

# Simon P Kelly

## List of Publications by Year in descending order

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78  
papers

7,128  
citations

81839

39  
h-index

71651

76  
g-index

91  
all docs

91  
docs citations

91  
times ranked

6836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Increases in Alpha Oscillatory Power Reflect an Active Retinotopic Mechanism for Distracter Suppression During Sustained Visuospatial Attention. <i>Journal of Neurophysiology</i> , 2006, 95, 3844-3851.	0.9	599
2	A supramodal accumulation-to-bound signal that determines perceptual decisions in humans. <i>Nature Neuroscience</i> , 2012, 15, 1729-1735.	7.1	585
3	An open resource for transdiagnostic research in pediatric mental health and learning disorders. <i>Scientific Data</i> , 2017, 4, 170181.	2.4	375
4	Internal and External Influences on the Rate of Sensory Evidence Accumulation in the Human Brain. <i>Journal of Neuroscience</i> , 2013, 33, 19434-19441.	1.7	331
5	The role of cingulate cortex in the detection of errors with and without awareness: a high-density electrical mapping study. <i>European Journal of Neuroscience</i> , 2007, 25, 2571-2579.	1.2	324
6	The classic P300 encodes a build-up-to-a-threshold decision variable. <i>European Journal of Neuroscience</i> , 2015, 42, 1636-1643.	1.2	301
7	Response variability in Attention Deficit Hyperactivity Disorder: Evidence for neuropsychological heterogeneity. <i>Neuropsychologia</i> , 2007, 45, 630-638.	0.7	231
8	Uncovering the Neural Signature of Lapsing Attention: Electrophysiological Signals Predict Errors up to 20 s before They Occur. <i>Journal of Neuroscience</i> , 2009, 29, 8604-8611.	1.7	230
9	Dissociation in performance of children with ADHD and high-functioning autism on a task of sustained attention. <i>Neuropsychologia</i> , 2007, 45, 2234-2245.	0.7	220
10	Spatial Attention Modulates Initial Afferent Activity in Human Primary Visual Cortex. <i>Cerebral Cortex</i> , 2008, 18, 2629-2636.	1.6	194
11	Visual Spatial Attention Tracking Using High-Density SSVEP Data for Independent Brain-Computer Communication. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2005, 13, 172-178.	2.7	188
12	The strength of anticipatory spatial biasing predicts target discrimination at attended locations: a high-density EEG study. <i>European Journal of Neuroscience</i> , 2009, 30, 2224-2234.	1.2	179
13	Visual Spatial Attention Control in an Independent Brain-Computer Interface. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 1588-1596.	2.5	152
14	Early Visual Sensory Deficits as Endophenotypes for Schizophrenia. <i>Archives of General Psychiatry</i> , 2006, 63, 1180.	13.8	145
15	Oscillatory Sensory Selection Mechanisms during Intersensory Attention to Rhythmic Auditory and Visual Inputs: A Human Electroencephalographic Investigation. <i>Journal of Neuroscience</i> , 2011, 31, 18556-18567.	1.7	145
16	Attention Strongly Modulates Reliability of Neural Responses to Naturalistic Narrative Stimuli. <i>Journal of Neuroscience</i> , 2016, 36, 3092-3101.	1.7	144
17	A parametric feature extraction and classification strategy for brain-computer interfacing. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2005, 13, 12-17.	2.7	138
18	Behavioural and physiological impairments of sustained attention after traumatic brain injury. <i>Cognitive Brain Research</i> , 2004, 20, 403-414.	3.3	133

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19	Bridging Neural and Computational Viewpoints on Perceptual Decision-Making. Trends in Neurosciences, 2018, 41, 838-852.	4.2	129
20	Optimal sustained attention is linked to the spectral content of background EEG activity: greater ongoing tonic alpha ( $\sim 10$ Hz) power supports successful phasic goal activation. European Journal of Neuroscience, 2007, 25, 900-907.	1.2	102
21	Differences in early sensory-perceptual processing in synesthesia: A visual evoked potential study. NeuroImage, 2008, 43, 605-613.	2.1	101
22	L-Theanine and Caffeine in Combination Affect Human Cognition as Evidenced by Oscillatory alpha-Band Activity and Attention Task Performance. Journal of Nutrition, 2008, 138, 1572S-1577S.	1.3	95
23	The neural processes underlying perceptual decision making in humans: Recent progress and future directions. Journal of Physiology (Paris), 2015, 109, 27-37.	2.1	93
24	Target Selection Signals Influence Perceptual Decisions by Modulating the Onset and Rate of Evidence Accumulation. Current Biology, 2016, 26, 496-502.	1.8	91
25	Multisensory processing of naturalistic objects in motion: A high-density electrical mapping and source estimation study. NeuroImage, 2007, 36, 877-888.	2.1	84
26	Assessing the effects of caffeine and theanine on the maintenance of vigilance during a sustained attention task. Neuropharmacology, 2012, 62, 2320-2327.	2.0	84
27	Visual sensory processing deficits in Schizophrenia and their relationship to disease state. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 305-316.	1.8	77
28	Decisions are expedited through multiple neural adjustments spanning the sensorimotor hierarchy. Nature Communications, 2018, 9, 3627.	5.8	74
29	Abstract and Effector-Selective Decision Signals Exhibit Qualitatively Distinct Dynamics before Delayed Perceptual Reports. Journal of Neuroscience, 2016, 36, 7346-7352.	1.7	72
30	The neurophysiology of human biological motion processing: A high-density electrical mapping study. NeuroImage, 2011, 56, 373-383.	2.1	67
31	Behavioural and neural signatures of perceptual decision-making are modulated by pupil-linked arousal. ELife, 2019, 8, .	2.8	64
32	The Effects of l-theanine on Alpha-Band Oscillatory Brain Activity During a Visuo-Spatial Attention Task. Brain Topography, 2009, 22, 44-51.	0.8	63
33	Absence of the 7-repeat variant of the DRD4 VNTR is associated with drifting sustained attention in children with ADHD but not in controls. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2008, 147B, 927-937.	1.1	62
34	Parietal neurons encode expected gains in instrumental information. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3315-E3323.	3.3	59
35	Dissociation in response to methylphenidate on response variability in a group of medication naïve children with ADHD. Neuropsychologia, 2008, 46, 1532-1541.	0.7	58
36	Neurophysiological markers of alert responding during goal-directed behavior: A high-density electrical mapping study. NeuroImage, 2005, 27, 587-601.	2.1	57

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37	Practice changes beta power at rest and its modulation during movement in healthy subjects but not in patients with <scp>P</scp>arkinson's disease. <i>Brain and Behavior</i> , 2015, 5, e00374.	1.0	56
38	The N1 auditory evoked potential component as an endophenotype for schizophrenia: high-density electrical mapping in clinically unaffected first-degree relatives, first-episode, and chronic schizophrenia patients. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 331-339.	1.8	52
39	Neurocomputational mechanisms of prior-informed perceptual decision-making in humans. <i>Nature Human Behaviour</i> , 2021, 5, 467-481.	6.2	49
40	A resource for assessing information processing in the developing brain using EEG and eye tracking. <i>Scientific Data</i> , 2017, 4, 170040.	2.4	48
41	What does polarity inversion of extrastriate activity tell us about striate contributions to the early VEP? A comment on Ales et al. (2010). <i>NeuroImage</i> , 2013, 76, 442-445.	2.1	46
42	Visual sensory processing deficits in patients with bipolar disorder revealed through high-density electrical mapping. <i>Journal of Psychiatry and Neuroscience</i> , 2009, 34, 459-64.	1.4	41
43	Exploiting individual primary visual cortex geometry to boost steady state visual evoked potentials. <i>Journal of Neural Engineering</i> , 2013, 10, 036003.	1.8	40
44	Response time variability under slow and fast incentive conditions in children with <scp>ASD</scp>, <scp>ADHD</scp> and <scp>ASD</scp>+<scp>ADHD</scp>. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 1414-1423.	3.1	40
45	Neurophysiology of Human Perceptual Decision-Making. <i>Annual Review of Neuroscience</i> , 2021, 44, 495-516.	5.0	40
46	The cruciform model of striate generation of the early VEP, re-illustrated, not revoked: A reply to Ales et al. (2013). <i>NeuroImage</i> , 2013, 82, 154-159.	2.1	39
47	Neural Activations during Visual Sequence Learning Leave a Trace in Post-Training Spontaneous EEG. <i>PLoS ONE</i> , 2013, 8, e65882.	1.1	38
48	Dynamic Interplay of Value and Sensory Information in High-Speed Decision Making. <i>Current Biology</i> , 2018, 28, 795-802.e6.	1.8	37
49	Increased Response-Time Variability Across Different Cognitive Tasks in Children With ADHD. <i>Journal of Attention Disorders</i> , 2014, 18, 434-446.	1.5	35
50	Electrophysiological indices of surround suppression in humans. <i>Journal of Neurophysiology</i> , 2015, 113, 1100-1109.	0.9	34
51	The Effects of Methylphenidate on the Neural Signatures of Sustained Attention. <i>Biological Psychiatry</i> , 2017, 82, 687-694.	0.7	34
52	Visual sensory processing deficits in first-episode patients with Schizophrenia. <i>Schizophrenia Research</i> , 2008, 102, 340-343.	1.1	30
53	Evidence of substantial development of inhibitory control and sustained attention between 6 and 8years of age on an unpredictable Go/No-Go task. <i>Journal of Experimental Child Psychology</i> , 2017, 157, 66-80.	0.7	28
54	Visuospatial Asymmetries Arise from Differences in the Onset Time of Perceptual Evidence Accumulation. <i>Journal of Neuroscience</i> , 2017, 37, 3378-3385.	1.7	28

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55	Sustained attention to a predictable, unengaging Go/No-Go task shows ongoing development between 6 and 11 years. <i>Attention, Perception, and Psychophysics</i> , 2017, 79, 1726-1741.	0.7	26
56	Antagonistic Interactions Between Microsaccades and Evidence Accumulation Processes During Decision Formation. <i>Journal of Neuroscience</i> , 2018, 38, 2163-2176.	1.7	26
57	Isolating endogenous visuo-spatial attentional effects using the novel visual-evoked spread spectrum analysis (VESPA) technique. <i>European Journal of Neuroscience</i> , 2007, 26, 3536-3542.	1.2	25
58	Reconciling age-related changes in behavioural and neural indices of human perceptual decision-making. <i>Nature Human Behaviour</i> , 2018, 2, 955-966.	6.2	25
59	Prepare for conflict: EEG correlates of the anticipation of target competition during overt and covert shifts of visual attention. <i>European Journal of Neuroscience</i> , 2010, 31, 1690-1700.	1.2	24
60	Machine learning for EEG-based biomarkers in Parkinson's disease. , 2018, , .		24
61	Early Spatial Attentional Modulation of Inputs to the Fovea. <i>Journal of Neuroscience</i> , 2010, 30, 4547-4551.	1.7	20
62	Tracking neural correlates of successful learning over repeated sequence observations. <i>NeuroImage</i> , 2016, 137, 152-164.	2.1	20
63	Auditory Scene Analysis: the interaction of stimulation rate and frequency separation on pre-attentive grouping. <i>European Journal of Neuroscience</i> , 2008, 27, 1271-1276.	1.2	19
64	The role of premature evidence accumulation in making difficult perceptual decisions under temporal uncertainty. <i>ELife</i> , 2019, 8, .	2.8	19
65	Effects of Stimulus Size and Contrast on the Initial Primary Visual Cortical Response in Humans. <i>Brain Topography</i> , 2017, 30, 450-460.	0.8	18
66	Ocular exposure to blue-enriched light has an asymmetric influence on neural activity and spatial attention. <i>Scientific Reports</i> , 2016, 6, 27754.	1.6	15
67	Generation of the VESPA response to rapid contrast fluctuations is dominated by striate cortex: Evidence from retinotopic mapping. <i>Neuroscience</i> , 2012, 218, 226-234.	1.1	11
68	Children born with very low birth weight show difficulties with sustained attention but not response inhibition. <i>Child Neuropsychology</i> , 2015, 21, 629-647.	0.8	10
69	Isolating early cortical generators of visual-evoked activity: a systems identification approach. <i>Experimental Brain Research</i> , 2012, 220, 191-199.	0.7	9
70	Rehabilitation of emergent awareness of errors post traumatic brain injury: A pilot intervention. <i>Neuropsychological Rehabilitation</i> , 2019, 29, 821-843.	1.0	8
71	Altered dynamics of visual contextual interactions in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2019, 5, 13.	2.5	7
72	Differential shift in spatial bias over time depends on observers' initial bias: Observer subtypes, or regression to the mean?. <i>Neuropsychologia</i> , 2014, 64, 33-40.	0.7	6

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73	Neurophysiological correlates of dual tasking in people with Parkinson's disease and freezing of gait. <i>Experimental Brain Research</i> , 2021, 239, 175-187.	0.7	6
74	Task dependence of early attention modulation: the plot thickens. <i>Cognitive Neuroscience</i> , 2018, 9, 24-26.	0.6	6
75	Which Measures From a Sustained Attention Task Best Predict ADHD Group Membership?. <i>Journal of Attention Disorders</i> , 2022, 26, 1471-1482.	1.5	6
76	Modulation of the Earliest Component of the Human VEP by Spatial Attention: An Investigation of Task Demands. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa045.	0.7	5
77	Neural Signature of Value-Based Sensorimotor Prioritization in Humans. <i>Journal of Neuroscience</i> , 2017, 37, 10725-10737.	1.7	3
78	The spatiotemporal characteristics of the C1 component and its modulation by attention. <i>Cognitive Neuroscience</i> , 2018, 9, 71-74.	0.6	3