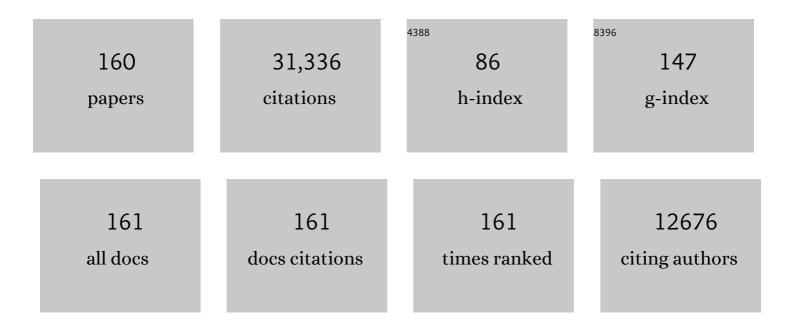
## Steven A Hillyard

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Brain potentials during reading reflect word expectancy and semantic association. Nature, 1984, 307, 161-163.	27.8	1,869
2	Two varieties of long-latency positive waves evoked by unpredictable auditory stimuli in man. Electroencephalography and Clinical Neurophysiology, 1975, 38, 387-401.	0.3	1,814
3	Neural Mechanisms of Spatial Selective Attention in Areas V1, V2, and V4 of Macaque Visual Cortex. Journal of Neurophysiology, 1997, 77, 24-42.	1.8	1,507
4	Electrophysiological correlates of feature analysis during visual search. Psychophysiology, 1994, 31, 291-308.	2.4	1,193
5	Cortical sources of the early components of the visual evoked potential. Human Brain Mapping, 2002, 15, 95-111.	3.6	957
6	Sensory gain control (amplification) as a mechanism of selective attention: electrophysiological and neuroimaging evidence. Philosophical Transactions of the Royal Society B: Biological Sciences, 1998, 353, 1257-1270.	4.0	936
7	Stimulus novelty, task relevance and the visual evoked potential in man. Electroencephalography and Clinical Neurophysiology, 1975, 39, 131-143.	0.3	901
8	Spatial filtering during visual search: Evidence from human electrophysiology Journal of Experimental Psychology: Human Perception and Performance, 1994, 20, 1000-1014.	0.9	898
9	Modulations of sensory-evoked brain potentials indicate changes in perceptual processing during visual-spatial priming Journal of Experimental Psychology: Human Perception and Performance, 1991, 17, 1057-1074.	0.9	636
10	Endogeneous brain potentials associated with selective auditory attention. Electroencephalography and Clinical Neurophysiology, 1980, 49, 277-290.	0.3	617
11	Event-related brain potentials to semantically inappropriate and surprisingly large words. Biological Psychology, 1980, 11, 99-116.	2.2	611
12	Selective attention to color and location: An analysis with event-related brain potentials. Perception & Psychophysics, 1984, 36, 185-198.	2.3	577
13	Improved auditory spatial tuning in blind humans. Nature, 1999, 400, 162-166.	27.8	568
14	Event-related brain potentials to grammatical errors and semantic anomalies. Memory and Cognition, 1983, 11, 539-550.	1.6	555
15	Spatial Selective Attention Affects Early Extrastriate But Not Striate Components of the Visual Evoked Potential. Journal of Cognitive Neuroscience, 1996, 8, 387-402.	2.3	512
16	Identification of early visual evoked potential generators by retinotopic and topographic analyses. Human Brain Mapping, 1994, 2, 170-187.	3.6	469
17	Effects of spatial cuing on luminance detectability: Psychophysical and electrophysiological evidence for early selection Journal of Experimental Psychology: Human Perception and Performance, 1994, 20, 887-904.	0.9	454
18	Source Analysis of Event-related Cortical Activity during Visuo-spatial Attention. Cerebral Cortex, 2003. 13. 486-499.	2.9	454

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19	Involuntary orienting to sound improves visual perception. Nature, 2000, 407, 906-908.	27.8	422
20	Visual evoked potentials and selective attention to points in space. Perception & Psychophysics, 1977, 22, 54-62.	2.3	394
21	Long-latency evoked potentials to irrelevant, deviant stimuli. Behavioral Biology, 1976, 16, 319-331.	2.2	343
22	Modulation of early auditory processing during selective listening to rapidly presented tones. Electroencephalography and Clinical Neurophysiology, 1991, 79, 170-191.	0.3	337
23	The Effects of Channel-Selective Attention on the Mismatch Negativity Wave Elicited by Deviant Tones. Psychophysiology, 1991, 28, 30-42.	2.4	322
24	Sources of attention-sensitive visual event-related potentials. Brain Topography, 1994, 7, 41-51.	1.8	318
25	Selective attention to the color and direction of moving stimuli: Electrophysiological correlates of hierarchical feature selection. Perception & Psychophysics, 1996, 58, 191-206.	2.3	286
26	Putting spatial attention on the map: timing and localization of stimulus selection processes in striate and extrastriate visual areas. Vision Research, 2001, 41, 1437-1457.	1.4	284
27	Spatiotemporal analysis of the cortical sources of the steady-state visual evoked potential. Human Brain Mapping, 2007, 28, 323-334.	3.6	269
28	An Electrophysiological Probe of Incidental Semantic Association. Journal of Cognitive Neuroscience, 1989, 1, 38-49.	2.3	264
29	Visual attention modulates signal detectability Journal of Experimental Psychology: Human Perception and Performance, 1990, 16, 802-811.	0.9	263
30	Language and speech capacity of the right hemisphere. Neuropsychologia, 1971, 9, 273-280.	1.6	261
31	The time course of cortical facilitation during cued shifts of spatial attention. Nature Neuroscience, 1998, 1, 631-634.	14.8	259
32	The effects of frontal cortex lesions on event-related potentials during auditory selective attention. Electroencephalography and Clinical Neurophysiology, 1981, 52, 571-582.	0.3	252
33	Effects of spatial selective attention on the steady-state visual evoked potential in the 20–28 Hz range. Cognitive Brain Research, 1998, 6, 249-261.	3.0	249
34	Identification of the neural sources of the pattern-reversal VEP. NeuroImage, 2005, 24, 874-886.	4.2	239
35	Early Cross-Modal Interactions in Auditory and Visual Cortex Underlie a Sound-Induced Visual Illusion. Journal of Neuroscience, 2007, 27, 4120-4131.	3.6	228
36	The Role of Spatial Selective Attention in Working Memory for Locations: Evidence from Event-Related Potentials. Journal of Cognitive Neuroscience, 2000, 12, 840-847.	2.3	219

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37	Vertex potentials evoked during auditory signal detection: Relation to decision criteria. Perception & Psychophysics, 1973, 14, 265-272.	2.3	214
38	Temporal dynamics of early perceptual processing. Current Opinion in Neurobiology, 1998, 8, 202-210.	4.2	209
39	The effects of frontal and temporal-parietal lesions on the auditory evoked potential in man. Electroencephalography and Clinical Neurophysiology, 1980, 50, 112-124.	0.3	207
40	Electrophysiological evidence for task effects on semantic priming in auditory word processing. Psychophysiology, 1993, 30, 161-169.	2.4	198
41	The lateral distribution of event-related potentials during sentence processing. Neuropsychologia, 1982, 20, 579-590.	1.6	192
42	Independent hemispheric attentional systems mediate visual search in split-brain patients. Nature, 1989, 342, 543-545.	27.8	192
43	Spatio-temporal dynamics of attention to color: Evidence from human electrophysiology. , 1998, 6, 216-238.		191
44	Electrophysiological evidence for parallel and serial processing during visual search. Perception & Psychophysics, 1990, 48, 603-617.	2.3	189
45	Eye movement artifact in the CNV. Electroencephalography and Clinical Neurophysiology, 1970, 28, 173-182.	0.3	187
46	Magnocellular Pathway Impairment in Schizophrenia: Evidence from Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2008, 28, 7492-7500.	3.6	183
47	Cross-modal cueing of attention alters appearance and early cortical processing of visual stimuli. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22456-22461.	7.1	183
48	Decision-related cortical potentials during an auditory signal detection task with cued observation intervals Journal of Experimental Psychology: Human Perception and Performance, 1975, 1, 268-279.	0.9	177
49	Neural Basis of Superior Performance of Action Videogame Players in an Attention-Demanding Task. Journal of Neuroscience, 2011, 31, 992-998.	3.6	176
50	Gamma band activity and the P3 reflect post-perceptual processes, not visual awareness. Neurolmage, 2014, 101, 337-350.	4.2	176
51	Cognition and Event-Related Potentials II. The Orienting Reflex and P300. Annals of the New York Academy of Sciences, 1984, 425, 39-57.	3.8	175
52	Selective attention to multidimensional auditory stimuli Journal of Experimental Psychology: Human Perception and Performance, 1983, 9, 1-19.	0.9	169
53	Cross-Modal Selective Attention Effects on Retinal, Myogenic, Brainstem, and Cerebral Evoked Potentials. Psychophysiology, 1990, 27, 195-208.	2.4	166
54	Attention-Related Modulation of Sensory-Evoked Brain Activity in a Visual Search Task. Journal of Cognitive Neuroscience, 1993, 5, 188-195.	2.3	162

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55	Event-Related Potentials (ERPs) to Interruptions of a Steady Rhythm. Psychophysiology, 1981, 18, 322-330.	2.4	161
56	Event-related brain potentials and selective attention to acoustic and phonetic cues. Biological Psychology, 1978, 6, 1-16.	2.2	158
57	Magnetoencephalographic recordings demonstrate attentional modulation of mismatch-related neural activity in human auditory cortex. Psychophysiology, 1998, 35, 283-292.	2.4	156
58	Neural Basis of the Ventriloquist Illusion. Current Biology, 2007, 17, 1697-1703.	3.9	154
59	Mechanisms of visual–spatial attention: Resource allocation or uncertainty reduction?. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 725-737.	0.9	149
60	Combined Use of Microreflexes and Event-Related Brain Potentials as Measures of Auditory Selective Attention. Psychophysiology, 1987, 24, 632-647.	2.4	148
61	Neural Substrates of Perceptual Enhancement by Cross-Modal Spatial Attention. Journal of Cognitive Neuroscience, 2003, 15, 10-19.	2.3	144
62	Selective attention and the auditory vertex potential. I. Effects of stimulus delivery rate. Electroencephalography and Clinical Neurophysiology, 1976, 40, 604-614.	0.3	143
63	Neural basis of auditory-induced shifts in visual time-order perception. Nature Neuroscience, 2005, 8, 1197-1202.	14.8	141
64	Attention Facilitates Multiple Stimulus Features in Parallel in Human Visual Cortex. Current Biology, 2008, 18, 1006-1009.	3.9	140
65	Visual Processing of Contour Patterns under Conditions of Inattentional Blindness. Journal of Cognitive Neuroscience, 2012, 24, 287-303.	2.3	136
66	Effects of Stimulation Rate and Attribute Cuing on Event-Related Potentials During Selective Auditory Attention. Psychophysiology, 1984, 21, 394-405.	2.4	134
67	Evoked potential correlates of selective attention with multi-channel auditory inputs. Electroencephalography and Clinical Neurophysiology, 1975, 38, 131-138.	0.3	133
68	Temporal Dynamics of Human Auditory Selective Attention. Psychophysiology, 1988, 25, 316-329.	2.4	133
69	Isolating neural correlates of conscious perception from neural correlates of reporting one's perception. Frontiers in Psychology, 2014, 5, 1078.	2.1	130
70	P3 Waves to the Discrimination of Targets in Homogeneous and Heterogeneous Stimulus Sequences. Psychophysiology, 1977, 14, 590-597.	2.4	125
71	The effect of stimulus deviation on P3 waves to easily recognized stimuli. Neuropsychologia, 1978, 16, 189-199.	1.6	121
72	Semantic processing and memory for attended and unattended words in dichotic listening: Behavioral and electrophysiological evidence Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 54-67.	0.9	119

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73	Cortical potentials evoked by confirming and disconfirming feedback following an auditory discrimination. Perception & Psychophysics, 1973, 13, 25-31.	2.3	117
74	Auditory deprivation affects processing of motion, but not color. Cognitive Brain Research, 2002, 14, 422-434.	3.0	116
75	Naloxone augments electrophysiological signs of selective attention in man. Nature, 1983, 304, 725-727.	27.8	112
76	Sounds Activate Visual Cortex and Improve Visual Discrimination. Journal of Neuroscience, 2014, 34, 9817-9824.	3.6	112
77	Attention to adjacent and separate positions in space: An electrophysiological analysis. Perception & Psychophysics, 1994, 56, 42-52.	2.3	110
78	Selective auditory attention and early event-related potentials: A rejoinder Canadian Journal of Psychology, 1981, 35, 159-174.	0.8	107
79	Attending to global versus local stimulus features modulates neural processing of low versus high spatial frequencies: an analysis with event-related brain potentials. Frontiers in Psychology, 2014, 5, 277.	2.1	107
80	SENSATION, PERCEPTION AND ATTENTION: ANALYSIS USING ERPs. , 1978, , 223-321.		104
81	Combining steady-state visual evoked potentials and f MRI to localize brain activity during selective attention. Human Brain Mapping, 1997, 5, 287-292.	3.6	101
82	Intra-modal and cross-modal spatial attention to auditory and visual stimuli. An event-related brain potential study. Cognitive Brain Research, 1999, 8, 327-343.	3.0	100
83	Electrical and magnetic brain recordings: contributions to cognitive neuroscience. Current Opinion in Neurobiology, 1993, 3, 217-224.	4.2	98
84	Similarities and Differences Among the P3 Waves to Detected Signals in Three Modalities. Psychophysiology, 1980, 17, 112-122.	2.4	96
85	Effects of stimulus and response contingencies on a surface negative slow potential shift in man. Electroencephalography and Clinical Neurophysiology, 1967, 22, 297-304.	0.3	95
86	Auditory Spatial Tuning in Late-onset Blindness in Humans. Journal of Cognitive Neuroscience, 2006, 18, 149-157.	2.3	92
87	Electrophysiology of human selective attention. Trends in Neurosciences, 1985, 8, 400-405.	8.6	90
88	Magnetoencephalographic recording of steadystate visual evoked cortical activity. Brain Topography, 1997, 9, 163-168.	1.8	90
89	Event-related brain potentials reveal similar attentional mechanisms during selective listening and shadowing Journal of Experimental Psychology: Human Perception and Performance, 1984, 10, 761-777.	0.9	89
90	P3-like brain waves in normal monkeys and in monkeys with medial temporal lesions Behavioral Neuroscience, 1988, 102, 714-725.	1.2	89

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91	The gradient of spatial auditory attention in free field: An event-related potential study. Perception & Psychophysics, 1998, 60, 1228-1242.	2.3	86
92	Consequences of Magnocellular Dysfunction on Processing Attended Information in Schizophrenia. Cerebral Cortex, 2012, 22, 1282-1293.	2.9	84
93	Auditory spatial localization and attention deficits in autistic adults. Cognitive Brain Research, 2005, 23, 221-234.	3.0	83
94	Salient Sounds Activate Human Visual Cortex Automatically. Journal of Neuroscience, 2013, 33, 9194-9201.	3.6	82
95	PROCESSING OF SEMANTIC ANOMALY BY RIGHT AND LEFT HEMISPHERES OF COMMISSUROTOMY PATIENTS. Brain, 1988, 111, 553-576.	7.6	81
96	Selective attention and the auditory vertex potential. II. Effects of signal intensity and masking noise. Electroencephalography and Clinical Neurophysiology, 1976, 40, 615-622.	0.3	78
97	Recovery cycles of event-related potentials in multiple detection tasks. Electroencephalography and Clinical Neurophysiology, 1980, 50, 335-347.	0.3	78
98	Color-selective attention need not be mediated by spatial attention. Journal of Vision, 2009, 9, 2-2.	0.3	78
99	The neural basis of visual selective attention: A commentary on Harter and Aine. Biological Psychology, 1986, 23, 265-279.	2.2	76
100	Relationships between the contingent negative variation (CNV) and reaction time. Physiology and Behavior, 1969, 4, 351-357.	2.1	74
101	Event-related potentials during selective attention to speech sounds. Biological Psychology, 1983, 16, 211-224.	2.2	73
102	Cortical processes underlying sound-induced flash fusion. Brain Research, 2008, 1242, 102-115.	2.2	73
103	Event-Related Brain Potentials (ERPs) Elicited by Novel Stimuli during Sentence Processing. Annals of the New York Academy of Sciences, 1984, 425, 236-241.	3.8	72
104	Spatial attention to central and peripheral auditory stimuli as indexed by event-related potentials. Cognitive Brain Research, 1999, 8, 213-227.	3.0	70
105	Independent Attentional Scanning in the Separated Hemispheres of Split-Brain Patients. Journal of Cognitive Neuroscience, 1994, 6, 84-91.	2.3	69
106	Auditory evoked potentials during selective listening to dichotic speech messages. Perception & Psychophysics, 1976, 20, 236-242.	2.3	67
107	Effect of Attention on Early Cortical Processes Associated with the Sound-induced Extra Flash Illusion. Journal of Cognitive Neuroscience, 2010, 22, 1714-1729.	2.3	66
108	Auditory evoked potentials during multichannel selective listening: Role of pitch and localization cues Journal of Experimental Psychology: Human Perception and Performance, 1976, 2, 313-325.	0.9	63

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109	Global Facilitation of Attended Features Is Obligatory and Restricts Divided Attention. Journal of Neuroscience, 2013, 33, 18200-18207.	3.6	60
110	Spatiotemporal brain mapping of spatial attention effects on patternâ€reversal ERPs. Human Brain Mapping, 2012, 33, 1334-1351.	3.6	56
111	Habituation and Attention in the Auditory System. Handbook of Sensory Physiology, 1976, , 343-389.	0.8	54
112	Involuntary orienting of attention to a sound desynchronizes the occipital alpha rhythm and improves visual perception. Neurolmage, 2017, 150, 318-328.	4.2	53
113	Source estimates for MEG/EEG visual evoked responses constrained by multiple, retinotopicallyâ€mapped stimulus locations. Human Brain Mapping, 2009, 30, 1290-1309.	3.6	52
114	Earliest stages of visual cortical processing are not modified by attentional load. Human Brain Mapping, 2014, 35, 3008-3024.	3.6	52
115	Temporal Dynamics of Selective Attention during Dichotic Listening. Cerebral Cortex, 2010, 20, 1360-1371.	2.9	49
116	Spatial attention boosts short-latency neural responses in human visual cortex. Neurolmage, 2012, 59, 1968-1978.	4.2	45
117	Attentional Selection of Feature Conjunctions Is Accomplished by Parallel and Independent Selection of Single Features. Journal of Neuroscience, 2015, 35, 9912-9919.	3.6	43
118	Cross-modal orienting of visual attention. Neuropsychologia, 2016, 83, 170-178.	1.6	43
119	Does spatial attention modulate the earliest component of the visual evoked potential?. Cognitive Neuroscience, 2018, 9, 4-19.	1.4	43
120	Spatial attention facilitates selection of illusory objects: Evidence from event-related brain potentials. Brain Research, 2007, 1139, 143-152.	2.2	42
121	Early Auditory Evoked Potential Is Modulated by Selective Attention and Related to Individual Differences in Visual Working Memory Capacity. Journal of Cognitive Neuroscience, 2014, 26, 2682-2690.	2.3	39
122	Split-Brain: What We Know Now and Why This is Important for Understanding Consciousness. Neuropsychology Review, 2020, 30, 224-233.	4.9	39
123	Vertex evoked potentials in a rating-scale detection task: relation to signal probability. Behavioral Biology, 1975, 13, 21-34.	2.2	38
124	Neural Correlates of Enhanced Visual Attentional Control in Action Video Game Players: An Event-Related Potential Study. Journal of Cognitive Neuroscience, 2019, 31, 377-389.	2.3	37
125	Late Positive Event-Related Potentials after Commissural Section in Humans. Journal of Cognitive Neuroscience, 1990, 2, 258-271.	2.3	36
126	Salient, Irrelevant Sounds Reflexively Induce Alpha Rhythm Desynchronization in Parallel with Slow Potential Shifts in Visual Cortex. Journal of Cognitive Neuroscience, 2016, 28, 433-445.	2.3	35

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127	Impaired Motion Processing in Schizophrenia and the Attenuated Psychosis Syndrome: Etiological and Clinical Implications. American Journal of Psychiatry, 2018, 175, 1243-1254.	7.2	35
128	The Cuing of Attention to Visual Field Locations: Analysis with ERP Recordings. , 1994, , 1-25.		35
129	Electrophysiological evidence for the "missing link" in crossmodal attention Canadian Journal of Experimental Psychology, 2001, 55, 141-149.	0.8	33
130	Neural generators of ERPs linked with Necker cube reversals. Psychophysiology, 2009, 46, 694-702.	2.4	33
131	Neural oscillatory deficits in schizophrenia predict behavioral and neurocognitive impairments. Frontiers in Human Neuroscience, 2015, 9, 371.	2.0	32
132	Peripheral sounds rapidly activate visual cortex: evidence from electrocorticography. Journal of Neurophysiology, 2015, 114, 3023-3028.	1.8	31
133	Electrophysiological Analysis of Human Brain Function. Handbook of Behavioral Neurobiology, 1979, , 345-378.	0.3	30
134	Parietal connectivity mediates multisensory facilitation. NeuroImage, 2013, 78, 396-401.	4.2	28
135	Audio-visual synchrony modulates the ventriloquist illusion and its neural/spatial representation in the auditory cortex. NeuroImage, 2014, 98, 425-434.	4.2	28
136	Scalp Topography of the P3 Wave in Different Auditory Decision Tasks. , 1976, , 81-87.		26
137	When and where is binocular rivalry resolved in the visual cortex?. Journal of Vision, 2010, 10, 25-25.	0.3	25
138	Endogenous attention selection during binocular rivalry at early stages of visual processing. Vision Research, 2009, 49, 1073-1080.	1.4	21
139	Steady-State VEP and Attentional Visual Processing. , 2003, , 259-274.		20
140	Event-Related Potentials in Cognitive Science. , 1984, , 387-409.		20
141	Spatial attention modulates early face processing. Neuropsychologia, 2012, 50, 3461-3468.	1.6	19
142	Neural substrates of perceptual integration during bistable object perception. Journal of Vision, 2013, 13, 17-17.	0.3	18
143	Spatio-temporal Patterns of Brain Activity Distinguish Strategies of Multiple-object Tracking. Journal of Cognitive Neuroscience, 2014, 26, 28-40.	2.3	18
144	Electrophysiological correlates of visual singleton detection. Psychophysiology, 2019, 56, e13375.	2.4	18

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145	Methodological Issues in CNV Research. , 1974, , 281-304.		18
146	Electrophysiology of Visual Attention. , 1990, , 186-205.		16
147	Attentional influence on the mismatch negativity. Behavioral and Brain Sciences, 1990, 13, 258-260.	0.7	14
148	Neuroimaging approaches to the study of visual attention: A tutorial , 0, , 107-138.		14
149	The CNV and the vertex evoked potential during signal detection: A preliminary report , 0, , 349-353.		14
150	Parallel attentional facilitation of features and objects in early visual cortex. Psychophysiology, 2020, 57, e13498.	2.4	12
151	Audition influences color processing in the sound-induced visual flash illusion. Vision Research, 2013, 93, 74-79.	1.4	11
152	Involuntary orienting of attention to sight or sound relies on similar neural biasing mechanisms in early visual processing. Neuropsychologia, 2019, 132, 107122.	1.6	11
153	Unifying control over the body: consciousness and cross-cueing in split-brain patients. Brain, 2018, 141, e15-e15.	7.6	10
154	Split-Second Recovery of the P3 Component in Multiple Decision Tasks. Progress in Brain Research, 1980, 54, 322-330.	1.4	5
155	Involuntary Cross-Modal Spatial Attention Influences Visual Perception. , 2014, , 82-94.		3
156	A simple metric to study the mechanisms generating event-related potentials. Journal of Neuroscience Methods, 2021, 360, 109230.	2.5	3
157	Still wanted: a reproducible demonstration of a genuine C1 attention effect. Cognitive Neuroscience, 2018, 9, 68-70.	1.4	2
158	Experimental Design Considerations in Studies of Event-Related Potentials to Word and Nonword Stimuli. Perceptual and Motor Skills, 1988, 66, 129-130.	1.3	1
159	Commentary on Article by John, Easton, and Isenhart. Consciousness and Cognition, 1997, 6, 50-55.	1.5	1
160	Electrophysiological and Neuroimaging Approaches to the Study of Visual Attention. , 2005, , 507-513.		1