

# Adam R Aron

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85  
papers

15,345  
citations

46  
h-index

92  
g-index

92  
ext. papers

17,627  
ext. citations

6.2  
avg, IF

7.13  
L-index

#	Paper	IF	Citations
85	Inhibition and the right inferior frontal cortex. <i>Trends in Cognitive Sciences</i> , <b>2004</b> , 8, 170-7	14	2307
84	Stop-signal inhibition disrupted by damage to right inferior frontal gyrus in humans. <i>Nature Neuroscience</i> , <b>2003</b> , 6, 115-6	25.5	1322
83	Cortical and subcortical contributions to Stop signal response inhibition: role of the subthalamic nucleus. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 2424-33	6.6	1217
82	Inhibition and the right inferior frontal cortex: one decade on. <i>Trends in Cognitive Sciences</i> , <b>2014</b> , 18, 177-185	14	1216
81	From reactive to proactive and selective control: developing a richer model for stopping inappropriate responses. <i>Biological Psychiatry</i> , <b>2011</b> , 69, e55-68	7.9	835
80	Triangulating a cognitive control network using diffusion-weighted magnetic resonance imaging (MRI) and functional MRI. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 3743-52	6.6	738
79	The neural basis of inhibition in cognitive control. <i>Neuroscientist</i> , <b>2007</b> , 13, 214-28	7.6	672
78	The cognitive neuroscience of response inhibition: relevance for genetic research in attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , <b>2005</b> , 57, 1285-92	7.9	473
77	Converging evidence for a fronto-basal-ganglia network for inhibitory control of action and cognition. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 11860-4	6.6	390
76	Cognitive enhancing effects of modafinil in healthy volunteers. <i>Psychopharmacology</i> , <b>2003</b> , 165, 260-9	4.7	359
75	Deficits in response inhibition associated with chronic methamphetamine abuse. <i>Drug and Alcohol Dependence</i> , <b>2005</b> , 79, 273-7	4.9	331
74	Intracranial EEG reveals a time- and frequency-specific role for the right inferior frontal gyrus and primary motor cortex in stopping initiated responses. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 12675-85	6.6	322
73	Roles for the pre-supplementary motor area and the right inferior frontal gyrus in stopping action: electrophysiological responses and functional and structural connectivity. <i>NeuroImage</i> , <b>2012</b> , 59, 2860-70	7.9	310
72	Methylphenidate improves response inhibition in adults with attention-deficit/hyperactivity disorder. <i>Biological Psychiatry</i> , <b>2003</b> , 54, 1465-8	7.9	310
71	A componential analysis of task-switching deficits associated with lesions of left and right frontal cortex. <i>Brain</i> , <b>2004</b> , 127, 1561-73	11.2	297
70	Theta burst stimulation dissociates attention and action updating in human inferior frontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 13966-71	11.5	245
69	A consensus guide to capturing the ability to inhibit actions and impulsive behaviors in the stop-signal task. <i>ELife</i> , <b>2019</b> , 8,	8.9	234

68	Common neural substrates for inhibition of spoken and manual responses. <i>Cerebral Cortex</i> , <b>2008</b> , 18, 1923-32	5.1	200
67	On the Globality of Motor Suppression: Unexpected Events and Their Influence on Behavior and Cognition. <i>Neuron</i> , <b>2017</b> , 93, 259-280	13.9	193
66	Striatal dopamine D1/D5 receptors mediate response inhibition and related activity in frontostriatal neural circuitry in humans. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 7316-24	6.6	175
65	Deep brain stimulation of the subthalamic nucleus alters the cortical profile of response inhibition in the beta frequency band: a scalp EEG study in Parkinson's disease. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 5721-9	6.6	164
64	Responding with restraint: what are the neurocognitive mechanisms?. <i>Journal of Cognitive Neuroscience</i> , <b>2010</b> , 22, 1479-92	3.1	162
63	Different forms of self-control share a neurocognitive substrate. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 4805-10	6.1	162
62	Long-term test-retest reliability of functional MRI in a classification learning task. <i>NeuroImage</i> , <b>2006</b> , 29, 1000-6	7.9	159
61	It's not too late: the onset of the frontocentral P3 indexes successful response inhibition in the stop-signal paradigm. <i>Psychophysiology</i> , <b>2015</b> , 52, 472-80	4.1	144
60	Association between response inhibition and working memory in adult ADHD: a link to right frontal cortex pathology?. <i>Biological Psychiatry</i> , <b>2007</b> , 61, 1395-401	7.9	134
59	Engagement of large-scale networks is related to individual differences in inhibitory control. <i>NeuroImage</i> , <b>2010</b> , 53, 653-63	7.9	133
58	Unexpected events induce motor slowing via a brain mechanism for action-stopping with global suppressive effects. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 18481-91	6.6	116
57	Stop the presses: dissociating a selective from a global mechanism for stopping. <i>Psychological Science</i> , <b>2008</b> , 19, 1146-53	7.9	114
56	Frontosubthalamic Circuits for Control of Action and Cognition. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 11489-11495	6.1	110
55	A proactive mechanism for selective suppression of response tendencies. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 5965-9	6.6	89
54	Proactive selective response suppression is implemented via the basal ganglia. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 13259-69	6.6	88
53	Progress in Executive-Function Research: From Tasks to Functions to Regions to Networks. <i>Current Directions in Psychological Science</i> , <b>2008</b> , 17, 124-129	6.5	88
52	Transcranial magnetic stimulation reveals dissociable mechanisms for global versus selective corticomotor suppression underlying the stopping of action. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 363-71	5.1	78
51	Dopaminergic therapy in Parkinson's disease decreases cortical beta band coherence in the resting state and increases cortical beta band power during executive control. <i>NeuroImage: Clinical</i> , <b>2013</b> , 3, 261-70	5.3	76

50	The role of the right presupplementary motor area in stopping action: two studies with event-related transcranial magnetic stimulation. <i>Journal of Neurophysiology</i> , <b>2012</b> , 108, 380-9	3.2	76
49	Elevated synchrony in Parkinson disease detected with electroencephalography. <i>Annals of Neurology</i> , <b>2015</b> , 78, 742-50	9.4	74
48	Chronometric electrical stimulation of right inferior frontal cortex increases motor braking. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 19611-9	6.6	70
47	Surprise disrupts cognition via a fronto-basal ganglia suppressive mechanism. <i>Nature Communications</i> , <b>2016</b> , 7, 11195	17.4	66
46	Stopping a response has global or nonglobal effects on the motor system depending on preparation. <i>Journal of Neurophysiology</i> , <b>2012</b> , 107, 384-92	3.2	64
45	Stimulation at dorsal and ventral electrode contacts targeted at the subthalamic nucleus has different effects on motor and emotion functions in Parkinson's disease. <i>Neuropsychologia</i> , <b>2011</b> , 49, 528-34	3.2	60
44	Beta Oscillations in Working Memory, Executive Control of Movement and Thought, and Sensorimotor Function. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 8231-8238	6.6	55
43	Having a goal to stop action is associated with advance control of specific motor representations. <i>Neuropsychologia</i> , <b>2010</b> , 48, 541-8	3.2	55
42	Intracranial electroencephalography reveals different temporal profiles for dorsal- and ventro-lateral prefrontal cortex in preparing to stop action. <i>Cerebral Cortex</i> , <b>2013</b> , 23, 2479-88	5.1	54
41	Stop-related subthalamic beta activity indexes global motor suppression in Parkinson's disease. <i>Movement Disorders</i> , <b>2016</b> , 31, 1846-1853	7	53
40	Saccade suppression exerts global effects on the motor system. <i>Journal of Neurophysiology</i> , <b>2013</b> , 110, 883-90	3.2	47
39	Top-down response suppression mitigates action tendencies triggered by a motivating stimulus. <i>Current Biology</i> , <b>2014</b> , 24, 212-216	6.3	44
38	Establishing a Right Frontal Beta Signature for Stopping Action in Scalp EEG: Implications for Testing Inhibitory Control in Other Task Contexts. <i>Journal of Cognitive Neuroscience</i> , <b>2018</b> , 30, 107-118	3.1	43
37	Causal role for the subthalamic nucleus in interrupting behavior. <i>ELife</i> , <b>2017</b> , 6,	8.9	43
36	Preventing a Thought from Coming to Mind Elicits Increased Right Frontal Beta Just as Stopping Action Does. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 2160-2172	5.1	43
35	Stopping speech suppresses the task-irrelevant hand. <i>Brain and Language</i> , <b>2012</b> , 120, 412-5	2.9	42
34	Temporal cascade of frontal, motor and muscle processes underlying human action-stopping. <i>ELife</i> , <b>2020</b> , 9,	8.9	39
33	Unconsciously triggered response inhibition requires an executive setting. <i>Journal of Experimental Psychology: General</i> , <b>2014</b> , 143, 56-61	4.7	38

32	Stimulus devaluation induced by stopping action. <i>Journal of Experimental Psychology: General</i> , <b>2014</b> , 143, 2316-29	4.7	38
31	Inhibitory motor control based on complex stopping goals relies on the same brain network as simple stopping. <i>NeuroImage</i> , <b>2014</b> , 103, 225-234	7.9	34
30	Evidence Supports Specific Braking Function for Inferior PFC. <i>Trends in Cognitive Sciences</i> , <b>2015</b> , 19, 711-712	7.1	31
29	Response suppression by automatic retrieval of stimulus-stop association: evidence from transcranial magnetic stimulation. <i>Journal of Cognitive Neuroscience</i> , <b>2012</b> , 24, 1908-18	3.1	31
28	Right inferior frontal cortex: addressing the rebuttals. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 905	3.3	29
27	Distractibility during selection-for-action: differential deficits in Huntington's disease and following frontal lobe damage. <i>Neuropsychologia</i> , <b>2003</b> , 41, 1137-47	3.2	29
26	Topography and timing of activity in right inferior frontal cortex and anterior insula for stopping movement. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 189-203	5.9	24
25	Withholding a Reward-driven Action: Studies of the Rise and Fall of Motor Activation and the Effect of Cognitive Depletion. <i>Journal of Cognitive Neuroscience</i> , <b>2016</b> , 28, 237-51	3.1	23
24	High Working Memory Load Increases Intracortical Inhibition in Primary Motor Cortex and Diminishes the Motor Affordance Effect. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 5544-55	6.6	21
23	Suppressing a motivationally-triggered action tendency engages a response control mechanism that prevents future provocation. <i>Neuropsychologia</i> , <b>2015</b> , 68, 218-31	3.2	15
22	Temporally-precise disruption of prefrontal cortex informed by the timing of beta bursts impairs human action-stopping. <i>NeuroImage</i> , <b>2020</b> , 222, 117222	7.9	15
21	Training voluntary motor suppression with real-time feedback of motor evoked potentials. <i>Journal of Neurophysiology</i> , <b>2015</b> , 113, 3446-52	3.2	14
20	Stimulus devaluation induced by action stopping is greater for explicit value representations. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 1640	3.4	12
19	Preparing to Stop Action Increases Beta Band Power in Contralateral Sensorimotor Cortex. <i>Journal of Cognitive Neuroscience</i> , <b>2019</b> , 31, 657-668	3.1	11
18	Event-related deep brain stimulation of the subthalamic nucleus affects conflict processing. <i>Annals of Neurology</i> , <b>2018</b> , 84, 515-526	9.4	11
17	Towards real-world generalizability of a circuit for action-stopping. <i>Nature Reviews Neuroscience</i> , <b>2021</b> , 22, 538-552	13.5	10
16	The Climate Crisis Needs Attention from Cognitive Scientists. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 903-906	7.4	8
15	Task-irrelevant distractors in the delay period interfere selectively with visual short-term memory for spatial locations. <i>Attention, Perception, and Psychophysics</i> , <b>2017</b> , 79, 1384-1392	2	6

14	Closed-loop intracranial stimulation alters movement timing in humans. <i>Brain Stimulation</i> , <b>2018</b> , 11, 886-895	3.5	6
13	Activation of Subthalamic Nucleus Stop Circuit Disrupts Cognitive Performance. <i>ENeuro</i> , <b>2020</b> , 7,	3.9	5
12	One-year changes in brain microstructure differentiate preclinical Huntington's disease stages. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102099	5.3	5
11	Double-blind disruption of right inferior frontal cortex with TMS reduces right frontal beta power for action stopping. <i>Journal of Neurophysiology</i> , <b>2021</b> , 125, 140-153	3.2	4
10	Stopping and slowing manual and spoken responses: Similar oscillatory signatures recorded from the subthalamic nucleus. <i>Brain and Language</i> , <b>2018</b> , 176, 1-10	2.9	4
9	Unwanted Memory Intrusions Recruit Broad Motor Suppression. <i>Journal of Cognitive Neuroscience</i> , <b>2021</b> , 33, 119-128	3.1	3
8	Temporal cascade of frontal, motor and muscle processes underlying human action-stopping		2
7	Temporally-precise disruption of prefrontal cortex informed by the timing of beta bursts impairs human action-stopping		2
6	The Functional Role of Response Suppression during an Urge to Relieve Pain. <i>Journal of Cognitive Neuroscience</i> , <b>2019</b> , 31, 1404-1421	3.1	1
5	Motor cortex oscillates at its intrinsic post-movement beta rhythm following real (but not sham) single pulse, rhythmic and arrhythmic transcranial magnetic stimulation.. <i>NeuroImage</i> , <b>2022</b> , 251, 118975	7.9	1
4	Transient beta modulates decision thresholds during human action-stopping.. <i>NeuroImage</i> , <b>2022</b> , 254, 119145	7.9	1
3	Unexpected events disrupt visuomotor working memory and increase guessing. <i>Psychonomic Bulletin and Review</i> , <b>2018</b> , 25, 651-657	4.1	0
2	Fronto-subthalamic phase synchronization and cross-frequency coupling during conflict processing. <i>NeuroImage</i> , <b>2021</b> , 238, 118205	7.9	0
1	Retraction Note: Unexpected events disrupt visuomotor working memory and increase guessing. <i>Psychonomic Bulletin and Review</i> , <b>2018</b> , 26, 385	4.1	