

# Ian J Kirk

## List of Publications by Year in descending order

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94  
papers

4,030  
citations

117625

34  
h-index

128289

60  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4184  
citing authors

#	ARTICLE	IF	CITATIONS
1	A callosal biomarker of behavioral intervention outcomes for autism spectrum disorder? A case-control feasibility study with diffusion tensor imaging. PLoS ONE, 2022, 17, e0262563.	2.5	1
2	Reproducibility and repeatability of magnetic resonance imaging in dementia. Physica Medica, 2022, 101, 8-17.	0.7	4
3	Human EEG and the mechanisms of memory: investigating long-term potentiation (LTP) in sensory-evoked potentials. Journal of the Royal Society of New Zealand, 2021, 51, 24-40.	1.9	12
4	Personalised predictive modelling with brain-inspired spiking neural networks of longitudinal MRI neuroimaging data and the case study of dementia. Neural Networks, 2021, 144, 522-539.	5.9	13
5	Right frontal anxiolytic-sensitive EEG $\theta$ rhythm in the stop-signal task is a theory-based anxiety disorder biomarker. Scientific Reports, 2021, 11, 19746.	3.3	15
6	Spatial variation of perfusion MRI reflects cognitive decline in mild cognitive impairment and early dementia. Scientific Reports, 2021, 11, 23325.	3.3	10
7	Ketamine Enhances Visual Sensory Evoked Potential Long-term Potentiation in Patients With Major Depressive Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 45-55.	1.5	31
8	Methamphetamine induces neuronal death: Evidence from rodent studies. NeuroToxicology, 2020, 77, 20-28.	3.0	14
9	The role of Hebbian learning in human perception: a methodological and theoretical review of the human Visual Long-Term Potentiation paradigm. Neuroscience and Biobehavioral Reviews, 2020, 115, 220-237.	6.1	29
10	Human Sensory LTP Predicts Memory Performance and Is Modulated by the BDNF Val66Met Polymorphism. Frontiers in Human Neuroscience, 2019, 13, 22.	2.0	23
11	The brain-derived neurotrophic factor Val66Met genotype does not influence the grey or white matter structures underlying recognition memory. NeuroImage, 2019, 197, 1-12.	4.2	4
12	Mental Simulation of Facial Expressions: Mu Suppression to the Viewing of Dynamic Neutral Face Videos. Frontiers in Human Neuroscience, 2019, 13, 34.	2.0	17
13	Hex Maze: A new virtual maze able to track acquisition and usage of three navigation strategies. Behavioural Brain Research, 2018, 339, 195-206.	2.2	9
14	Atypical white matter microstructure in left-handed individuals. Laterality, 2017, 22, 257-267.	1.0	22
15	Decreased interhemispheric time transfer of visual information in adults with Autistic spectrum disorder using the Poffenberger paradigm. Research in Autism Spectrum Disorders, 2017, 43-44, 76-86.	1.5	3
16	High-intensity training enhances executive function in children in a randomized, placebo-controlled trial. ELife, 2017, 6, .	6.0	59
17	Musical training increases functional connectivity, but does not enhance mu suppression. Neuropsychologia, 2017, 104, 223-233.	1.6	6
18	Seven Pervasive Statistical Flaws in Cognitive Training Interventions. Frontiers in Human Neuroscience, 2016, 10, 153.	2.0	39

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19	Catechol-O-methyltransferase val158met Polymorphism Interacts with Sex to Affect Face Recognition Ability. <i>Frontiers in Psychology</i> , 2016, 7, 965.	2.1	5
20	Investigation of the effects of "piperazine-containing party pills"™ and dexamphetamine on interhemispheric communication using electroencephalography. <i>Psychopharmacology</i> , 2016, 233, 2869-2877.	3.1	3
21	Acute effects of BZP, TMFP and the combination of BZP and TMFP in comparison to dexamphetamine on an auditory oddball task using electroencephalography: a single-dose study. <i>Psychopharmacology</i> , 2016, 233, 863-871.	3.1	9
22	Mu rhythm suppression demonstrates action representation in pianists during passive listening of piano melodies. <i>Experimental Brain Research</i> , 2016, 234, 2133-2139.	1.5	19
23	Using fMRI to compare the effects of benzylpiperazine with dexamphetamine " Their differences during the Stroop paradigm. <i>Journal of Integrative Neuroscience</i> , 2016, 15, 109-122.	1.7	4
24	Influence of Physical Activity on Human Sensory Long-Term Potentiation. <i>Journal of the International Neuropsychological Society</i> , 2015, 21, 831-840.	1.8	29
25	Autism Spectrum Disorder and Co-Existing Conditions: A Lexical Decision ERP Study. <i>Clinical and Experimental Psychology</i> , 2015, 01, .	0.1	1
26	The brain-derived neurotrophic factor (BDNF) val66met polymorphism differentially affects performance on subscales of the Wechsler Memory Scale " Third Edition (WMS-III). <i>Frontiers in Psychology</i> , 2015, 6, 1212.	2.1	12
27	Brain-derived neurotrophic factor <scp>Val66Met</scp> polymorphism, human memory, and synaptic neuroplasticity. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2015, 6, 97-108.	2.8	31
28	Acute effects of the designer drugs benzylpiperazine (BZP) and trifluoromethylphenylpiperazine (TMFP) using functional magnetic resonance imaging (fMRI) and the Stroop task"a pilot study. <i>Psychopharmacology</i> , 2015, 232, 2969-2980.	3.1	6
29	P50 sensory gating deficits in schizotypy. <i>Personality and Individual Differences</i> , 2015, 82, 142-147.	2.9	14
30	Neural correlates of creative thinking and schizotypy. <i>Neuropsychologia</i> , 2015, 73, 94-107.	1.6	25
31	The Effects of Methylphenidate on Cognitive Control in Active Methamphetamine Dependence Using Functional Magnetic Resonance Imaging. <i>Frontiers in Psychiatry</i> , 2014, 5, 20.	2.6	19
32	Association Between Structural and Functional Connectivity in the Verb Generation Network. <i>Brain Connectivity</i> , 2014, 4, 221-229.	1.7	2
33	Perceived stress during pregnancy and the catechol-O-methyltransferase (COMT) rs165599 polymorphism impacts on childhood IQ. <i>Cognition</i> , 2014, 132, 461-470.	2.2	13
34	Differential responses to anticipation of reward after an acute dose of the designer drugs benzylpiperazine (BZP) and trifluoromethylphenylpiperazine (TMFP) alone and in combination using functional magnetic resonance imaging (fMRI). <i>Psychopharmacology</i> , 2013, 229, 673-685.	3.1	6
35	Reading the Wrong Way with the Right Hemisphere. <i>Brain Sciences</i> , 2013, 3, 1060-1075.	2.3	54
36	Earlier Visual N1 Latencies in Expert Video-Game Players: A Temporal Basis of Enhanced Visuospatial Performance?. <i>PLoS ONE</i> , 2013, 8, e75231.	2.5	16

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37	“If you leave it with me I will work it out”: The benefits and challenges in using mainstream devices as assistive technologies for people with disabilities. <i>Telecommunications Journal of Australia</i> , 2013, 63, .	0.2	1
38	Translating Long-Term Potentiation from Animals to Humans: A Novel Method for Noninvasive Assessment of Cortical Plasticity. <i>Biological Psychiatry</i> , 2012, 71, 496-502.	1.3	107
39	Impaired categorical perception of lexical tones in Mandarin-speaking congenital amusics. <i>Memory and Cognition</i> , 2012, 40, 1109-1121.	1.6	71
40	Lexical decision making in adults with dyslexia: an event-related potential study. <i>Ilha Do Desterro</i> , 2012, .	0.1	3
41	Amusia Results in Abnormal Brain Activity following Inappropriate Intonation during Speech Comprehension. <i>PLoS ONE</i> , 2012, 7, e41411.	2.5	30
42	Regional differences in cerebral asymmetries of human cortical white matter. <i>Neuropsychologia</i> , 2011, 49, 3599-3604.	1.6	13
43	Effects of trifluoromethylphenylpiperazine (TFMPP) on interhemispheric communication. <i>Psychopharmacology</i> , 2011, 213, 707-714.	3.1	4
44	Fine-Grained Pitch Discrimination in Congenital Amusics with Mandarin Chinese. <i>Music Perception</i> , 2011, 28, 519-526.	1.1	21
45	Determining the subjective effects of TFMPP in human males. <i>Psychopharmacology</i> , 2010, 211, 347-353.	3.1	69
46	Testing the repression hypothesis: Effects of emotional valence on memory suppression in the think “No think task. <i>Consciousness and Cognition</i> , 2010, 19, 281-293.	1.5	53
47	Processing melodic contour and speech intonation in congenital amusics with Mandarin Chinese. <i>Neuropsychologia</i> , 2010, 48, 2630-2639.	1.6	84
48	Long-term potentiation (LTP) of human sensory-evoked potentials. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 766-773.	2.8	45
49	Impaired sensorimotor integration in focal hand dystonia patients in the absence of symptoms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2010, 81, 659-665.	1.9	50
50	Neural activity during Stroop colour-word task performance in late proficient bilinguals: A functional Magnetic Resonance Imaging study.. <i>Psychology and Neuroscience</i> , 2009, 2, 125-136.	0.8	18
51	An ERP investigation of the Stroop task: The role of the cingulate in attentional allocation and conflict resolution. <i>Brain Research</i> , 2009, 1253, 139-148.	2.2	101
52	Atypical interhemispheric communication in left-handed individuals. <i>NeuroReport</i> , 2009, 20, 166-169.	1.2	26
53	Binocular rivalry reveals a dissociation between the subjective experience and induced gamma oscillations. <i>European Journal of Neuroscience</i> , 2008, 27, 213-216.	2.6	1
54	Brief Report: Atypical Social Cognition and Social Behaviours in Autism Spectrum Disorder: A Different Way of Processing Rather than an Impairment. <i>Journal of Autism and Developmental Disorders</i> , 2008, 38, 1989-1997.	2.7	38

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55	Frontal-midline theta from the perspective of hippocampal $\theta$ ; Progress in Neurobiology, 2008, 86, 156-185.	5.7	417
56	Induction of orientation-specific LTP-like changes in human visual evoked potentials by rapid sensory stimulation. Brain Research Bulletin, 2008, 76, 97-101.	3.0	61
57	Dual-task performance in late proficient bilinguals. Laterality, 2008, 13, 201-216.	1.0	14
58	The neural networks involved in pitch labeling of absolute pitch musicians. NeuroReport, 2008, 19, 851-854.	1.2	27
59	Interhemispheric callosal transfer in adults with attention-deficit/hyperactivity disorder: an event-related potential study. NeuroReport, 2007, 18, 255-259.	1.2	32
60	Neurophysiological responses to face, facial regions and objects in adults with Asperger's syndrome: An ERP investigation. International Journal of Psychophysiology, 2007, 63, 283-293.	1.0	79
61	Effects of memory load on hemispheric asymmetries of colour memory. Laterality, 2007, 12, 139-153.	1.0	6
62	Temporal dynamics of masked word reading. Consciousness and Cognition, 2007, 16, 112-123.	1.5	6
63	Volition and the idle cortex: Beta oscillatory activity preceding planned and spontaneous movement. Consciousness and Cognition, 2007, 16, 221-228.	1.5	11
64	Bilateral disadvantage: Lack of interhemispheric cooperation in schizophrenia. Consciousness and Cognition, 2007, 16, 436-444.	1.5	21
65	The unusual symmetry of musicians: Musicians have equilateral interhemispheric transfer for visual information. Neuropsychologia, 2007, 45, 2059-2065.	1.6	57
66	Induction of LTP-like changes in human auditory cortex by rapid auditory stimulation: an fMRI study. Restorative Neurology and Neuroscience, 2007, 25, 251-9.	0.7	30
67	Kinesthetic but not visual imagery assists in normalizing the CNV in Parkinson's disease. Clinical Neurophysiology, 2006, 117, 2308-2314.	1.5	22
68	Decreased desynchronization during self-paced movements in frequency bands involving sensorimotor integration and motor functioning in Parkinson's disease. Brain Research Bulletin, 2006, 71, 245-251.	3.0	14
69	Long-term enhanced desynchronization of the alpha rhythm following tetanic stimulation of human visual cortex. Neuroscience Letters, 2006, 398, 220-223.	2.1	25
70	Spatial frequency-specific potentiation of human visual-evoked potentials. NeuroReport, 2006, 17, 739-741.	1.2	53
71	Effects of long-term potentiation in the human visual cortex: a functional magnetic resonance imaging study. NeuroReport, 2005, 16, 1977-1980.	1.2	73
72	Early Visual Evoked Potentials in Callosal Agenesis.. Neuropsychology, 2005, 19, 707-727.	1.3	4

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73	Long-term potentiation of human visual evoked responses. <i>European Journal of Neuroscience</i> , 2005, 21, 2045-2050.	2.6	145
74	Right hemispheric dysfunction in schizophrenia. <i>Laterality</i> , 2005, 10, 29-35.	1.0	15
75	Lack of asymmetrical transfer for linguistic stimuli in schizophrenia: an ERP study. <i>Clinical Neurophysiology</i> , 2005, 116, 1019-1027.	1.5	56
76	The neurophysiological correlates of face processing in adults and children with Asperger's syndrome. <i>Brain and Cognition</i> , 2005, 59, 82-95.	1.8	124
77	Symmetry of callosal information transfer in schizophrenia: a preliminary study. <i>Schizophrenia Research</i> , 2005, 74, 171-178.	2.0	56
78	A possible role for non-gamma oscillations in conscious perception: Implications for hallucinations in schizophrenia. <i>Behavioral and Brain Sciences</i> , 2004, 27, 798-798.	0.7	0
79	Influence of Task Complexity on Manual Asymmetries. <i>Cortex</i> , 2004, 40, 103-110.	2.4	62
80	Anterior-posterior beta asymmetries in dyslexia during lexical decisions. <i>Brain and Language</i> , 2003, 84, 309-317.	1.6	20
81	Age-related improvements in auditory temporal resolution in reading-impaired children. <i>Dyslexia</i> , 2003, 9, 37-45.	1.5	93
82	The Role of Theta-Range Oscillations in Synchronising and Integrating Activity in Distributed Mnemonic Networks. <i>Cortex</i> , 2003, 39, 993-1008.	2.4	153
83	Aberrant Sensorimotor Integration in Musicians' Cramp Patients. <i>Journal of Psychophysiology</i> , 2003, 17, 195-202.	0.7	5
84	Comparison of the N300 and N400 ERPs to picture stimuli in congruent and incongruent contexts. <i>Clinical Neurophysiology</i> , 2002, 113, 1339-1350.	1.5	173
85	Impaired dodging in food-conflict following fimbria-fornix transection in rats: a novel hippocampal formation deficit. <i>Brain Research Bulletin</i> , 2002, 57, 565-573.	3.0	12
86	The effects of pre- and post-natal sunlight exposure on human growth: evidence from the Southern Hemisphere. <i>Early Human Development</i> , 2000, 60, 35-42.	1.8	51
87	Frequency Modulation of Hippocampal Theta by the Supramammillary Nucleus, and Other Hypothalamo-Hippocampal Interactions: Mechanisms and Functional Implications. <i>Neuroscience and Biobehavioral Reviews</i> , 1998, 22, 291-302.	6.1	111
88	Hippocampal formation is involved in movement selection: evidence from medial septal cholinergic modulation and concurrent slow-wave (theta rhythm) recording. <i>Behavioural Brain Research</i> , 1997, 88, 169-180.	2.2	45
89	Supramammillary Neural Discharge Patterns and Hippocampal EEG. <i>Brain Research Bulletin</i> , 1997, 42, 23-26.	3.0	27
90	Intraseptal Microinfusion of Muscimol: Effects on Hippocampal Formation Theta Field Activity and Phasic Theta-ON Cell Discharges. <i>Experimental Neurology</i> , 1996, 138, 286-297.	4.1	55

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91	Evidence for Differential Control of Posterior Hypothalamic, Supramammillary, and Medial Mammillary Theta-Related Cellular Discharge by Ascending and Descending Pathways. <i>Journal of Neuroscience</i> , 1996, 16, 5547-5554.	3.6	182
92	Classification of theta-related cells in the entorhinal cortex: Cell discharges are controlled by the ascending brainstem synchronizing pathway in parallel with hippocampal theta-related cells. <i>Hippocampus</i> , 1995, 5, 306-319.	1.9	72
93	Contribution of synapses in the medial supramammillary nucleus to the frequency of hippocampal theta rhythm in freely moving rats. <i>Hippocampus</i> , 1995, 5, 534-545.	1.9	97
94	Supramammillary cell firing and hippocampal rhythmical slow activity. <i>NeuroReport</i> , 1991, 2, 723.	1.2	205