# Redmond G O'connell

List of Publications by Year
in descending order



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|---|---|---|---|
| 69 papers | 5,642 citations | 126858 33 h-index | 98753 67 g-index |
| 80 all docs | 80 docs citations | 80 times ranked | 5403 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Neurocomputational mechanisms of prior-informed perceptual decision-making in humans. Nature Human Behaviour, 2021, 5, 467-481. | 6.2 | 49 |
| 2 | Distractors Selectively Modulate Electrophysiological Markers of Perceptual Decisions. Journal of Cognitive Neuroscience, 2021, 33, 1020-1031. | 1.1 | 5 |
| 3 | Model-Based Planning Deficits in Compulsivity Are Linked to Faulty Neural Representations of Task Structure. Journal of Neuroscience, 2021, 41, 6539-6550. | 1.7 | 17 |
| 4 | Neurophysiology of Human Perceptual Decision-Making. Annual Review of Neuroscience, 2021, 44, 495-516. | 5.0 | 40 |
| 5 | A neural index of inefficient evidence accumulation in dyslexia underlying slow perceptual decision making. Cortex, 2021, 142, 122-137. | 1.1 | 8 |
| 6 | Contralateral delay activity is not a robust marker of cognitive function in older adults at risk of mild cognitive impairment. European Journal of Neuroscience, 2020, 51, 2367-2375. | 1.2 | 2 |
| 7 | Can Neuroscience Change the Way We View Morality?. Neuron, 2020, 108, 604-607. | 3.8 | 7 |
| 8 | Impaired error awareness in healthy older adults: an age group comparison study. Neurobiology of Aging, 2020, 96, 58-67. | 1.5 | 10 |
| 9 | Evaluating the neurophysiological evidence for predictive processing as a model of perception. Annals of the New York Academy of Sciences, 2020, 1464, 242-268. | 1.8 | 152 |
| 10 | Evidence accumulation during perceptual decisions in humans varies as a function of dorsal frontoparietal organization. Nature Human Behaviour, 2020, 4, 844-855. | 6.2 | 30 |
| 11 | Neuropsychological Deficits in Adult ADHD: Evidence for Differential Attentional Impairments, Deficient Executive Functions, and High Self-Reported Functional Impairments. Journal of Attention Disorders, 2020, 24, 1413-1424. | 1.5 | 32 |
| 12 | Catecholamine Modulation of Evidence Accumulation during Perceptual Decision Formation: A Randomized Trial. Journal of Cognitive Neuroscience, 2019, 31, 1044-1053. | 1.1 | 12 |
| 13 | Behavioural and neural signatures of perceptual decision-making are modulated by pupil-linked arousal. ELife, 2019, 8, . | 2.8 | 64 |
| 14 | The role of premature evidence accumulation in making difficult perceptual decisions under temporal uncertainty. ELife, 2019, 8, . | 2.8 | 19 |
| 15 | Coupling of respiration and attention via the locus coeruleus: Effects of meditation and pranayama. Psychophysiology, 2018, 55, e13091. | 1.2 | 58 |
| 16 | Antagonistic Interactions Between Microsaccades and Evidence Accumulation Processes During Decision Formation. Journal of Neuroscience, 2018, 38, 2163-2176. | 1.7 | 26 |
| 17 | The impact of natural aging on computational and neural indices of perceptual decision making: A review. Behavioural Brain Research, 2018, 355, 48-55. | 1.2 | 36 |
| 18 | U-turns in the brain. Nature Neuroscience, 2018, 21, 461-462. | 7.1 | 2 |

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|---|---|---|---|
| 19 | Reconciling age-related changes in behavioural and neural indices of human perceptual decision-making. Nature Human Behaviour, 2018, 2, 955-966. | 6.2 | 25 |
| 20 | Decisions are expedited through multiple neural adjustments spanning the sensorimotor hierarchy. Nature Communications, 2018, 9, 3627. | 5.8 | 74 |
| 21 | Prefrontal Modulation of Visual Processing and Sustained Attention in Aging, a tDCSâ€“EEG Coregistration Approach. Journal of Cognitive Neuroscience, 2018, 30, 1630-1645. | 1.1 | 27 |
| 22 | Bridging Neural and Computational Viewpoints on Perceptual Decision-Making. Trends in Neurosciences, 2018, 41, 838-852. | 4.2 | 129 |
| 23 | Visuospatial Asymmetries Arise from Differences in the Onset Time of Perceptual Evidence Accumulation. Journal of Neuroscience, 2017, 37, 3378-3385. | 1.7 | 28 |
| 24 | The Effects of Methylphenidate on the Neural Signatures of Sustained Attention. Biological Psychiatry, 2017, 82, 687-694. | 0.7 | 34 |
| 25 | Parsing the neural signatures of reduced error detection in older age. NeuroImage, 2017, 161, 43-55. | 2.1 | 19 |
| 26 | Anodal transcranial direct current stimulation of the left dorsolateral prefrontal cortex enhances emotion recognition in depressed patients and controls. Journal of Clinical and Experimental Neuropsychology, 2017, 39, 384-395. | 0.8 | 35 |
| 27 | Scopolamine Reduces Electrophysiological Indices of Distractor Suppression: Evidence from a Contingent Capture Task. Frontiers in Neural Circuits, 2017, 11, 99. | 1.4 | 2 |
| 28 | Ocular exposure to blue-enriched light has an asymmetric influence on neural activity and spatial attention. Scientific Reports, 2016, 6, 27754. | 1.6 | 15 |
| 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 | Target Selection Signals Influence Perceptual Decisions by Modulating the Onset and Rate of Evidence Accumulation. Current Biology, 2016, 26, 496-502. | 1.8 | 91 |
| 31 | The effects of a Self-Alert Training (SAT) program in adults with ADHD. Frontiers in Human Neuroscience, 2015, 9, 45. | 1.0 | 32 |
| 32 | Characterising neural signatures of successful aging: Electrophysiological correlates of preserved episodic memory in older age. Brain and Cognition, 2015, 97, 40-50. | 0.8 | 15 |
| 33 | 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 |
| 34 | Connecting clinical and experimental investigations of awareness in traumatic brain injury. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2015, 128, 511-524. | 1.0 | 6 |
| 35 | The classic P300 encodes a buildâ€toâ€threshold decision variable. European Journal of Neuroscience, 2015, 42, 1636-1643. | 1.2 | 301 |
| 36 | Behavioral and electrophysiological evidence of opposing lateral visuospatial asymmetries in the upper and lower visual fields. Cortex, 2015, 63, 220-231. | 1.1 | 16 |

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|---|---|---|---|
| 37 | Neural evidence accumulation persists after choice to inform metacognitive judgments. ELife, 2015, 4, . | 2.8 | 129 |
| 38 | Decreased frontal, striatal and cerebellar activation in adults with ADHD during an adaptive delay discounting task. Acta Neurobiologiae Experimentalis, 2015, 75, 326-38. | 0.4 | 17 |
| 39 | Transcranial Direct Current Stimulation over Right Dorsolateral Prefrontal Cortex Enhances Error Awareness in Older Age. Journal of Neuroscience, 2014, 34, 3646-3652. | 1.7 | 77 |
| 40 | Monoaminergic modulation of behavioural and electrophysiological indices of error processing. Psychopharmacology, 2014, 231, 379-392. | 1.5 | 33 |
| 41 | Differential shift in spatial bias over time depends on observersx3 initial bias: Observer subtypes, or regression to the mean?. Neuropsychologia, 2014, 64, 33-40. | 0.7 | 6 |
| 42 | Pupil diameter covaries with BOLD activity in human locus coeruleus. Human Brain Mapping, 2014, 35, 4140-4154. | 1.9 | 625 |
| 43 | Changes in resting connectivity with age: a simultaneous electroencephalogram and functional magnetic resonance imaging investigation. Neurobiology of Aging, 2013, 34, 2194-2207. | 1.5 | 41 |
| 44 | Linking time-on-task, spatial bias and hemispheric activation asymmetry: A neural correlate of rightward attention drift. Neuropsychologia, 2013, 51, 1215-1223. | 0.7 | 54 |
| 45 | Older adults have diminished awareness of errors in the laboratory and daily life.. Psychology and Aging, 2013, 28, 1032-1041. | 1.4 | 46 |
| 46 | Internal and External Influences on the Rate of Sensory Evidence Accumulation in the Human Brain. Journal of Neuroscience, 2013, 33, 19434-19441. | 1.7 | 331 |
| 47 | Neurochemical Enhancement of Conscious Error Awareness. Journal of Neuroscience, 2012, 32, 2619-2627. | 1.7 | 62 |
| 48 | A biofeedback-based programme to improve attention and impulsivity in adults with ADHD. Irish Journal of Psychology, 2012, 33, 86-93. | 0.2 | 3 |
| 49 | An electrophysiological signal that precisely tracks the emergence of error awareness. Frontiers in Human Neuroscience, 2012, 6, 65. | 1.0 | 68 |
| 50 | A supramodal accumulation-to-bound signal that determines perceptual decisions in humans. Nature Neuroscience, 2012, 15, 1729-1735. | 7.1 | 585 |
| 51 | A simultaneous ERP/fMRI investigation of the P300 aging effect. Neurobiology of Aging, 2012, 33, 2448-2461. | 1.5 | 96 |
| 52 | Dopamine transporter genotype predicts attentional asymmetry in healthy adults. Neuropsychologia, 2012, 50, 2823-2829. | 0.7 | 23 |
| 53 | Retest reliability of eventâ€related potentials: <scp>E</scp>vidence from a variety of paradigms. Psychophysiology, 2012, 49, 659-664. | 1.2 | 110 |
| 54 | The Molecular Genetics of Executive Function: Role of Monoamine System Genes. Biological Psychiatry, 2011, 69, e127-e143. | 0.7 | 138 |

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|---|---|---|---|
| 55 | ERP measures indicate both attention and working memory encoding decrements in aging. Psychophysiology, 2011, 48, 601-611. | 1.2 | 94 |
| 56 | Pupillometry and P3 index the locus coeruleusâ€“noradrenergic arousal function in humans. Psychophysiology, 2011, 48, 1532-1543. | 1.2 | 373 |
| 57 | Attentional Load Asymmetrically Affects Early Electrophysiological Indices of Visual Orienting. Cerebral Cortex, 2011, 21, 1056-1065. | 1.6 | 29 |
| 58 | Donepezil Impairs Memory in Healthy Older Subjects: Behavioural, EEG and Simultaneous EEG/fMRI Biomarkers. PLoS ONE, 2011, 6, e24126. | 1.1 | 47 |
| 59 | Vigilant attention. , 2010, , 79-88. | | 23 |
| 60 | Uncovering the Neural Signature of Lapsing Attention: Electrophysiological Signals Predict Errors up to 20 s before They Occur. Journal of Neuroscience, 2009, 29, 8604-8611. | 1.7 | 230 |
| 61 | The neural correlates of deficient error awareness in attention-deficit hyperactivity disorder (ADHD). Neuropsychologia, 2009, 47, 1149-1159. | 0.7 | 122 |
| 62 | Two Types of Action Error: Electrophysiological Evidence for Separable Inhibitory and Sustained Attention Neural Mechanisms Producing Error on Go/No-go Tasks. Journal of Cognitive Neuroscience, 2009, 21, 93-104. | 1.1 | 109 |
| 63 | Self-Alert Training: Volitional modulation of autonomic arousal improves sustained attention. Neuropsychologia, 2008, 46, 1379-1390. | 0.7 | 103 |
| 64 | Genetics of cognitive deficits in ADHD: clues for novel treatment methods. Expert Review of Neurotherapeutics, 2008, 8, 553-561. | 1.4 | 4 |
| 65 | The role of cingulate cortex in the detection of errors with and without awareness: a high-density electrical mapping study. European Journal of Neuroscience, 2007, 25, 2571-2579. | 1.2 | 324 |
| 66 | Absent minded but accurate: delaying responses increases accuracy but decreases error awareness. Experimental Brain Research, 2007, 182, 119-124. | 0.7 | 30 |
| 67 | Neuropsychological interventions â€" research and practice - A review of Neuropsychological Interventions: Clinical Research and Practice, edited by Paul J. Eslinger. New York, Guilford Publications, 2002, 360 pp., $50.00.. Irish Journal of Psychological Medicine, 2006, 23, 41-41. | 0.7 | 0 |
| 68 | Cognitive remediation in ADHD: Effects of periodic non-contingent alerts on sustained attention to response. Neuropsychological Rehabilitation, 2006, 16, 653-665. | 1.0 | 59 |
| 69 | Reduced electrodermal response to errors predicts poor sustained attention performance in attention deficit hyperactivity disorder. NeuroReport, 2004, 15, 2535-2538. | 0.6 | 64 |