

# 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  | 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         |
| 2  | Prefrontal high gamma during a magnetoencephalographic working memory task. <i>Human Brain Mapping</i> , 2019, 40, 1774-1785.   | 3.6 | 10        |
| 3  | Top-down beta oscillatory signaling conveys behavioral context in early visual cortex. <i>Scientific Reports</i> , 2018, 8, 6991.   | 3.3 | 47        |
| 4  | 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        |
| 5  | Threat of shock increases excitability and connectivity of the intraparietal sulcus. <i>ELife</i> , 2017, 6, .  | 6.0 | 32        |
| 6  | Localization of Interictal Epileptic Spikes With MEG. <i>Journal of Clinical Neurophysiology</i> , 2016, 33, 414-420.   | 1.7 | 4         |
| 7  | Preliminary differences in resting state MEG functional connectivity pre- and post-ketamine in major depressive disorder. <i>Psychiatry Research - Neuroimaging</i> , 2016, 254, 56-66. | 1.8 | 35        |
| 8  | 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         |
| 9  | Group differences in MEG-ICA derived resting state networks: Application to major depressive disorder. <i>NeuroImage</i> , 2015, 118, 1-12.   | 4.2 | 103       |
| 10 | Detecting Functional Connectivity During Audiovisual Integration with MEG: A Comparison of Connectivity Metrics. <i>Brain Connectivity</i> , 2015, 5, 336-348.                          | 1.7 | 7         |
| 11 | 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        |
| 12 | Dynamic cortical involvement in implicit anticipation during statistical learning. <i>Neuroscience Letters</i> , 2014, 558, 73-77.  | 2.1 | 5         |
| 13 | Cross-Frequency Power Coupling Between Hierarchically Organized Face-Selective Areas. <i>Cerebral Cortex</i> , 2014, 24, 2409-2420.   | 2.9 | 25        |
| 14 | Neuronal Avalanches in the Resting MEG of the Human Brain. <i>Journal of Neuroscience</i> , 2013, 33, 7079-7090.  | 3.6 | 270       |
| 15 | Intra- and Inter-Frequency Brain Network Structure in Health and Schizophrenia. <i>PLoS ONE</i> , 2013, 8, e72351.  | 2.5 | 54        |
| 16 | Spatiotemporal imaging of complexity. <i>Frontiers in Computational Neuroscience</i> , 2013, 6, 101.  | 2.1 | 16        |
| 17 | Graph theoretical analysis of resting magnetoencephalographic functional connectivity networks. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 93.                           | 2.1 | 33        |
| 18 | Reduced Variability of Ongoing and Evoked Cortical Activity Leads to Improved Behavioral Performance. <i>PLoS ONE</i> , 2012, 7, e43166.  | 2.5 | 18        |

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|----|--|-----|-----------|
| 19 | The Neuromagnetic Dynamics of Time Perception. PLoS ONE, 2012, 7, e42618.  | 2.5 | 7         |
| 20 | Functional Brain Network Characterization and Adaptivity during Task Practice in Healthy Volunteers and People with Schizophrenia <sup>1</sup> . Frontiers in Human Neuroscience, 2011, 5, 81.                 | 2.0 | 21        |
| 21 | Daydreaming, Thought Blocking and Strudels in the Taskless, Resting Human Brain's Magnetic Fields. , 2011, , .   |     | 2         |
| 22 | Intermittent Vorticity, Power Spectral Scaling, and Dynamical Measures on Resting Brain Magnetic Field FluctuationsA Pilot Study. , 2011, , 296-337.   |     | 3         |
| 23 | Complexity of the Taskless Mind at Different Time-Scales: an Empirically Weighted Approach to Decomposition and Measurement. AIP Conference Proceedings, 2011, , .   | 0.4 | 3         |
| 24 | Different neural pathways to negative affect in youth with pediatric bipolar disorder and severe mood dysregulation. Journal of Psychiatric Research, 2011, 45, 1283-1294.                                     | 3.1 | 78        |
| 25 | 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        |
| 26 | Ingestion-Controlling Network: What's Language Got to Do with It?. Reviews in the Neurosciences, 2010, 21, 67-81.  | 2.9 | 2         |
| 27 | Prefrontal Cortex Modulation during Anticipation of Working Memory Demands as Revealed by Magnetoencephalography. International Journal of Biomedical Imaging, 2010, 2010, 1-10.                               | 3.9 | 24        |
| 28 | Abnormal Hippocampal Functioning and Impaired Spatial Navigation in Depressed Individuals: Evidence From Whole-Head Magnetoencephalography. American Journal of Psychiatry, 2010, 167, 836-844.                | 7.2 | 85        |
| 29 | Visual Awareness, Emotion, and Gamma Band Synchronization. Cerebral Cortex, 2009, 19, 1896-1904.   | 2.9 | 101       |
| 30 | Magnetoencephalographic gamma power reduction in patients with schizophrenia during resting condition. Human Brain Mapping, 2009, 30, 3254-3264.   | 3.6 | 97        |
| 31 | Increased Anterior Cingulate Cortical Activity in Response to Fearful Faces: A Neurophysiological Biomarker that Predicts Rapid Antidepressant Response to Ketamine. Biological Psychiatry, 2009, 65, 289-295. | 1.3 | 256       |
| 32 | Cognitive fitness of cost-efficient brain functional networks. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11747-11752.  | 7.1 | 385       |
| 33 | Evoked amygdala responses to negative faces revealed by adaptive MEG beamformers. Brain Research, 2008, 1244, 103-112.   | 2.2 | 79        |
| 34 | Large-Scale Visuomotor Integration in the Cerebral Cortex. Cerebral Cortex, 2007, 17, 44-62.   | 2.9 | 102       |
| 35 | Amygdala activation in affective priming: a magnetoencephalogram study. NeuroReport, 2007, 18, 1449-1453.  | 1.2 | 33        |
| 36 | Complex relationship between BOLD signal and synchronization/desynchronization of human brain MEG oscillations. Human Brain Mapping, 2007, 28, 805-816.  | 3.6 | 60        |

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|----|---|------|-----------|
| 37 | The G72/G30 Gene Complex and Cognitive Abnormalities in Schizophrenia. <i>Neuropsychopharmacology</i> , 2006, 31, 2022-2032.  | 5.4  | 127       |
| 38 | Instability of Prefrontal Signal Processing in Schizophrenia. <i>American Journal of Psychiatry</i> , 2006, 163, 1960-1968.   | 7.2  | 56        |
| 39 | Prefrontal Electrophysiologic "Noise" and Catechol-O-Methyltransferase Genotype in Schizophrenia. <i>Biological Psychiatry</i> , 2006, 60, 578-584.   | 1.3  | 66        |
| 40 | Regional change in brain morphometry in schizophrenia associated with antipsychotic treatment. <i>Psychiatry Research - Neuroimaging</i> , 2006, 148, 121-132.  | 1.8  | 67        |
| 41 | Prefrontal Broadband Noise, Working Memory, and Genetic Risk for Schizophrenia. <i>American Journal of Psychiatry</i> , 2004, 161, 490-500.   | 7.2  | 218       |
| 42 | Functional and effective frontotemporal connectivity and genetic risk for schizophrenia. <i>Biological Psychiatry</i> , 2003, 54, 1181-1192.  | 1.3  | 128       |
| 43 | Executive Subprocesses in Working Memory. <i>Archives of General Psychiatry</i> , 2003, 60, 889.  | 12.3 | 562       |
| 44 | In Vivo Determination of Muscarinic Acetylcholine Receptor Availability in Schizophrenia. <i>American Journal of Psychiatry</i> , 2003, 160, 118-127.   | 7.2  | 231       |
| 45 | P300 and Genetic Risk for Schizophrenia. <i>Archives of General Psychiatry</i> , 2003, 60, 1158.  | 12.3 | 98        |
| 46 | An investigation of the integrity of semantic boundaries in schizophrenia. <i>Schizophrenia Research</i> , 2002, 53, 187-198.   | 2.0  | 37        |
| 47 | 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        |
| 48 | 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       |
| 49 | Event-related potentials and genetic risk for schizophrenia. <i>Biological Psychiatry</i> , 2001, 50, 407-417.  | 1.3  | 60        |
| 50 | Neuropharmacological studies with spect in neuropsychiatric disorders. <i>Nuclear Medicine and Biology</i> , 2000, 27, 677-682.   | 0.6  | 21        |
| 51 | Effects of Dextroamphetamine on Cognitive Performance and Cortical Activation. <i>NeuroImage</i> , 2000, 12, 268-275.   | 4.2  | 274       |
| 52 | Specific versus Nonspecific Brain Activity in a Parametric N-Back Task. <i>NeuroImage</i> , 2000, 12, 688-697.  | 4.2  | 188       |
| 53 | EEG differences in monozygotic twins discordant and concordant for schizophrenia. <i>Psychophysiology</i> , 1999, 36, 109-117.  | 2.4  | 26        |
| 54 | 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       |

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|----|---|------|-----------|
| 55 | Psychomotor slowing, negative symptoms and dopamine receptor availabilityâ€”an IBZM SPECT study in neuroleptic-treated and drug-free schizophrenic patients. <i>Schizophrenia Research</i> , 1998, 31, 19-26.   | 2.0  | 122       |
| 56 | Reduced Central Serotonin Transporters in Alcoholism. <i>American Journal of Psychiatry</i> , 1998, 155, 1544-1549.   | 7.2  | 263       |
| 57 | Altered dopaminergic function and negative symptoms in drug-free patients with schizophrenia. <i>British Journal of Psychiatry</i> , 1997, 171, 574-577.  | 2.8  | 53        |
| 58 | Differential cholinergic regulation in Alzheimer's patients compared to controls following chronic blockade with scopolamine: a SPECT study. <i>Psychopharmacology</i> , 1995, 121, 231-241.  | 3.1  | 35        |
| 59 | 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       |
| 60 | Midline abnormalities and psychopathology: how reliable is the midsagittal magnetic resonance â€œwindowâ€ into the brain?. <i>Psychiatry Research - Neuroimaging</i> , 1995, 61, 33-42.   | 1.8  | 8         |
| 61 | Episodic multiregional cortical coherence at multiple frequencies during visual task performance. <i>Nature</i> , 1993, 366, 153-156.   | 27.8 | 592       |
| 62 | 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        |
| 63 | Spectral and topographic analysis of EEG in schizophrenic patients. <i>Biological Psychiatry</i> , 1993, 33, 284-290.   | 1.3  | 24        |
| 64 | Quantitative electroencephalographic effects of caffeine in panic disorder. <i>Psychiatry Research - Neuroimaging</i> , 1992, 45, 105-113.  | 1.8  | 21        |
| 65 | Visual orienting in schizophrenia. <i>Schizophrenia Research</i> , 1992, 7, 203-209.  | 2.0  | 41        |
| 66 | Occipital lobe morphology in normal individuals assessed by magnetic resonance imaging (MRI). <i>Vision Research</i> , 1991, 31, 1677-1685.   | 1.4  | 15        |
| 67 | EEG laterality in the era of structural brain imaging. <i>Brain Topography</i> , 1991, 3, 381-390.  | 1.8  | 23        |
| 68 | 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        |
| 69 | Regression to the mean. <i>Brain Topography</i> , 1991, 4, 81-83.   | 1.8  | 1         |
| 70 | The Distribution of Cerebral Muscarinic Acetylcholine Receptors In Vivo in Patients With Dementia. <i>Archives of Neurology</i> , 1991, 48, 169.  | 4.5  | 126       |
| 71 | Adequacy of the International 10â€“20 Electrode System for Computed Neurophysiologic Topography. <i>Journal of Clinical Neurophysiology</i> , 1990, 7, 507-518.   | 1.7  | 43        |
| 72 | What Is Left of Attention in Schizophrenia?. <i>Archives of General Psychiatry</i> , 1990, 47, 393.   | 12.3 | 9         |

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|----|---|------|-----------|
| 73 | What Is Left of Attention in Schizophrenia?. Archives of General Psychiatry, 1990, 47, 291.   | 12.3 | 2         |
| 74 | EEG asymmetries may be affected by cranial and Brain parenchymal asymmetries. Brain Topography, 1989, 1, 221-228.   | 1.8  | 35        |
| 75 | The relationship of occipital skull asymmetry to brain parenchymal measures in schizophrenia. Schizophrenia Research, 1989, 2, 465-472.   | 2.0  | 14        |
| 76 | EEG spectra in severely dyslexic men: rest and word and design recognition. Electroencephalography and Clinical Neurophysiology, 1989, 73, 30-40.   | 0.3  | 21        |
| 77 | Preliminary studies of alpha rhythm and neuropsychological impairment in schizophrenia. Schizophrenia Research, 1988, 1, 399-403.   | 2.0  | 6         |
| 78 | Topographic maps of brain electrical activity-pitfalls and precautions. Biological Psychiatry, 1988, 23, 628-636.   | 1.3  | 52        |
| 79 | Brain Imaging in Alcoholic Patients. Advances in Alcohol & Substance Abuse, 1988, 7, 59-71.   | 0.5  | 8         |
| 80 | Psychotropic Drug Profiles: Comparisons by Topographic Maps of Absolute Power. Neuropsychobiology, 1987, 18, 97-104.  | 1.9  | 41        |
| 81 | Neuroendocrine effects of limbic activation by electrical, spontaneous, and pharmacological modes: Relevance to the pathophysiology of affective dysregulation in psychiatric disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1987, 11, 459-481. | 4.8  | 20        |
| 82 | Multi-channel amplifier system for computerized topographic EEG analysis. Electroencephalography and Clinical Neurophysiology, 1987, 67, 191-193.   | 0.3  | 5         |
| 83 | Intravenous procaine as a probe of limbic system activity in psychiatric patients and normal controls. Biological Psychiatry, 1987, 22, 1107-1126.  | 1.3  | 53        |
| 84 | Effects of $\hat{1}^3$ -hydroxybutyrate on the performance of monkeys in a Go/No-go visual discrimination task. Behavioural Brain Research, 1987, 26, 19-27.  | 2.2  | 20        |
| 85 | Issues in Topographic Analysis of EEG Activity. , 1986, , 339-346.  |      | 11        |
| 86 | Eeg Imaging Of Brain Activity: Methods And Potentials. Proceedings of SPIE, 1984, , .   | 0.8  | 1         |
| 87 | Where is the noise in sdt pain assessment?. Pain, 1983, 17, 257-266.  | 4.2  | 39        |
| 88 | 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        |
| 89 | Somatosensory evoked potentials during whole body hyperthermia in humans. Electroencephalography and Clinical Neurophysiology, 1981, 52, 157-162.   | 0.3  | 54        |
| 90 | Opiate pharmacology and individual differences. I. Psychophysical pain measurements. Pain, 1981, 10, 357-366.   | 4.2  | 64        |

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| 91 | Opiate pharmacology and individual differences. II. Somatosensory evoked potentials. Pain, 1981, 10, 367-377.   | 4.2 | 78        |
| 92 | Isolating low frequency activity in EEG spectrum analysis. Electroencephalography and Clinical Neurophysiology, 1979, 46, 224-226.                                      | 0.3 | 80        |
| 93 | Signal to noise ratio and response variability measurements in single trial evoked potentials. Electroencephalography and Clinical Neurophysiology, 1978, 44, 214-222.  | 0.3 | 79        |
| 94 | Differential effects of congruence, stimulus meaning, and information on early and late components of the average evoked response. Neuropsychologia, 1974, 12, 533-544. | 1.6 | 15        |