

Martin Kronbichler

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

6,564
citations

61857

43
h-index

69108

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. <i>Human Brain Mapping</i> , 2009, 30, 3299-3308. | 1.9 | 413 |
| 2 | Meta-analyzing brain dysfunctions in dyslexic children and adults. <i>NeuroImage</i> , 2011, 56, 1735-1742. | 2.1 | 353 |
| 3 | The visual word form area and the frequency with which words are encountered: evidence from a parametric fMRI study. <i>NeuroImage</i> , 2004, 21, 946-953. | 2.1 | 292 |
| 4 | Intrinsic functional connectivity differentiates minimally conscious from unresponsive patients. <i>Brain</i> , 2015, 138, 2619-2631. | 3.7 | 290 |
| 5 | Reading in the brain of children and adults: A meta-analysis of 40 functional magnetic resonance imaging studies. <i>Human Brain Mapping</i> , 2015, 36, 1963-1981. | 1.9 | 252 |
| 6 | Thinking of mental and other representations: The roles of left and right temporo-parietal junction. <i>Social Neuroscience</i> , 2006, 1, 245-258. | 0.7 | 233 |
| 7 | Do visual perspective tasks need theory of mind?. <i>NeuroImage</i> , 2006, 30, 1059-1068. | 2.1 | 217 |
| 8 | Structural abnormalities in the dyslexic brain: A meta-analysis of voxel-based morphometry studies. <i>Human Brain Mapping</i> , 2013, 34, 3055-3065. | 1.9 | 203 |
| 9 | Children with dyslexia lack multiple specializations along the visual word-form (VWF) system. <i>NeuroImage</i> , 2009, 47, 1940-1949. | 2.1 | 201 |
| 10 | Menstrual cycle and hormonal contraceptive use modulate human brain structure. <i>Brain Research</i> , 2010, 1348, 55-62. | 1.1 | 161 |
| 11 | Temporo-parietal Junction Activity in Theory-of-Mind Tasks: Falseness, Beliefs, or Attention. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 1179-1192. | 1.1 | 160 |
| 12 | Developmental dyslexia: Gray matter abnormalities in the occipitotemporal cortex. <i>Human Brain Mapping</i> , 2008, 29, 613-625. | 1.9 | 149 |
| 13 | Resting-State and Task-Based Functional Brain Connectivity in Developmental Dyslexia. <i>Cerebral Cortex</i> , 2015, 25, 3502-3514. | 1.6 | 141 |
| 14 | Taxi vs. Taksi: On Orthographic Word Recognition in the Left Ventral Occipitotemporal Cortex. <i>Journal of Cognitive Neuroscience</i> , 2007, 19, 1584-1594. | 1.1 | 127 |
| 15 | Computational mechanisms of curiosity and goal-directed exploration. <i>ELife</i> , 2019, 8, . | 2.8 | 122 |
| 16 | Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <i>NeuroImage: Clinical</i> , 2014, 4, 240-248. | 1.4 | 119 |
| 17 | Evidence for a dysfunction of left posterior reading areas in German dyslexic readers. <i>Neuropsychologia</i> , 2006, 44, 1822-1832. | 0.7 | 117 |
| 18 | A dual-route perspective on poor reading in a regular orthography: An fMRI study. <i>Cortex</i> , 2010, 46, 1284-1298. | 1.1 | 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. | 2.1 | 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. | 1.9 | 105 |
| 21 | Deactivation of the Default Mode Network as a Marker of Impaired Consciousness: An fMRI Study. <i>PLoS ONE</i> , 2011, 6, e26373. | 1.1 | 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. | 2.1 | 95 |
| 23 | Perhaps correlational but not causal: No effect of dyslexic readers's magnocellular system on their eye movements during reading. <i>Neuropsychologia</i> , 2006, 44, 637-648. | 0.7 | 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. | 1.4 | 88 |
| 25 | Dyslexia: Verbal impairments in the absence of magnocellular impairments. <i>NeuroReport</i> , 2002, 13, 617-620. | 0.6 | 86 |
| 26 | Abnormal Brain Activation During Theory of Mind Tasks in Schizophrenia: A Meta-Analysis. <i>Schizophrenia Bulletin</i> , 2017, 43, 1240-1250. | 2.3 | 85 |
| 27 | A Common Left Occipito-Temporal Dysfunction in Developmental Dyslexia and Acquired Letter-By-Letter Reading?. <i>PLoS ONE</i> , 2010, 5, e12073. | 1.1 | 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. | 2.1 | 81 |
| 29 | Optimal inference with suboptimal models: Addiction and active Bayesian inference. <i>Medical Hypotheses</i> , 2015, 84, 109-117. | 0.8 | 80 |
| 30 | Basal forebrain volume reliably predicts the cortical spread of Alzheimer's degeneration. <i>Brain</i> , 2020, 143, 993-1009. | 3.7 | 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. | 1.1 | 73 |
| 32 | Inhibitory effects of first syllable-frequency in lexical decision: an event-related potential study. <i>Neuroscience Letters</i> , 2004, 372, 179-184. | 1.0 | 69 |
| 33 | Evidence for surprise minimization over value maximization in choice behavior. <i>Scientific Reports</i> , 2015, 5, 16575. | 1.6 | 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. | 1.6 | 63 |
| 35 | Modulation of motor cortex excitability by different levels of whole-hand afferent electrical stimulation. <i>Clinical Neurophysiology</i> , 2012, 123, 193-199. | 0.7 | 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. | 1.0 | 61 |

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|----|---|-----|-----------|
| 37 | An algebraic variational multiscaleâ€“multigrid method for large eddy simulation of turbulent flow. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2010, 199, 853-864. | 3.4 | 59 |
| 38 | Mathematics anxiety reduces default mode network deactivation in response to numerical tasks. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 202. | 1.0 | 59 |
| 39 | Hormonal contraceptives masculinize brain activation patterns in the absence of behavioral changes in two numerical tasks. <i>Brain Research</i> , 2014, 1543, 128-142. | 1.1 | 55 |
| 40 | Neural repetition suppression: evidence for perceptual expectation in object-selective regions. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 225. | 1.0 | 52 |
| 41 | Connectivity biomarkers can differentiate patients with different levels of consciousness. <i>Clinical Neurophysiology</i> , 2014, 125, 1545-1555. | 0.7 | 47 |
| 42 | On the Functional Neuroanatomy of Visual Word Processing: Effects of Case and Letter Deviance. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 222-229. | 1.1 | 46 |
| 43 | Comparison of EEG-Features and Classification Methods for Motor Imagery in Patients with Disorders of Consciousness. <i>PLoS ONE</i> , 2013, 8, e80479. | 1.1 | 46 |
| 44 | Existential neuroscience: self-esteem moderates neuronal responses to mortality-related stimuli. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1754-1761. | 1.5 | 45 |
| 45 | Topâ€“down and bottomâ€“up influences on the left ventral occipitoâ€“temporal cortex during visual word recognition: An analysis of effective connectivity. <i>Human Brain Mapping</i> , 2014, 35, 1668-1680. | 1.9 | 42 |
| 46 | EEG frequency analysis of responses to the own-name stimulus. <i>Clinical Neurophysiology</i> , 2011, 122, 99-106. | 0.7 | 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. <i>Cerebral Cortex</i> , 2014, 24, 2647-2656. | 1.6 | 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. <i>Brain Connectivity</i> , 2016, 6, 572-585. | 0.8 | 40 |
| 49 | Abnormalities of functional brain networks in pathological gambling: a graph-theoretical approach. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 625. | 1.0 | 39 |
| 50 | Preserved oscillatory response but lack of mismatch negativity in patients with disorders of consciousness. <i>Clinical Neurophysiology</i> , 2011, 122, 1744-1754. | 0.7 | 37 |
| 51 | Processing counterfactual and hypothetical conditionals: An fMRI investigation. <i>NeuroImage</i> , 2013, 72, 265-271. | 2.1 | 37 |
| 52 | Genetic algorithms for feature selection when classifying severe chronic disorders of consciousness. <i>PLoS ONE</i> , 2019, 14, e0219683. | 1.1 | 35 |
| 53 | Left ventral occipitotemporal activation during orthographic and semantic processing of auditory words. <i>NeuroImage</i> , 2016, 124, 834-842. | 2.1 | 34 |
| 54 | Existential neuroscience: neurophysiological correlates of proximal defenses against death-related thoughts. <i>Social Cognitive and Affective Neuroscience</i> , 2013, 8, 333-340. | 1.5 | 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. | 0.7 | 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. | 1.9 | 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. | 1.5 | 30 |
| 58 | Altered Motor Cortex Excitability to Magnetic Stimulation in Alcohol Withdrawal Syndrome. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 628-632. | 1.4 | 28 |
| 59 | Cuff-type pneumatic stimulator for studying somatosensory evoked responses with fMRI. <i>NeuroImage</i> , 2010, 50, 1067-1073. | 2.1 | 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. | 1.1 | 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. | 1.1 | 26 |
| 62 | Real movement vs. motor imagery in healthy subjects. <i>International Journal of Psychophysiology</i> , 2013, 87, 35-41. | 0.5 | 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. | 0.3 | 25 |
| 64 | Visual Experience Shapes Orthographic Representations in the Visual Word Form Area. <i>Psychological Science</i> , 2016, 27, 1240-1248. | 1.8 | 25 |
| 65 | The Importance of the Left Occipitotemporal Cortex in Developmental Dyslexia. <i>Current Developmental Disorders Reports</i> , 2018, 5, 1-8. | 0.9 | 23 |
| 66 | Distinct patterns of brain function in children with isolated spelling impairment: New insights. <i>Neuropsychologia</i> , 2012, 50, 1353-1361. | 0.7 | 21 |
| 67 | Action video gaming and the brain: fMRI effects without behavioral effects in visual and verbal cognitive tasks. <i>Brain and Behavior</i> , 2018, 8, e00877. | 1.0 | 20 |
| 68 | An algebraic variational multiscale-multigrid method for large-eddy simulation: generalized time integration, Fourier analysis and application to turbulent flow past a square-section cylinder. <i>Computational Mechanics</i> , 2011, 47, 217-233. | 2.2 | 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. | 0.5 | 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. | 1.0 | 15 |
| 71 | Self-Related Processing and Deactivation of Cortical Midline Regions in Disorders of Consciousness. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 504. | 1.0 | 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. | 1.0 | 14 |

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|----|---|-----|-----------|
| 73 | FMRI to probe sex-related differences in brain function with multitasking. <i>PLoS ONE</i> , 2017, 12, e0181554. | 1.1 | 14 |
| 74 | Cholinergic dysfunction and amnesia in patients with Wernickeâ€™s Korsakoff syndrome: a transcranial magnetic stimulation study. <i>Journal of Neural Transmission</i> , 2010, 117, 385-391. | 1.4 | 12 |
| 75 | Variability of Clinical Functional MR Imaging Results: A Multicenter Study. <i>Radiology</i> , 2013, 268, 521-531. | 3.6 | 12 |
| 76 | Erroneously Disgusted: fMRI Study Supports Disgust-Related Neural Reuse in Obsessive-Compulsive Disorder (OCD). <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 81. | 1.0 | 12 |
| 77 | Individual OCD-provoking stimuli activate disorder-related and self-related neuronal networks in fMRI. <i>Psychiatry Research - Neuroimaging</i> , 2019, 283, 135-144. | 0.9 | 12 |
| 78 | Oral Contraceptives Modulate the Relationship Between Resting Brain Activity, Amygdala Connectivity and Emotion Recognition â€” A Resting State fMRI Study. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 775796. | 1.0 | 12 |
| 79 | Cloze enough? Hemodynamic effects of predictive processing during natural reading. <i>NeuroImage</i> , 2021, 228, 117687. | 2.1 | 11 |
| 80 | Differentiating Self-Projection from Simulation during Mentalizing: Evidence from fMRI. <i>PLoS ONE</i> , 2015, 10, e0121405. | 1.1 | 11 |
| 81 | Peritraumatic Neural Processing and Intrusive Memories: The Role of Lifetime Adversity. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 381-389. | 1.1 | 9 |
| 82 | Reduced intrinsic neural timescales in schizophrenia along posterior parietal and occipital areas. <i>NPJ Schizophrenia</i> , 2021, 7, 55. | 2.0 | 9 |
| 83 | Magnetic resonance imaging and motor-evoked potentials in spinal cord infarction: report of two cases. <i>Neurological Sciences</i> , 2010, 31, 505-509. | 0.9 | 8 |
| 84 | Reduced spontaneous perspective taking in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2019, 292, 5-12. | 0.9 | 8 |
| 85 | EEG-Response Consistency across Subjects in an Active Oddball Task. <i>PLoS ONE</i> , 2013, 8, e74572. | 1.1 | 8 |
| 86 | Schizophrenia and Category-Selectivity in the Brain: Normal for Faces but Abnormal for Houses. <i>Frontiers in Psychiatry</i> , 2018, 9, 47. | 1.3 | 7 |
| 87 | A model-guided dissociation between subcortical and cortical contributions to word recognition. <i>Scientific Reports</i> , 2019, 9, 4506. | 1.6 | 7 |
| 88 | Neural Processing During Fear Extinction Predicts Intrusive Memories. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 403-411. | 1.1 | 7 |
| 89 | Effective Connectivity of the Hippocampus Can Differentiate Patients with Schizophrenia from Healthy Controls: A Spectral DCM Approach. <i>Brain Topography</i> , 2021, 34, 762-778. | 0.8 | 7 |
| 90 | Pathologically reduced neural flexibility recovers during psychotherapy of OCD patients. <i>NeuroImage: Clinical</i> , 2021, 32, 102844. | 1.4 | 7 |

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| 91 | Between- and within-site variability of fMRI localizations. <i>Human Brain Mapping</i> , 2016, 37, 2151-2160. | 1.9 | 6 |
| 92 | Multi-level assessment of obsessive-compulsive disorder (OCD) reveals relations between neural and neurochemical levels. <i>BMC Psychiatry</i> , 2020, 20, 559. | 1.1 | 6 |
| 93 | Deficient Decision Making in Pathological Gamblers Correlates With Gray Matter Volume in Medial Orbitofrontal Cortex. <i>Frontiers in Psychiatry</i> , 2020, 11, 109. | 1.3 | 6 |
| 94 | The role of right supra-marginal gyrus and secondary somatosensory cortex in age-related differences in human emotional egocentricity. <i>Neurobiology of Aging</i> , 2022, 112, 102-110. | 1.5 | 6 |
| 95 | Language Dominance in Patients With Malformations of Cortical Development and Epilepsy. <i>Frontiers in Neurology</i> , 2019, 10, 1209. | 1.1 | 5 |
| 96 | Impact of non-CNS childhood cancer on resting-state connectivity and its association with cognition. <i>Brain and Behavior</i> , 2021, 11, e01931. | 1.0 | 5 |
| 97 | Usability and Potential of Geostatistics for Spatial Discrimination of Multiple Sclerosis Lesion Patterns. <i>Journal of Neuroimaging</i> , 2014, 24, 278-286. | 1.0 | 4 |
| 98 | Perceptual Expectations of Object Stimuli Modulate Repetition Suppression in a Delayed Repetition Design. <i>Scientific Reports</i> , 2018, 8, 12526. | 1.6 | 4 |
| 99 | Measuring visual perspective taking in the brain with avatars and arrows: Which question are we asking?. <i>NeuroImage</i> , 2018, 181, 814-817. | 2.1 | 4 |
| 100 | Functional Magnetic Resonance Imaging in the Final Stage of Creutzfeldt-Jakob Disease. <i>Diagnostics</i> , 2020, 10, 309. | 1.3 | 1 |
| 101 | Cortical Morphometry and Its Relationship with Cognitive Functions in Children after non-CNS Cancer. <i>Developmental Neurorehabilitation</i> , 2021, 24, 266-275. | 0.5 | 1 |
| 102 | Preserved intention understanding during moral judgments in schizophrenia. <i>PLoS ONE</i> , 2021, 16, e0251180. | 1.1 | 1 |
| 103 | Emotional Word Processing in Patients With Juvenile Myoclonic Epilepsy. <i>Frontiers in Neurology</i> , 0, 13, . | 1.1 | 1 |
| 104 | Functional magnetic resonance imaging under anaesthesia of a patient with severe chronic disorders of consciousness. <i>Clinical Neurology and Neurosurgery</i> , 2018, 172, 96-98. | 0.6 | 0 |
| 105 | Emotional Recognition in Patients With Mesial Temporal Epilepsy Associated With Enlarged Amygdala. <i>Frontiers in Neurology</i> , 2021, 12, 803787. | 1.1 | 0 |