Michael I Posner

List of Publications by Year
in descending order

157 papers	52,214 citations	12330 69 h-index	9861 141 g-index
168 all docs	168 docs citations	168 times ranked	29185 citing authors

#	Article	IF	Citations
1	Individual differences in temperament and the efficiency of brain networks. Current Opinion in Behavioral Sciences, 2022, 43, 242-248.	3.9	6
2	Genetic and Experiential Factors in Brain Development. , 2022, , 105-121.		2
3	Decision Making as a Learned Skill in Mice and Humans. Frontiers in Neuroscience, 2022, 16, 834701.	2.8	6
4	Effortless training of attention and self-control: mechanisms and applications. Trends in Cognitive Sciences, 2022, 26, 567-577.	7.8	18
5	Enhancing Cognition. , 2021, , 367-381.		0
6	Rehabilitating the brain through meditation and electrical stimulation. Cortex, 2020, 122, 6-9.	2.4	6
7	Developing attention in typical children related to disabilities. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 173, 215-223.	1.8	4
8	Temperament and Brain Networks of Attention. , 2020, , 155-168.		2
9	General intelligence in the age of neuroimaging. Trends in Neuroscience and Education, 2020, 18, 100126.	3.1	7
10	Increasing the amplitude of intrinsic theta in the human brain. AIMS Neuroscience, 2020, 7, 418-437.	2.3	2
11	Attention: Awareness and Control. , 2019, , 111-134.		0
12	Frontal theta activity and white matter plasticity following mindfulness meditation. Current Opinion in Psychology, 2019, 28, 294-297.	4.9	46
13	Illuminating the Neural Circuits Underlying Orienting of Attention. Vision (Switzerland), 2019, 3, 4.	1.2	4
14	Anxiety and Brain Networks of Attentional Control. Cognitive and Behavioral Neurology, 2019, 32, 54-62.	0.9	15
15	Controlling Fear Over the Lifespan. American Journal of Psychiatry, 2019, 176, 974-975.	7.2	2
16	Differential Involvement of Three Brain Regions during Mouse Skill Learning. ENeuro, 2019, 6, ENEURO.0143-19.2019.	1.9	6
17	Restoring Attention Networks. Yale Journal of Biology and Medicine, 2019, 92, 139-143.	0.2	14
18	Diversity in action: exchange of perspectives and reflections on taxonomies of individual differences. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170172.	4.0	6

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19	Temperament and brain networks of attention. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170254.	4.0	71
20	Parenting and Human Brain Development. , 2018, , 173-199.		3
21	Changes in white matter in mice resulting from low-frequency brain stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6339-E6346.	7.1	35
22	Methylation polymorphism influences practice effects in children during attention tasks. Cognitive Neuroscience, 2017, 8, 72-84.	1.4	49
23	How changes in white matter might underlie improved reaction time due to practice. Cognitive Neuroscience, 2017, 8, 112-118.	1.4	13
24	White matter and reaction time: Reply to commentaries. Cognitive Neuroscience, 2017, 8, 137-140.	1.4	0
25	Rhythmic brain stimulation reduces anxiety-related behavior in a mouse model based on meditation training. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2532-2537.	7.1	37
26	Integrating brain, cognition and culture. Journal of Cultural Cognitive Science, 2017, 1, 3-15.	1.1	8
27	Orienting of Attention: Then and Now. Quarterly Journal of Experimental Psychology, 2016, 69, 1864-1875.	1.1	159
28	Developing brain networks of attention. Current Opinion in Pediatrics, 2016, 28, 720-724.	2.0	62
29	Mindfulness meditation improves emotion regulation and reduces drug abuse. Drug and Alcohol Dependence, 2016, 163, S13-S18.	3.2	161
30	Traits and states in mindfulness meditation. Nature Reviews Neuroscience, 2016, 17, 59-59.	10.2	54
31	A Polymorphism Related to Methylation Influences Attention during Performance of Speeded Skills. AIMS Neuroscience, 2016, 3, 40-55.	2.3	54
32	Oscar Marin and the Creation of a Cognitive Neuropsychology Laboratory. Cognitive and Behavioral Neurology, 2015, 28, 129-133.	0.9	1
33	Time course of conflict processing modulated by brief meditation training. Frontiers in Psychology, 2015, 6, 911.	2.1	22
34	The developing brain in a multitasking world. Developmental Review, 2015, 35, 42-63.	4.7	79
35	Short-term meditation modulates brain activity of insight evoked with solution cue. Social Cognitive and Affective Neuroscience, 2015, 10, 43-49.	3.0	62
36	Enhancing attention through training. Current Opinion in Behavioral Sciences, 2015, 4, 1-5.	3.9	67

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37	Circuitry of self-control and its role in reducing addiction. Trends in Cognitive Sciences, 2015, 19, 439-444.	7.8	163
38	Short-term meditation increases blood flow in anterior cingulate cortex and insula. Frontiers in Psychology, 2015, 6, 212.	2.1	47
39	The neuroscience of mindfulness meditation. Nature Reviews Neuroscience, 2015, 16, 213-225.	10.2	1,701
40	Mindfulness and Training Attention. , 2015, , 23-32.		2
41	Developing Attention: Behavioral and Brain Mechanisms. Advances in Neuroscience (Hindawi), 2014, 2014, 1-9.	3.1	187
42	Mechanisms of white matter change induced by meditation training. Frontiers in Psychology, 2014, 5, 1220.	2.1	45
43	Short Term Integrative Meditation Improves Resting Alpha Activity and Stroop Performance. Applied Psychophysiology Biofeedback, 2014, 39, 213-217.	1.7	37
44	Short-term meditation induces changes in brain resting EEG theta networks. Brain and Cognition, 2014, 87, 1-6.	1.8	68
45	Attention to learning of school subjects. Trends in Neuroscience and Education, 2014, 3, 14-17.	3.1	34
46	Meditation improves selfâ€regulation over the life span. Annals of the New York Academy of Sciences, 2014, 1307, 104-111.	3.8	72
47	Training brain networks and states. Trends in Cognitive Sciences, 2014, 18, 345-350.	7.8	132
48	Cortisol Level Modulated by Integrative Meditation in a Doseâ€dependent Fashion. Stress and Health, 2014, 30, 65-70.	2.6	49
49	Do You Suppose That, in Addition to the Sensorimotor Isolation of REM, There Is Impairment of Intrinsic Attentional Processes That We Experience as an Inability to Observe and Think in Our Dreams?. Vienna Circle Institute Library, 2014, , 187-188.	0.1	0
50	Developing self-regulation in early childhood. Trends in Neuroscience and Education, 2013, 2, 107-110.	3.1	22
51	Tools of the trade: theory and method in mindfulness neuroscience. Social Cognitive and Affective Neuroscience, 2013, 8, 118-120.	3.0	63
52	Brief meditation training induces smoking reduction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13971-13975.	7.1	154
53	Contributions of Hebb and Vygotsky to an Integrated Science of Mind. Journal of the History of the Neurosciences, 2013, 22, 292-306.	0.9	3
54	Control networks and neuromodulators of early development.. Developmental Psychology, 2012, 48, 827-835.	1.6	174

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55	Mechanisms of white matter changes induced by meditation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10570-10574.	7.1	289
56	Neural correlates of establishing, maintaining, and switching brain states. Trends in Cognitive Sciences, 2012, 16, 330-337.	7.8	196
57	Expanding horizons in ergonomics research. NeuroImage, 2012, 59, 149-153.	4.2	12
58	Imaging attention networks. NeuroImage, 2012, 61, 450-456.	4.2	122
59	Attentional Networks and Consciousness. Frontiers in Psychology, 2012, 3, 64.	2.1	74
60	The Dopamine Receptor D4 Gene 7-Repeat Allele Interacts with Parenting Quality to Predict Effortful Control in Four-Year-Old Children. Child Development Research, 2012, 2012, 1-6.	1.9	28
61	The impact of poverty on the development of brain networks. Frontiers in Human Neuroscience, 2012, 6, 238.	2.0	74
62	The Attention System of the Human Brain: 20 Years After. Annual Review of Neuroscience, 2012, 35, 73-89.	10.7	2,350
63	Willpower and Brain Networks. ISSBD Bulletin, 2012, 2012, 7-10.	1.0	0
64	Brain states and hypnosis research. Consciousness and Cognition, 2011, 20, 325-327.	1.5	13
65	Developing Mechanisms of Self-Regulation in Early Life. Emotion Review, 2011, 3, 207-213.	3.4	412
66	Self-Regulation and Adolescent Drug Use: Translating Developmental Science and Neuroscience into Prevention Practice. , 2011, , 281-301.		5
67	Short-term meditation induces white matter changes in the anterior cingulate. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15649-15652.	7.1	404
68	Mucosal Immunity Modulated by Integrative Meditation in a Dose-Dependent Fashion. Journal of Alternative and Complementary Medicine, 2010, 16, 151-155.	2.1	33
69	Functional MRI evidence for inefficient attentional control in adolescent chronic cannabis abuse. Behavioural Brain Research, 2010, 215, 45-57.	2.2	96
70	Genetic variation influences on the early development of reactive emotions and their regulation by attention. Cognitive Neuropsychiatry, 2009, 14, 332-355.	1.3	44
71	Bridging Cognitive And Neural Aspects Of Classroom Learning. , 2009, , .		0
72	Toward a physical basis of attention and self-regulationâˆ†. Physics of Life Reviews, 2009, 6, 103-120.	2.8	179

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73	Testing the behavioral interaction and integration of attentional networks. Brain and Cognition, 2009, 70, 209-220.	1.8	367
74	Attention training and attention state training. Trends in Cognitive Sciences, 2009, 13, 222-227.	7.8	402
75	Measuring Alertness. Annals of the New York Academy of Sciences, 2008, 1129, 193-199.	3.8	296
76	Executive attention and self-regulation in infancy. , 2008, 31, 501-510.		134
77	The Functional Integration of the Anterior Cingulate Cortex during Conflict Processing. Cerebral Cortex, 2008, 18, 796-805.	2.9	147
78	Attention as an organ system. , 2008, , 31-61.		131
79	Parenting quality interacts with genetic variation in dopamine receptor D4 to influence temperament in early childhood. Development and Psychopathology, 2007, 19, 1039-1046.	2.3	319
80	Failure of Frontolimbic Inhibitory Function in the Context of Negative Emotion in Borderline Personality Disorder. American Journal of Psychiatry, 2007, 164, 1832-1841.	7.2	333
81	Short-term meditation training improves attention and self-regulation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17152-17156.	7.1	1,173
82	The Relation of Brain Oscillations to Attentional Networks. Journal of Neuroscience, 2007, 27, 6197-6206.	3.6	242
83	Research on Attention Networks as a Model for the Integration of Psychological Science. Annual Review of Psychology, 2007, 58, 1-23.	17.7	1,164
84	Can Attention Itself Be Trained? Attention Training for Children At-Risk for ADHD. Medical Psychiatry, 2007, , 397-409.	0.2	1
85	Executive Attention and Effortful Control: Linking Temperament, Brain Networks, and Genes. Child Development Perspectives, 2007, 1, 2-7.	3.9	196
86	Attention genes. Developmental Science, 2007, 10, 24-29.	2.4	146
87	The anterior cingulate gyrus and the mechanism of self-regulation. Cognitive, Affective and Behavioral Neuroscience, 2007, 7, 391-395.	2.0	314
88	A parallel interface for language and cognition in sentence production: Theory, method, and experimental evidence. Linguistic Review, 2007, 24, .	0.4	23
89	Educating the human brain.. , 2007, , .		214
90	Analyzing and shaping human attentional networks. Neural Networks, 2006, 19, 1422-1429.	5.9	181

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91	Infant brains detect arithmetic errors. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12649-12653.	7.1	152
92	Genes and experience in the development of executive attention and effortful control. New Directions for Child and Adolescent Development, 2005, 2005, 101-108.	2.2	77
93	The activation of attentional networks. NeuroImage, 2005, 26, 471-479.	4.2	1,400
94	From The Cover: Training, maturation, and genetic influences on the development of executive attention. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14931-14936.	7.1	912
95	Commentary on â€œBecoming Aware of Feelingsâ€. Neuropsychoanalysis, 2005, 7, 55-57.	0.7	1
96	Influencing brain networks: implications for education. Trends in Cognitive Sciences, 2005, 9, 99-103.	7.8	174
97	Selective impairment of attentional networks of orienting and executive control in schizophrenia. Schizophrenia Research, 2005, 78, 235-241.	2.0	147
98	Genes and experience shape brain networks of conscious control. Progress in Brain Research, 2005, 150, 173-183.	1.4	13
99	The Development of Executive Attention: Contributions to the Emergence of Self-Regulation. Developmental Neuropsychology, 2005, 28, 573-594.	1.4	586
100	Human Attentional Networks. Psychiatrische Praxis, Supplement, 2004, 31, 210-214.	0.0	151
101	Development of attentional networks in childhood. Neuropsychologia, 2004, 42, 1029-1040.	1.6	1,060
102	Development of the time course for processing conflict: an event-related potentials study with 4 year olds and adults. BMC Neuroscience, 2004, 5, 39.	1.9	167
103	Individual Differences in Executive Attention Predict Self-Regulation and Adolescent Psychosocial Behaviors. Annals of the New York Academy of Sciences, 2004, 1021, 337-340.	3.8	72
104	Hebb's Neural Networks Support the Integration of Psychological Science.. Canadian Psychology, 2004, 45, 265-278.	2.1	28
105	Developing Mechanisms of Temperamental Effortful Control. Journal of Personality, 2003, 71, 1113-1144.	3.2	499
106	Development of executive attention in preschool children. Developmental Science, 2003, 6, 498-504.	2.4	303
107	Imaging a science of mind. Trends in Cognitive Sciences, 2003, 7, 450-453.	7.8	28
108	Cognitive and Brain Consequences of Conflict. NeuroImage, 2003, 18, 42-57.	4.2	612

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109	Mapping the genetic variation of executive attention onto brain activity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7406-7411.	7.1	407
110	Mental Chronometry in the Study of Individual and Group Differences. Journal of Clinical and Experimental Neuropsychology, 2002, 24, 968-976.	1.3	13
111	Attentional mechanisms of borderline personality disorder. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 16366-16370.	7.1	228
112	Testing the Efficiency and Independence of Attentional Networks. Journal of Cognitive Neuroscience, 2002, 14, 340-347.	2.3	2,940
113	Attentional Phenotypes for the Analysis of Higher Mental Function. Scientific World Journal, The, 2002, 2, 217-223.	2.1	51
114	Adaptationism and molecular biology: An example based on ADHD. Behavioral and Brain Sciences, 2002, 25, .	0.7	6
115	Assessing the molecular genetics of attention networks. BMC Neuroscience, 2002, 3, 14.	1.9	290
116	Convergence of psychological and biological development. Developmental Psychobiology, 2002, 40, 339-343.	1.6	12
117	Development of the functional visual field. Acta Psychologica, 2001, 106, 51-68.	1.5	73
118	Developing brains: the work of the Sackler Institute. Clinical Neuroscience Research, 2001, 1, 258-266.	0.8	11
119	Assessing the heritability of attentional networks. BMC Neuroscience, 2001, 2, 14.	1.9	232
120	Progress in the Neural Sciences in the Century after Cajal (and the Mysteries That Remain). Annals of the New York Academy of Sciences, 2001, 929, 11-40.	3.8	17
121	Exploring the Biology of Socialization. Annals of the New York Academy of Sciences, 2001, 935, 208-216.	3.8	7
122	Developing mechanisms of self-regulation. Development and Psychopathology, 2000, 12, 427-441.	2.3	1,123
123	Executive Attention and Metacognitive Regulation. Consciousness and Cognition, 2000, 9, 288-307.	1.5	489
124	Evaluation of Attention Process Training and Brain Injury Education in Persons with Acquired Brain Injury. Journal of Clinical and Experimental Neuropsychology, 2000, 22, 656-676.	1.3	271
125	Cognitive and emotional influences in anterior cingulate cortex. Trends in Cognitive Sciences, 2000, 4, 215-222.	7.8	5,600
126	Flexible neural circuitry in word processing. Behavioral and Brain Sciences, 1999, 22, 299-300.	0.7	30

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127	Emotional modulation of attention orienting: A classical conditioning study. Scandinavian Journal of Psychology, 1999, 40, 91-99.	1.5	30
128	Nominations for the Editorship of Psychobiology. Cognitive, Affective and Behavioral Neuroscience, 1999, 27, 139-139.	1.3	0
129	Cognitive neuroscience. Current Opinion in Neurobiology, 1998, 8, 175-177.	4.2	3
130	Time Course of Activating Brain Areas in Generating Verbal Associations. Psychological Science, 1997, 8, 56-59.	3.3	159
131	Relating the mechanisms of orienting and alerting. Neuropsychologia, 1997, 35, 477-486.	1.6	208
132	Brain Mechanisms of Cognitive Skills. Consciousness and Cognition, 1997, 6, 267-290.	1.5	131
133	Priming reduces input activity in right posterior cortex during stem completion. NeuroReport, 1996, 7, 2975-2978.	1.2	23
134	Frontal and inferior temporal cortical activity in visual target detection: Evidence from high spatially sampled event-related potentials. Brain Topography, 1996, 9, 3-14.	1.8	129
135	PrÃ©cis of Images of Mind. Behavioral and Brain Sciences, 1995, 18, 327-339.	0.7	44
136	Interaction of method and theory in cognitive neuroscience. Behavioral and Brain Sciences, 1995, 18, 372-383.	0.7	2
137	Localization of a Neural System for Error Detection and Compensation. Psychological Science, 1994, 5, 303-305.	3.3	1,090
138	Spatiotemporal analysis of brain electrical fields. Human Brain Mapping, 1994, 1, 134-152.	3.6	204
139	Local and distributed processes in attentional orienting. Behavioral and Brain Sciences, 1994, 17, 78-79.	0.7	10
140	Neglect and spatial attention. Neuropsychological Rehabilitation, 1994, 4, 183-187.	1.6	7
141	Seeing the mind. Science, 1993, 262, 673-674.	12.6	52
142	Activating Tasks for the Study of Visual-Spatial Attention in ADHD Children: A Cognitive Anatomic Approach. Journal of Child Neurology, 1991, 6, S119-S127.	1.4	162
143	Dopaminergic excess or dysregulation?. Behavioral and Brain Sciences, 1991, 14, 26-26.	0.7	0
144	Components of Visual Orienting in Early Infancy: Contingency Learning, Anticipatory Looking, and Disengaging. Journal of Cognitive Neuroscience, 1991, 3, 335-344.	2.3	450

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145	The Attention System of the Human Brain. Annual Review of Neuroscience, 1990, 13, 25-42.	10.7	6,835
146	Recognition of visual letter strings following injury to the posterior visual spatial attention system. Cognitive Neuropsychology, 1988, 5, 427-449.	1.1	162
147	Asymmetries in Hemispheric Control of Attention in Schizophrenia. Archives of General Psychiatry, 1988, 45, 814.	12.3	349
148	ORIENTING OF VISUAL ATTENTION IN PROGRESSIVE SUPRANUCLEAR PALSY. Brain, 1988, 111, 267-280.	7.6	211
149	How do the parietal lobes direct covert attention?. Neuropsychologia, 1987, 25, 135-145.	1.6	496
150	Chronometric measures of g. Behavioral and Brain Sciences, 1985, 8, 237-238.	0.7	1
151	Inhibition of return: Neural basis and function. Cognitive Neuropsychology, 1985, 2, 211-228.	1.1	1,026
152	14 Attention and the Control of Movements. Advances in Psychology, 1980, 1, 243-258.	0.1	58
153	Orienting of Attention. The Quarterly Journal of Experimental Psychology, 1980, 32, 3-25.	1.2	7,757
154	Comparing Chronometrie methods. Behavioral and Brain Sciences, 1979, 2, 276-276.	0.7	2
155	Psychobiology of Attention. , 1975, , 441-480.		111
156	Reduced Attention and the Performance of â€œAutomatedâ€•Movements. Journal of Motor Behavior, 1969, 1, 245-258.	0.9	11
157	Brain mechanisms and learning of high level skills. , 0, , 151-165.		6