

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	Frontal-midline theta from the perspective of hippocampal θ ; Progress in Neurobiology, 2008, 86, 156-185.	5.7	417
2	Supramammillary cell firing and hippocampal rhythmical slow activity. NeuroReport, 1991, 2, 723.	1.2	205
3	Evidence for Differential Control of Posterior Hypothalamic, Supramammillary, and Medial Mammillary Theta-Related Cellular Discharge by Ascending and Descending Pathways. Journal of Neuroscience, 1996, 16, 5547-5554.	3.6	182
4	Comparison of the N300 and N400 ERPs to picture stimuli in congruent and incongruent contexts. Clinical Neurophysiology, 2002, 113, 1339-1350.	1.5	173
5	The Role of Theta-Range Oscillations in Synchronising and Integrating Activity in Distributed Mnemonic Networks. Cortex, 2003, 39, 993-1008.	2.4	153
6	Long-term potentiation of human visual evoked responses. European Journal of Neuroscience, 2005, 21, 2045-2050.	2.6	145
7	The neurophysiological correlates of face processing in adults and children with Asperger's syndrome. Brain and Cognition, 2005, 59, 82-95.	1.8	124
8	Frequency Modulation of Hippocampal Theta by the Supramammillary Nucleus, and Other Hypothalamic-Hippocampal Interactions: Mechanisms and Functional Implications. Neuroscience and Biobehavioral Reviews, 1998, 22, 291-302.	6.1	111
9	Translating Long-Term Potentiation from Animals to Humans: A Novel Method for Noninvasive Assessment of Cortical Plasticity. Biological Psychiatry, 2012, 71, 496-502.	1.3	107
10	An ERP investigation of the Stroop task: The role of the cingulate in attentional allocation and conflict resolution. Brain Research, 2009, 1253, 139-148.	2.2	101
11	Contribution of synapses in the medial supramammillary nucleus to the frequency of hippocampal theta rhythm in freely moving rats. Hippocampus, 1995, 5, 534-545.	1.9	97
12	Age-related improvements in auditory temporal resolution in reading-impaired children. Dyslexia, 2003, 9, 37-45.	1.5	93
13	Processing melodic contour and speech intonation in congenital amusics with Mandarin Chinese. Neuropsychologia, 2010, 48, 2630-2639.	1.6	84
14	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
15	Effects of long-term potentiation in the human visual cortex: a functional magnetic resonance imaging study. NeuroReport, 2005, 16, 1977-1980.	1.2	73
16	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. Hippocampus, 1995, 5, 306-319.	1.9	72
17	Impaired categorical perception of lexical tones in Mandarin-speaking congenital amusics. Memory and Cognition, 2012, 40, 1109-1121.	1.6	71
18	Determining the subjective effects of TFMPP in human males. Psychopharmacology, 2010, 211, 347-353.	3.1	69

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19	Influence of Task Complexity on Manual Asymmetries. <i>Cortex</i> , 2004, 40, 103-110.	2.4	62
20	Induction of orientation-specific LTP-like changes in human visual evoked potentials by rapid sensory stimulation. <i>Brain Research Bulletin</i> , 2008, 76, 97-101.	3.0	61
21	High-intensity training enhances executive function in children in a randomized, placebo-controlled trial. <i>ELife</i> , 2017, 6, .	6.0	59
22	The unusual symmetry of musicians: Musicians have equilateral interhemispheric transfer for visual information. <i>Neuropsychologia</i> , 2007, 45, 2059-2065.	1.6	57
23	Lack of asymmetrical transfer for linguistic stimuli in schizophrenia: an ERP study. <i>Clinical Neurophysiology</i> , 2005, 116, 1019-1027.	1.5	56
24	Symmetry of callosal information transfer in schizophrenia: a preliminary study. <i>Schizophrenia Research</i> , 2005, 74, 171-178.	2.0	56
25	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
26	Reading the Wrong Way with the Right Hemisphere. <i>Brain Sciences</i> , 2013, 3, 1060-1075.	2.3	54
27	Spatial frequency-specific potentiation of human visual-evoked potentials. <i>NeuroReport</i> , 2006, 17, 739-741.	1.2	53
28	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
29	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
30	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
31	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
32	Long-term potentiation (LTP) of human sensory-evoked potentials. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 766-773.	2.8	45
33	Seven Pervasive Statistical Flaws in Cognitive Training Interventions. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 153.	2.0	39
34	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
35	Interhemispheric callosal transfer in adults with attention-deficit/hyperactivity disorder: an event-related potential study. <i>NeuroReport</i> , 2007, 18, 255-259.	1.2	32
36	Brain-derived neurotrophic factor <sc>Val66Met</sc> polymorphism, human memory, and synaptic neuroplasticity. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2015, 6, 97-108.	2.8	31

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37	Ketamine Enhances Visual Sensory Evoked Potential Long-term Potentiation in Patients With Major Depressive Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 45-55.	1.5	31
38	Amusia Results in Abnormal Brain Activity following Inappropriate Intonation during Speech Comprehension. <i>PLoS ONE</i> , 2012, 7, e41411.	2.5	30
39	Induction of LTP-like changes in human auditory cortex by rapid auditory stimulation: an fMRI study. <i>Restorative Neurology and Neuroscience</i> , 2007, 25, 251-9.	0.7	30
40	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
41	The role of Hebbian learning in human perception: a methodological and theoretical review of the human Visual Long-Term Potentiation paradigm. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 115, 220-237.	6.1	29
42	Supramammillary Neural Discharge Patterns and Hippocampal EEG. <i>Brain Research Bulletin</i> , 1997, 42, 23-26.	3.0	27
43	The neural networks involved in pitch labeling of absolute pitch musicians. <i>NeuroReport</i> , 2008, 19, 851-854.	1.2	27
44	Atypical interhemispheric communication in left-handed individuals. <i>NeuroReport</i> , 2009, 20, 166-169.	1.2	26
45	Long-term enhanced desynchronization of the alpha rhythm following tetanic stimulation of human visual cortex. <i>Neuroscience Letters</i> , 2006, 398, 220-223.	2.1	25
46	Neural correlates of creative thinking and schizotypy. <i>Neuropsychologia</i> , 2015, 73, 94-107.	1.6	25
47	Human Sensory LTP Predicts Memory Performance and Is Modulated by the BDNF Val66Met Polymorphism. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 22.	2.0	23
48	Kinesthetic but not visual imagery assists in normalizing the CNV in Parkinson's disease. <i>Clinical Neurophysiology</i> , 2006, 117, 2308-2314.	1.5	22
49	Atypical white matter microstructure in left-handed individuals. <i>Laterality</i> , 2017, 22, 257-267.	1.0	22
50	Bilateral disadvantage: Lack of interhemispheric cooperation in schizophrenia. <i>Consciousness and Cognition</i> , 2007, 16, 436-444.	1.5	21
51	Fine-Grained Pitch Discrimination in Congenital Amusics with Mandarin Chinese. <i>Music Perception</i> , 2011, 28, 519-526.	1.1	21
52	Anterior-posterior beta asymmetries in dyslexia during lexical decisions. <i>Brain and Language</i> , 2003, 84, 309-317.	1.6	20
53	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
54	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

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55	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
56	Mental Simulation of Facial Expressions: Mu Suppression to the Viewing of Dynamic Neutral Face Videos. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 34.	2.0	17
57	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
58	Right hemispheric dysfunction in schizophrenia. <i>Laterality</i> , 2005, 10, 29-35.	1.0	15
59	Right frontal anxiolytic-sensitive EEG θ rhythm in the stop-signal task is a theory-based anxiety disorder biomarker. <i>Scientific Reports</i> , 2021, 11, 19746.	3.3	15
60	Decreased desynchronisation during self-paced movements in frequency bands involving sensorimotor integration and motor functioning in Parkinson's disease. <i>Brain Research Bulletin</i> , 2006, 71, 245-251.	3.0	14
61	Dual-task performance in late proficient bilinguals. <i>Laterality</i> , 2008, 13, 201-216.	1.0	14
62	P50 sensory gating deficits in schizotypy. <i>Personality and Individual Differences</i> , 2015, 82, 142-147.	2.9	14
63	Methamphetamine induces neuronal death: Evidence from rodent studies. <i>NeuroToxicology</i> , 2020, 77, 20-28.	3.0	14
64	Regional differences in cerebral asymmetries of human cortical white matter. <i>Neuropsychologia</i> , 2011, 49, 3599-3604.	1.6	13
65	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
66	Personalised predictive modelling with brain-inspired spiking neural networks of longitudinal MRI neuroimaging data and the case study of dementia. <i>Neural Networks</i> , 2021, 144, 522-539.	5.9	13
67	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
68	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
69	Human EEG and the mechanisms of memory: investigating long-term potentiation (LTP) in sensory-evoked potentials. <i>Journal of the Royal Society of New Zealand</i> , 2021, 51, 24-40.	1.9	12
70	Volition and the idle cortex: Beta oscillatory activity preceding planned and spontaneous movement. <i>Consciousness and Cognition</i> , 2007, 16, 221-228.	1.5	11
71	Spatial variation of perfusion MRI reflects cognitive decline in mild cognitive impairment and early dementia. <i>Scientific Reports</i> , 2021, 11, 23325.	3.3	10
72	Acute effects of BZP, TFMPP and the combination of BZP and TFMPP 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

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73	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
74	Effects of memory load on hemispheric asymmetries of colour memory. Laterality, 2007, 12, 139-153.	1.0	6
75	Temporal dynamics of masked word reading. Consciousness and Cognition, 2007, 16, 112-123.	1.5	6
76	Differential responses to anticipation of reward after an acute dose of the designer drugs benzylpiperazine (BZP) and trifluoromethylphenylpiperazine (TFMPP) alone and in combination using functional magnetic resonance imaging (fMRI). Psychopharmacology, 2013, 229, 673-685.	3.1	6
77	Acute effects of the designer drugs benzylpiperazine (BZP) and trifluoromethylphenylpiperazine (TFMPP) using functional magnetic resonance imaging (fMRI) and the Stroop task—a pilot study. Psychopharmacology, 2015, 232, 2969-2980.	3.1	6
78	Musical training increases functional connectivity, but does not enhance mu suppression. Neuropsychologia, 2017, 104, 223-233.	1.6	6
79	Catechol-O-methyltransferase val158met Polymorphism Interacts with Sex to Affect Face Recognition Ability. Frontiers in Psychology, 2016, 7, 965.	2.1	5
80	Aberrant Sensorimotor Integration in Musicians' Cramp Patients. Journal of Psychophysiology, 2003, 17, 195-202.	0.7	5
81	Early Visual Evoked Potentials in Callosal Agenesis.. Neuropsychology, 2005, 19, 707-727.	1.3	4
82	Effects of trifluoromethylphenylpiperazine (TFMPP) on interhemispheric communication. Psychopharmacology, 2011, 213, 707-714.	3.1	4
83	Using fMRI to compare the effects of benzylpiperazine with dexamphetamine — Their differences during the Stroop paradigm. Journal of Integrative Neuroscience, 2016, 15, 109-122.	1.7	4
84	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
85	Reproducibility and repeatability of magnetic resonance imaging in dementia. Physica Medica, 2022, 101, 8-17.	0.7	4
86	Lexical decision making in adults with dyslexia: an event-related potential study. Ilha Do Desterro, 2012, .	0.1	3
87	Investigation of the effects of —piperazine-containing party pills—™ and dexamphetamine on interhemispheric communication using electroencephalography. Psychopharmacology, 2016, 233, 2869-2877.	3.1	3
88	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
89	Association Between Structural and Functional Connectivity in the Verb Generation Network. Brain Connectivity, 2014, 4, 221-229.	1.7	2
90	Binocular rivalry reveals a dissociation between the subjective experience and induced gamma oscillations. European Journal of Neuroscience, 2008, 27, 213-216.	2.6	1

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91	Autism Spectrum Disorder and Co-Existing Conditions: A Lexical Decision ERP Study. <i>Clinical and Experimental Psychology</i> , 2015, 01, .	0.1	1
92	“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
93	A callosal biomarker of behavioral intervention outcomes for autism spectrum disorder? A case-control feasibility study with diffusion tensor imaging. <i>PLoS ONE</i> , 2022, 17, e0262563.	2.5	1
94	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