Erika Molteni

List of Publications by Year
in descending order

82 papers	5,482 citations	331538 21 h-index	175177 52 g-index
99 all docs	99 docs citations	99 times ranked	7226 citing authors

#	ARTICLE	IF	CITATIONS
1	Attributes and predictors of long COVID. Nature Medicine, 2021, 27, 626-631.	15.2	1,613
2	Vaccine side-effects and SARS-CoV-2 infection after vaccination in users of the COVID Symptom Study app in the UK: a prospective observational study. Lancet Infectious Diseases, The, 2021, 21, 939-949.	4.6	744
3	Risk factors and disease profile of post-vaccination SARS-CoV-2 infection in UK users of the COVID Symptom Study app: a prospective, community-based, nested, case-control study. Lancet Infectious Diseases, The, 2022, 22, 43-55.	4.6	573
4	Symptom prevalence, duration, and risk of hospital admission in individuals infected with SARS-CoV-2 during periods of omicron and delta variant dominance: a prospective observational study from the ZOE COVID Study. Lancet, The, 2022, 399, 1618-1624.	6.3	547
5	Illness duration and symptom profile in symptomatic UK school-aged children tested for SARS-CoV-2. The Lancet Child and Adolescent Health, 2021, 5, 708-718.	2.7	304
6	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. Lancet Public Health, The, 2021, 6, e335-e345.	4.7	269
7	Use and Safety of Immunotherapeutic Management of N-Methyl-d-Aspartate Receptor Antibody Encephalitis. JAMA Neurology, 2021, 78, 1333.	4.5	91
8	Early detection of COVID-19 in the UK using self-reported symptoms: a large-scale, prospective, epidemiological surveillance study. The Lancet Digital Health, 2021, 3, e587-e598.	5.9	60
9	Anosmia, ageusia, and other COVID-19-like symptoms in association with a positive SARS-CoV-2 test, across six national digital surveillance platforms: an observational study. The Lancet Digital Health, 2021, 3, e577-e586.	5.9	51
10	Past and future of near-infrared spectroscopy in studies of emotion and social neuroscience. Journal of Cognitive Psychology, 2016, 28, 129-146.	0.4	50
11	Anxiety and depression symptoms after COVID-19 infection: results from the COVID Symptom Study app. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 1254-1258.	0.9	44
12	Load-dependent brain activation assessed by time-domain functional near-infrared spectroscopy during a working memory task with graded levels of difficulty. Journal of Biomedical Optics, 2012, 17, 056005.	1.4	42
13	Diverse functions of myosin VI elucidated by an isoform-specific α-helix domain. Nature Structural and Molecular Biology, 2016, 23, 300-308.	3.6	42
14	Deep and surface hemodynamic signal from functional time resolved transcranial near infrared spectroscopy compared to skin flowmotion. Computers in Biology and Medicine, 2012, 42, 282-289.	3.9	41
15	COVID-19 due to the B.1.617.2 (Delta) variant compared to B.1.1.7 (Alpha) variant of SARS-CoV-2: a prospective observational cohort study. Scientific Reports, 2022, 12, .	1.6	39
16	Investigation of negative BOLD responses in human brain through NIRS technique. A visual stimulation study. NeuroImage, 2015, 108, 410-422.	2.1	37
17	Key role of SMN/SYNCRIP and RNA-Motif 7 in spinal muscular atrophy: RNA-Seq and motif analysis of human motor neurons. Brain, 2019, 142, 276-294.	3.7	31
18	Hemodynamic and EEG Time-Courses During Unilateral Hand Movement in Patients with Cortical Myoclonus. An EEG-fMRI and EEG-TD-fNIRS Study. Brain Topography, 2015, 28, 915-925.	0.8	30

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19	Illness Characteristics of COVID-19 in Children Infected with the SARS-CoV-2 Delta Variant. Children, 2022, 9, 652.	0.6	28
20	Polysomnographic Sleep Patterns in Children and Adolescents in Unresponsive Wakefulness Syndrome. Journal of Head Trauma Rehabilitation, 2015, 30, 334-346.	1.0	25
21	Combined robotic-aided gait training and physical therapy improve functional abilities and hip kinematics during gait in children and adolescents with acquired brain injury. Brain Injury, 2015, 29, 955-962.	0.6	23
22	Movement analysis and EEG recordings in children with hemiplegic cerebral palsy. Experimental Brain Research, 2012, 223, 517-524.	0.7	22
23	Symptoms and syndromes associated with SARS-CoV-2 infection and severity in pregnant women from two community cohorts. Scientific Reports, 2021, 11, 6928.	1.6	22
24	The Utility of a Computerized Algorithm Based on a Multi-Domain Profile of Measures for the Diagnosis of Attention Deficit/Hyperactivity Disorder. Frontiers in Psychiatry, 2017, 8, 189.	1.3	21
25	Optimal symptom combinations to aid COVID-19 case identification: Analysis from a community-based, prospective, observational cohort. Journal of Infection, 2021, 82, 384-390.	1.7	21
26	Analysis of the dynamical behaviour of the EEG rhythms during a test of sustained attention. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1298-301.	0.5	20
27	Effect of prolonged stimulation on cerebral hemodynamic: A time‐resolved fNIRS study. Medical Physics, 2009, 36, 4103-4114.	1.6	20
28	Accessible data curation and analytics for international-scale citizen science datasets. Scientific Data, 2021, 8, 297.	2.4	18
29	Towards a Biomarker of Motor Adaptation: Integration of Kinematic and Neural Factors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 258-267.	2.7	16
30	Post-vaccination infection rates and modification of COVID-19 symptoms in vaccinated UK school-aged children and adolescents: A prospective longitudinal cohort study. Lancet Regional Health - Europe, The, 2022, 19, 100429.	3.0	15
31	Activation of the prefrontal cortex during a visual *n*-back working memory task with varying memory load: A Near Infrared Spectroscopy Study. , 2008, 2008, 4024-7.		14
32	Infant's emotional variability associated to interactive stressful situation: A novel analysis approach with Sample Entropy and Lempel–Ziv Complexity. , 2010, 33, 346-356.		14
33	A diffusion tensor magnetic resonance imaging study of paediatric patients with severe non‐traumatic brain injury. Developmental Medicine and Child Neurology, 2017, 59, 199-206.	1.1	13
34	Combined Behavioral and EEG Power Analysis in DAI Improve Accuracy in the Assessment of Sustained Attention Deficit. Annals of Biomedical Engineering, 2008, 36, 1216-1227.	1.3	12
35	Robotically-driven orthoses exert proximal-to-distal differential recovery on the lower limbs in children with hemiplegia, early after acquired brain injury. European Journal of Paediatric Neurology, 2018, 22, 652-661.	0.7	12
36	Fronto‐temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. European Journal of Neurology, 2019, 26, 1183-1190.	1.7	12

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37	Joint Neuropsychological Assessment through Coma/Near Coma and Level of Cognitive Functioning Assessment Scales Reduces Negative Findings in Pediatric Disorders of Consciousness. Brain Sciences, 2020, 10, 162.	1.1	12
38	Altered Recruitment of the Attention Network Is Associated with Disability and Cognitive Impairment in Pediatric Patients with Acquired Brain Injury. Neural Plasticity, 2015, 2015, 1-13.	1.0	11
39	LOCFASâ€"Assessed Evolution of Cognitive and Behavioral Functioning in a Sample of Pediatric Patients With Severe Acquired Brain Injury in the Postacute Phase. Journal of Child Neurology, 2015, 30, 1125-1134.	0.7	11
40	Knowledge barriers in a national symptomatic-COVID-19 testing programme. PLOS Global Public Health, 2022, 2, e0000028.	0.5	11
41	From neurovascular coupling to neurovascular cascade: a study on neural, autonomic and vascular transients in attention. Physiological Measurement, 2012, 33, 1379-1397.	1.2	10
42	Individualized Prognostic Prediction of the Long-Term Functional Trajectory in Pediatric Acquired Brain Injury. Journal of Personalized Medicine, 2021, 11, 675.	1.1	10
43	Can passive mobilization provide clinically-relevant brain stimulation? A pilot eeg and nirs study on healthy subjects. , 2013, 2013, 3547-50.		9
44	Sleep/Wake Modulation of Polysomnographic Patterns has Prognostic Value in Pediatric Unresponsive Wakefulness Syndrome. Journal of Clinical Sleep Medicine, 2016, 12, 1131-1141.	1.4	9
45	Disordered Consciousness or Disordered Wakefulness? The Importance of Prolonged Polysomnography for the Diagnosis, Drug Therapy, and Rehabilitation of an Unresponsive Patient With Brain Injury. Journal of Clinical Sleep Medicine, 2017, 13, 1477-1481.	1.4	9
46	White matter analysis of the extremely preterm born adult brain. NeuroImage, 2021, 237, 118112.	2.1	9
47	Emerging Treatments for Disorders of Consciousness in Paediatric Age. Brain Sciences, 2022, 12, 198.	1.1	9
48	Bedside assessment of residual functional activation in minimally conscious state using NIRS and general linear models. , 2013, 2013, 3551-4.		8
49	Five-year motor functional outcome in children with acquired brain injury. Yet to the end of the story?. Developmental Neurorehabilitation, 2018, 21, 449-456.	0.5	8
50	International survey on diagnostic and prognostic procedures in pediatric disorders of consciousness. Brain Injury, 2019, 33, 517-528.	0.6	8
51	Assessing the impact of the pandemic in children and adolescents: SARS-CoV-2 infection and beyond. The Lancet Child and Adolescent Health, 2022, 6, 216-217.	2.7	8
52	Disentangling post-vaccination symptoms from early COVID-19. EClinicalMedicine, 2021, 42, 101212.	3.2	8
53	Study of neurovascular and autonomic response in a divided attention test by means of EEG, ECG and NIRS signals. , 2011, 2011, 1403-6.		7
54	Frontal brain activation during a working memory task: a time-domain fNIRS study. , 2009, , .		6

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55	Coupling of fMRI and NIRS measurements in the study of negative BOLD response to intermittent photic stimulation. , 2013, 2013, 1378-81.		3
56	Combined robotic-aided gait training and 3D gait analysis provide objective treatment and assessment of gait in children and adolescents with Acquired Hemiplegia. , 2015, 2015, 4566-9.		3
57	Comparison of Multi-class Machine Learning Methods for the Identification of Factors Most Predictive of Prognosis in Neurobehavioral assessment of Pediatric Severe Disorder of Consciousness through LOCFAS scale. , 2019, 2019, 269-272.		3
58	Entropy analysis on EEG signal in a case study of focal myoclonus. , 2008, 2008, 4724-7.		2
59	A methodological study for the multifactorial assessment of motor adaptation: Integration of kinematic and neural factors. , 2010, 2010, 4910-3.		2
60	Assessment of cortical response during motor task in adults by a multimodality approach based on fNIRS-EEG, fMRI-EEG, and TMS. , 2011, , .		2
61	Long COVID in children â€" Authors' reply. The Lancet Child and Adolescent Health, 2022, 6, e3.	2.7	2
62	A Comparison of Symptom Prevalence, Severity and Duration in the SARS-CoV-2 Omicron Versus Delta Variants Among Vaccinated Individuals from the ZOE COVID Study. SSRN Electronic Journal, 0, , .	0.4	2
63	Event related synchronization and Hilbert Huang transform in the study of motor adaptation: A comparison of methods. , 2011, , .		1
64	Multimodality fNIRS-EEG, fMRI-EEG and TMS Clinical Study on Cortical Response During Motor Task in Adult Volunteers and Epileptic Patients with Movement Disorders. , 2012, , .		1
65	GLM analysis of time resolved NIRS data of motor activation during different motor tasks. , 2013, 2013, 1787-90.		1
66	Pilot study of the cortical correlates and clinical effects of passive ankle mobilisation in children with upper motorneuron lesions. , 2015, 2015, 6614-7.		1
67	Quantification of long-term effects of botulinum injection in a case of cerebral palsy affecting the upper limb movement. Developmental Neurorehabilitation, 2015, 18, 145-148.	0.5	1
68	Feasibility Randomized Trial for an Intensive Memory-Focused Training Program for School-Aged Children with Acquired Brain Injury. Brain Sciences, 2020, 10, 430.	1.1	1
69	Gaussian Processes with optimal kernel construction for neuro-degenerative clinical onset prediction. , 2018, , .		1
70	Intra- and extra-cortical activation during a working memory task assessed by time-resolved near-infrared spectroscopy (fNIRS). Proceedings of SPIE, 2009, , .	0.8	0
71	Proposal of a combined optoelectronic and electroencephalographic method for the study of kinematic and neural correlates of Motor Adaptation. , 2010, , .		0
72	Moving dipoles method detects displacement in N2 and P3 generation in diffuse axonal injury patients. , 2010, 2010, 3265-8.		0

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73	A New Device for an Early Rehabilitation of the Ankle Joint and its Effects on Brain Activation: A NIRS and EEG Study. , 2013, , .		0
74	fNIRS measure of transitive and intransitive gesture execution, observation and imagination in ecological setting: A pilot study. , 2015, 2015, 3484-7.		0
75	ICâ€Pâ€048: SAMPLE SIZE ESTIMATES FOR SECONDARY PREVENTION STUDIES USING REGIONAL ATROPHY RATES. Alzheimer's and Dementia, 2018, 14, P47.	0.4	0
76	ICâ€Pâ€165: ROBUST IDENTIFICATION OF BRAIN STRUCTURES MOST DISCRIMINATIVE IN DETECTING EARLY CHANGES IN AUTOSOMAL DOMINANT ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2018, 14, P138.	0.4	0
77	Vaccine after Effects and Post-Vaccine Infection in a Real World Setting: Results from the COVID Symptom Study App. SSRN Electronic Journal, 0, , .	0.4	0
78	Intra- and Extra-cortical activation during a working memory task assessed by time-resolved near-infrared spectroscopy (fNIRS). , 2009, , .		0
79	EEG and Time-domain fNIRS Co-registration during a Divided Attention Task. , 2010, , .		0
80	Assessment of cortical response during motor task in adults by a multimodality approach based on fNIRS-EEG, fMRI-EEG, and TMS. , 2011, , .		0
81	Cortical Response During Motor Task in Epileptic Patients with Movement Disorders: A Multimodality fNIRS-EEG, fMRI-EEG and TMS Clinical Study. , 2012, , .		0
82	Cortical Response During Motor Task in Epileptic Patients with Movement Disorders: A Multimodality fNIRS-EEG, fMRI-EEG and TMS Clinical Study. , 2012, , .		0