analysis. <i>International Journal of Psychophysiology</i> , 2011, 80, 227-235.	1.0	15
70	Opposite effects of visual and auditory word-likeness on activity in the visual word form area. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 491.	2.0	15
71	Self-Related Processing and Deactivation of Cortical Midline Regions in Disorders of Consciousness. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 504.	2.0	14
72	Many neighbors are not silent. fMRI evidence for global lexical activity in visual word recognition. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 423.	2.0	14

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73	FMRI to probe sex-related differences in brain function with multitasking. PLoS ONE, 2017, 12, e0181554.	2.5	14
74	Cholinergic dysfunction and amnesia in patients with Wernickeâ€“Korsakoff syndrome: a transcranial magnetic stimulation study. Journal of Neural Transmission, 2010, 117, 385-391.	2.8	12
75	Variability of Clinical Functional MR Imaging Results: A Multicenter Study. Radiology, 2013, 268, 521-531.	7.3	12
76	Erroneously Disgusted: fMRI Study Supports Disgust-Related Neural Reuse in Obsessive-Compulsive Disorder (OCD). Frontiers in Behavioral Neuroscience, 2019, 13, 81.	2.0	12
77	Individual OCD-provoking stimuli activate disorder-related and self-related neuronal networks in fMRI. Psychiatry Research - Neuroimaging, 2019, 283, 135-144.	1.8	12
78	Oral Contraceptives Modulate the Relationship Between Resting Brain Activity, Amygdala Connectivity and Emotion Recognition â€“ A Resting State fMRI Study. Frontiers in Behavioral Neuroscience, 2022, 16, 775796.	2.0	12
79	Cloze enough? Hemodynamic effects of predictive processing during natural reading. NeuroImage, 2021, 228, 117687.	4.2	11
80	Differentiating Self-Projection from Simulation during Mentalizing: Evidence from fMRI. PLoS ONE, 2015, 10, e0121405.	2.5	11
81	Peritraumatic Neural Processing and Intrusive Memories: The Role of Lifetime Adversity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 381-389.	1.5	9
82	Reduced intrinsic neural timescales in schizophrenia along posterior parietal and occipital areas. NPJ Schizophrenia, 2021, 7, 55.	3.6	9
83	Magnetic resonance imaging and motor-evoked potentials in spinal cord infarction: report of two cases. Neurological Sciences, 2010, 31, 505-509.	1.9	8
84	Reduced spontaneous perspective taking in schizophrenia. Psychiatry Research - Neuroimaging, 2019, 292, 5-12.	1.8	8
85	EEG-Response Consistency across Subjects in an Active Oddball Task. PLoS ONE, 2013, 8, e74572.	2.5	8
86	Schizophrenia and Category-Selectivity in the Brain: Normal for Faces but Abnormal for Houses. Frontiers in Psychiatry, 2018, 9, 47.	2.6	7
87	A model-guided dissociation between subcortical and cortical contributions to word recognition. Scientific Reports, 2019, 9, 4506.	3.3	7
88	Neural Processing During Fear Extinction Predicts Intrusive Memories. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 403-411.	1.5	7
89	Effective Connectivity of the Hippocampus Can Differentiate Patients with Schizophrenia from Healthy Controls: A Spectral DCM Approach. Brain Topography, 2021, 34, 762-778.	1.8	7
90	Pathologically reduced neural flexibility recovers during psychotherapy of OCD patients. NeuroImage: Clinical, 2021, 32, 102844.	2.7	7

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91	Between- and within-site variability of fMRI localizations. Human Brain Mapping, 2016, 37, 2151-2160.	3.6	6
92	Multi-level assessment of obsessive-compulsive disorder (OCD) reveals relations between neural and neurochemical levels. BMC Psychiatry, 2020, 20, 559.	2.6	6
93	Deficient Decision Making in Pathological Gamblers Correlates With Gray Matter Volume in Medial Orbitofrontal Cortex. Frontiers in Psychiatry, 2020, 11, 109.	2.6	6
94	The role of right supra-marginal gyrus and secondary somatosensory cortex in age-related differences in human emotional egocentricity. Neurobiology of Aging, 2022, 112, 102-110.	3.1	6
95	Language Dominance in Patients With Malformations of Cortical Development and Epilepsy. Frontiers in Neurology, 2019, 10, 1209.	2.4	5
96	Impact of non-CNS childhood cancer on resting-state connectivity and its association with cognition. Brain and Behavior, 2021, 11, e01931.	2.2	5
97	Usability and Potential of Geostatistics for Spatial Discrimination of Multiple Sclerosis Lesion Patterns. Journal of Neuroimaging, 2014, 24, 278-286.	2.0	4
98	Perceptual Expectations of Object Stimuli Modulate Repetition Suppression in a Delayed Repetition Design. Scientific Reports, 2018, 8, 12526.	3.3	4
99	Measuring visual perspective taking in the brain with avatars and arrows: Which question are we asking?. NeuroImage, 2018, 181, 814-817.	4.2	4
100	Functional Magnetic Resonance Imaging in the Final Stage of Creutzfeldt-Jakob Disease. Diagnostics, 2020, 10, 309.	2.6	1
101	Cortical Morphometry and Its Relationship with Cognitive Functions in Children after non-CNS Cancer. Developmental Neurorehabilitation, 2021, 24, 266-275.	1.1	1
102	Preserved intention understanding during moral judgments in schizophrenia. PLoS ONE, 2021, 16, e0251180.	2.5	1
103	Emotional Word Processing in Patients With Juvenile Myoclonic Epilepsy. Frontiers in Neurology, 0, 13, .	2.4	1
104	Functional magnetic resonance imaging under anaesthesia of a patient with severe chronic disorders of consciousness. Clinical Neurology and Neurosurgery, 2018, 172, 96-98.	1.4	0
105	Emotional Recognition in Patients With Mesial Temporal Epilepsy Associated With Enlarged Amygdala. Frontiers in Neurology, 2021, 12, 803787.	2.4	0