

Richard Coppola

List of Publications by Year in descending order

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94
papers

7,363
citations

71102

41
h-index

54911

84
g-index

98
all docs

98
docs citations

98
times ranked

7298
citing authors

#	ARTICLE	IF	CITATIONS
1	Episodic multiregional cortical coherence at multiple frequencies during visual task performance. <i>Nature</i> , 1993, 366, 153-156.	27.8	592
2	Executive Subprocesses in Working Memory. <i>Archives of General Psychiatry</i> , 2003, 60, 889.	12.3	562
3	Physiological activation of a cortical network during performance of the Wisconsin Card Sorting Test: A positron emission tomography study. <i>Neuropsychologia</i> , 1995, 33, 1027-1046.	1.6	498
4	Cognitive fitness of cost-efficient brain functional networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11747-11752.	7.1	385
5	Functional Magnetic Resonance Imaging Brain Mapping in Psychiatry: Methodological Issues Illustrated in a Study of Working Memory in Schizophrenia. <i>Neuropsychopharmacology</i> , 1998, 18, 186-196.	5.4	293
6	Effects of Dextroamphetamine on Cognitive Performance and Cortical Activation. <i>NeuroImage</i> , 2000, 12, 268-275.	4.2	274
7	Neuronal Avalanches in the Resting MEG of the Human Brain. <i>Journal of Neuroscience</i> , 2013, 33, 7079-7090.	3.6	270
8	Reduced Central Serotonin Transporters in Alcoholism. <i>American Journal of Psychiatry</i> , 1998, 155, 1544-1549.	7.2	263
9	Increased Anterior Cingulate Cortical Activity in Response to Fearful Faces: A Neurophysiological Biomarker that Predicts Rapid Antidepressant Response to Ketamine. <i>Biological Psychiatry</i> , 2009, 65, 289-295.	1.3	256
10	In Vivo Determination of Muscarinic Acetylcholine Receptor Availability in Schizophrenia. <i>American Journal of Psychiatry</i> , 2003, 160, 118-127.	7.2	231
11	Prefrontal Broadband Noise, Working Memory, and Genetic Risk for Schizophrenia. <i>American Journal of Psychiatry</i> , 2004, 161, 490-500.	7.2	218
12	Specific versus Nonspecific Brain Activity in a Parametric N-Back Task. <i>NeuroImage</i> , 2000, 12, 688-697.	4.2	188
13	Functional and effective frontotemporal connectivity and genetic risk for schizophrenia. <i>Biological Psychiatry</i> , 2003, 54, 1181-1192.	1.3	128
14	The G72/G30 Gene Complex and Cognitive Abnormalities in Schizophrenia. <i>Neuropsychopharmacology</i> , 2006, 31, 2022-2032.	5.4	127
15	The Distribution of Cerebral Muscarinic Acetylcholine Receptors In Vivo in Patients With Dementia. <i>Archives of Neurology</i> , 1991, 48, 169.	4.5	126
16	Psychomotor slowing, negative symptoms and dopamine receptor availability—An IBZM SPECT study in neuroleptic-treated and drug-free schizophrenic patients. <i>Schizophrenia Research</i> , 1998, 31, 19-26.	2.0	122
17	An association between reduced interhemispheric EEG coherence in the temporal lobe and genetic risk for schizophrenia. <i>Schizophrenia Research</i> , 2001, 49, 129-143.	2.0	109
18	Group differences in MEG-ICA derived resting state networks: Application to major depressive disorder. <i>NeuroImage</i> , 2015, 118, 1-12.	4.2	103

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19	Large-Scale Visuomotor Integration in the Cerebral Cortex. <i>Cerebral Cortex</i> , 2007, 17, 44-62.	2.9	102
20	Visual Awareness, Emotion, and Gamma Band Synchronization. <i>Cerebral Cortex</i> , 2009, 19, 1896-1904.	2.9	101
21	P300 and Genetic Risk for Schizophrenia. <i>Archives of General Psychiatry</i> , 2003, 60, 1158.	12.3	98
22	Magnetoencephalographic gamma power reduction in patients with schizophrenia during resting condition. <i>Human Brain Mapping</i> , 2009, 30, 3254-3264.	3.6	97
23	Abnormal Hippocampal Functioning and Impaired Spatial Navigation in Depressed Individuals: Evidence From Whole-Head Magnetoencephalography. <i>American Journal of Psychiatry</i> , 2010, 167, 836-844.	7.2	85
24	Isolating low frequency activity in EEG spectrum analysis. <i>Electroencephalography and Clinical Neurophysiology</i> , 1979, 46, 224-226.	0.3	80
25	Signal to noise ratio and response variability measurements in single trial evoked potentials. <i>Electroencephalography and Clinical Neurophysiology</i> , 1978, 44, 214-222.	0.3	79
26	Evoked amygdala responses to negative faces revealed by adaptive MEG beamformers. <i>Brain Research</i> , 2008, 1244, 103-112.	2.2	79
27	Opiate pharmacology and individual differences. II. Somatosensory evoked potentials. <i>Pain</i> , 1981, 10, 367-377.	4.2	78
28	Different neural pathways to negative affect in youth with pediatric bipolar disorder and severe mood dysregulation. <i>Journal of Psychiatric Research</i> , 2011, 45, 1283-1294.	3.1	78
29	Regional cerebral blood flow during the wisconsin card sorting test in normal subjects studied by xenon-133 dynamic SPECT: Comparison of absolute values, percent distribution values and covariance analysis. <i>Psychiatry Research - Neuroimaging</i> , 1993, 50, 177-192.	1.8	70
30	Regional change in brain morphometry in schizophrenia associated with antipsychotic treatment. <i>Psychiatry Research - Neuroimaging</i> , 2006, 148, 121-132.	1.8	67
31	Prefrontal Electrophysiologic "Noise" and Catechol-O-Methyltransferase Genotype in Schizophrenia. <i>Biological Psychiatry</i> , 2006, 60, 578-584.	1.3	66
32	Opiate pharmacology and individual differences. I. Psychophysical pain measurements. <i>Pain</i> , 1981, 10, 357-366.	4.2	64
33	Event-related potentials and genetic risk for schizophrenia. <i>Biological Psychiatry</i> , 2001, 50, 407-417.	1.3	60
34	Complex relationship between BOLD signal and synchronization/desynchronization of human brain MEG oscillations. <i>Human Brain Mapping</i> , 2007, 28, 805-816.	3.6	60
35	Instability of Prefrontal Signal Processing in Schizophrenia. <i>American Journal of Psychiatry</i> , 2006, 163, 1960-1968.	7.2	56
36	Somatosensory evoked potentials during whole body hyperthermia in humans. <i>Electroencephalography and Clinical Neurophysiology</i> , 1981, 52, 157-162.	0.3	54

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37	Intra- and Inter-Frequency Brain Network Structure in Health and Schizophrenia. PLoS ONE, 2013, 8, e72351.	2.5	54
38	Intravenous procaine as a probe of limbic system activity in psychiatric patients and normal controls. Biological Psychiatry, 1987, 22, 1107-1126.	1.3	53
39	Altered dopaminergic function and negative symptoms in drug-free patients with schizophrenia. British Journal of Psychiatry, 1997, 171, 574-577.	2.8	53
40	Topographic maps of brain electrical activity-pitfalls and precautions. Biological Psychiatry, 1988, 23, 628-636.	1.3	52
41	Top-down beta oscillatory signaling conveys behavioral context in early visual cortex. Scientific Reports, 2018, 8, 6991.	3.3	47
42	Adequacy of the International 10â€“20 Electrode System for Computed Neurophysiologic Topography. Journal of Clinical Neurophysiology, 1990, 7, 507-518.	1.7	43
43	Psychotropic Drug Profiles: Comparisons by Topographic Maps of Absolute Power. Neuropsychobiology, 1987, 18, 97-104.	1.9	41
44	Visual orienting in schizophrenia. Schizophrenia Research, 1992, 7, 203-209.	2.0	41
45	Where is the noise in sdt pain assessment?. Pain, 1983, 17, 257-266.	4.2	39
46	An investigation of the integrity of semantic boundaries in schizophrenia. Schizophrenia Research, 2002, 53, 187-198.	2.0	37
47	A preliminary study of the neural mechanisms of frustration in pediatric bipolar disorder using magnetoencephalography. Depression and Anxiety, 2010, 27, 276-286.	4.1	37
48	EEG asymmetries may be affected by cranial and Brain parenchymal asymmetries. Brain Topography, 1989, 1, 221-228.	1.8	35
49	Differential cholinergic regulation in Alzheimer's patients compared to controls following chronic blockade with scopolamine: a SPECT study. Psychopharmacology, 1995, 121, 231-241.	3.1	35
50	Preliminary differences in resting state MEG functional connectivity pre- and post-ketamine in major depressive disorder. Psychiatry Research - Neuroimaging, 2016, 254, 56-66.	1.8	35
51	Amygdala activation in affective priming: a magnetoencephalogram study. NeuroReport, 2007, 18, 1449-1453.	1.2	33
52	Graph theoretical analysis of resting magnetoencephalographic functional connectivity networks. Frontiers in Computational Neuroscience, 2013, 7, 93.	2.1	33
53	Threat of shock increases excitability and connectivity of the intraparietal sulcus. ELife, 2017, 6, .	6.0	32
54	New methods to determine the CNS effects of antigeriatric compounds: EEG topography and glucose use. Drug Development Research, 1982, 2, 489-496.	2.9	29

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55	Convergent BOLD and Beta-Band Activity in Superior Temporal Sulcus and Frontolimbic Circuitry Underpins Human Emotion Cognition. <i>Cerebral Cortex</i> , 2015, 25, 1878-1888.	2.9	29
56	Thalamic and caudate volumes in monozygotic twins discordant for schizophrenia. <i>Australian and New Zealand Journal of Psychiatry</i> , 2002, 36, 347-354.	2.3	27
57	EEG differences in monozygotic twins discordant and concordant for schizophrenia. <i>Psychophysiology</i> , 1999, 36, 109-117.	2.4	26
58	Cross-Frequency Power Coupling Between Hierarchically Organized Face-Selective Areas. <i>Cerebral Cortex</i> , 2014, 24, 2409-2420.	2.9	25
59	Spectral and topographic analysis of EEG in schizophrenic patients. <i>Biological Psychiatry</i> , 1993, 33, 284-290.	1.3	24
60	Prefrontal Cortex Modulation during Anticipation of Working Memory Demands as Revealed by Magnetoencephalography. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-10.	3.9	24
61	EEG laterality in the era of structural brain imaging. <i>Brain Topography</i> , 1991, 3, 381-390.	1.8	23
62	EEG spectra in severely dyslexic men: rest and word and design recognition. <i>Electroencephalography and Clinical Neurophysiology</i> , 1989, 73, 30-40.	0.3	21
63	Quantitative electroencephalographic effects of caffeine in panic disorder. <i>Psychiatry Research - Neuroimaging</i> , 1992, 45, 105-113.	1.8	21
64	Neuropharmacological studies with spect in neuropsychiatric disorders. <i>Nuclear Medicine and Biology</i> , 2000, 27, 677-682.	0.6	21
65	Functional Brain Network Characterization and Adaptivity during Task Practice in Healthy Volunteers and People with Schizophrenia ¹ . <i>Frontiers in Human Neuroscience</i> , 2011, 5, 81.	2.0	21
66	Neuroendocrine effects of limbic activation by electrical, spontaneous, and pharmacological modes: Relevance to the pathophysiology of affective dysregulation in psychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 1987, 11, 459-481.	4.8	20
67	Effects of β -hydroxybutyrate on the performance of monkeys in a Go/No-go visual discrimination task. <i>Behavioural Brain Research</i> , 1987, 26, 19-27.	2.2	20
68	Reduced Variability of Ongoing and Evoked Cortical Activity Leads to Improved Behavioral Performance. <i>PLoS ONE</i> , 2012, 7, e43166.	2.5	18
69	Spatiotemporal imaging of complexity. <i>Frontiers in Computational Neuroscience</i> , 2013, 6, 101.	2.1	16
70	Differential effects of congruence, stimulus meaning, and information on early and late components of the average evoked response. <i>Neuropsychologia</i> , 1974, 12, 533-544.	1.6	15
71	Occipital lobe morphology in normal individuals assessed by magnetic resonance imaging (MRI). <i>Vision Research</i> , 1991, 31, 1677-1685.	1.4	15
72	The relationship of occipital skull asymmetry to brain parenchymal measures in schizophrenia. <i>Schizophrenia Research</i> , 1989, 2, 465-472.	2.0	14

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73	Regional cerebral blood flow asymmetries in a group of 189 normal subjects at rest. <i>Brain Topography</i> , 1991, 4, 57-63.	1.8	13
74	Issues in Topographic Analysis of EEG Activity. , 1986, , 339-346.		11
75	Deriving frequency-dependent spatial patterns in MEG-derived resting state sensorimotor network: A novel multiband ICA technique. <i>Human Brain Mapping</i> , 2017, 38, 779-791.	3.6	11
76	Prefrontal high gamma during a magnetoencephalographic working memory task. <i>Human Brain Mapping</i> , 2019, 40, 1774-1785.	3.6	10
77	What Is Left of Attention in Schizophrenia?. <i>Archives of General Psychiatry</i> , 1990, 47, 393.	12.3	9
78	Brain Imaging in Alcoholic Patients. <i>Advances in Alcohol & Substance Abuse</i> , 1988, 7, 59-71.	0.5	8
79	Midline abnormalities and psychopathology: how reliable is the midsagittal magnetic resonance "window" into the brain?. <i>Psychiatry Research - Neuroimaging</i> , 1995, 61, 33-42.	1.8	8
80	Detecting Functional Connectivity During Audiovisual Integration with MEG: A Comparison of Connectivity Metrics. <i>Brain Connectivity</i> , 2015, 5, 336-348.	1.7	7
81	Sequence Variation Associated with SLC12A5 Gene Expression Is Linked to Brain Structure and Function in Healthy Adults. <i>Cerebral Cortex</i> , 2019, 29, 4654-4661.	2.9	7
82	The Neuromagnetic Dynamics of Time Perception. <i>PLoS ONE</i> , 2012, 7, e42618.	2.5	7
83	Preliminary studies of alpha rhythm and neuropsychological impairment in schizophrenia. <i>Schizophrenia Research</i> , 1988, 1, 399-403.	2.0	6
84	Multi-channel amplifier system for computerized topographic EEG analysis. <i>Electroencephalography and Clinical Neurophysiology</i> , 1987, 67, 191-193.	0.3	5
85	Dynamic cortical involvement in implicit anticipation during statistical learning. <i>Neuroscience Letters</i> , 2014, 558, 73-77.	2.1	5
86	Localization of Interictal Epileptic Spikes With MEG. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 414-420.	1.7	4
87	Intermittent Vorticity, Power Spectral Scaling, and Dynamical Measures on Resting Brain Magnetic Field Fluctuations A Pilot Study. , 2011, , 296-337.		3
88	Complexity of the Taskless Mind at Different Time-Scales: an Empirically Weighted Approach to Decomposition and Measurement. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	3
89	The impact of Val108/158Met polymorphism of catechol-O-methyltransferase on brain oscillations during working memory. <i>Neuroscience Letters</i> , 2016, 610, 86-91.	2.1	3
90	What Is Left of Attention in Schizophrenia?. <i>Archives of General Psychiatry</i> , 1990, 47, 291.	12.3	2

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91	Ingestion-Controlling Network: What's Language Got to Do with It?. <i>Reviews in the Neurosciences</i> , 2010, 21, 67-81.	2.9	2
92	Daydreaming, Thought Blocking and Strudels in the Taskless, Resting Human Brain's Magnetic Fields. , 2011, , .		2
93	Eeg Imaging Of Brain Activity: Methods And Potentials. <i>Proceedings of SPIE</i> , 1984, , .	0.8	1
94	Regression to the mean. <i>Brain Topography</i> , 1991, 4, 81-83.	1.8	1