

Erika Molteni

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

5,482
citations

331670

21
h-index

175258

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. <i>Nature Medicine</i> , 2021, 27, 626-631.	30.7	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. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 939-949.	9.1	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. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 43-55.	9.1	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. <i>Lancet</i> , The, 2022, 399, 1618-1624.	13.7	547
5	Illness duration and symptom profile in symptomatic UK school-aged children tested for SARS-CoV-2. <i>The Lancet Child and Adolescent Health</i> , 2021, 5, 708-718.	5.6	304
6	Changes in symptomatology, reinfection, and transmissibility associated with the SARS-CoV-2 variant B.1.1.7: an ecological study. <i>Lancet Public Health</i> , The, 2021, 6, e335-e345.	10.0	269
7	Use and Safety of Immunotherapeutic Management of <i>N</i> -Methyl-D-Aspartate Receptor Antibody Encephalitis. <i>JAMA Neurology</i> , 2021, 78, 1333.	9.0	91
8	Early detection of COVID-19 in the UK using self-reported symptoms: a large-scale, prospective, epidemiological surveillance study. <i>The Lancet Digital Health</i> , 2021, 3, e587-e598.	12.3	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. <i>The Lancet Digital Health</i> , 2021, 3, e577-e586.	12.3	51
10	Past and future of near-infrared spectroscopy in studies of emotion and social neuroscience. <i>Journal of Cognitive Psychology</i> , 2016, 28, 129-146.	0.9	50
11	Anxiety and depression symptoms after COVID-19 infection: results from the COVID Symptom Study app. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021, 92, 1254-1258.	1.9	44
12	Load-dependent brain activation assessed by time-domain functional near-infrared spectroscopy during a working memory task with graded levels of difficulty. <i>Journal of Biomedical Optics</i> , 2012, 17, 056005.	2.6	42
13	Diverse functions of myosin VI elucidated by an isoform-specific $\hat{\pm}$ -helix domain. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 300-308.	8.2	42
14	Deep and surface hemodynamic signal from functional time resolved transcranial near infrared spectroscopy compared to skin flowmotion. <i>Computers in Biology and Medicine</i> , 2012, 42, 282-289.	7.0	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. <i>Scientific Reports</i> , 2022, 12, .	3.3	39
16	Investigation of negative BOLD responses in human brain through NIRS technique. A visual stimulation study. <i>NeuroImage</i> , 2015, 108, 410-422.	4.2	37
17	Key role of SMN/SYNERIP and RNA-Motif 7 in spinal muscular atrophy: RNA-Seq and motif analysis of human motor neurons. <i>Brain</i> , 2019, 142, 276-294.	7.6	31
18	Hemodynamic and EEG Time-Courses During Unilateral Hand Movement in Patients with Cortical Myoclonus. An EEG-fMRI and EEG-TD-fNIRS Study. <i>Brain Topography</i> , 2015, 28, 915-925.	1.8	30

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19	Illness Characteristics of COVID-19 in Children Infected with the SARS-CoV-2 Delta Variant. <i>Children</i> , 2022, 9, 652.	1.5	28
20	Polysomnographic Sleep Patterns in Children and Adolescents in Unresponsive Wakefulness Syndrome. <i>Journal of Head Trauma Rehabilitation</i> , 2015, 30, 334-346.	1.7	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. <i>Brain Injury</i> , 2015, 29, 955-962.	1.2	23
22	Movement analysis and EEG recordings in children with hemiplegic cerebral palsy. <i>Experimental Brain Research</i> , 2012, 223, 517-524.	1.5	22
23	Symptoms and syndromes associated with SARS-CoV-2 infection and severity in pregnant women from two community cohorts. <i>Scientific Reports</i> , 2021, 11, 6928.	3.3	22
24	The Utility of a Computerized Algorithm Based on a Multi-Domain Profile of Measures for the Diagnosis of Attention Deficit/Hyperactivity Disorder. <i>Frontiers in Psychiatry</i> , 2017, 8, 189.	2.6	21
25	Optimal symptom combinations to aid COVID-19 case identification: Analysis from a community-based, prospective, observational cohort. <i>Journal of Infection</i> , 2021, 82, 384-390.	3.3	21
26	Analysis of the dynamical behaviour of the EEG rhythms during a test of sustained attention. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1298-301.	0.5	20
27	Effect of prolonged stimulation on cerebral hemodynamic: A time-resolved fNIRS study. <i>Medical Physics</i> , 2009, 36, 4103-4114.	3.0	20
28	Accessible data curation and analytics for international-scale citizen science datasets. <i>Scientific Data</i> , 2021, 8, 297.	5.3	18
29	Towards a Biomarker of Motor Adaptation: Integration of Kinematic and Neural Factors. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2012, 20, 258-267.	4.9	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. <i>Lancet Regional Health - Europe</i> , The, 2022, 19, 100429.	5.6	15
31	Activation of the prefrontal cortex during a visual <i>n</i> -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. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 199-206.	2.1	13
34	Combined Behavioral and EEG Power Analysis in DAI Improve Accuracy in the Assessment of Sustained Attention Deficit. <i>Annals of Biomedical Engineering</i> , 2008, 36, 1216-1227.	2.5	12
35	Robotically-driven orthoses exert proximal-to-distal differential recovery on the lower limbs in children with hemiplegia, early after acquired brain injury. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 652-661.	1.6	12
36	Fronto-temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. <i>European Journal of Neurology</i> , 2019, 26, 1183-1190.	3.3	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. <i>Brain Sciences</i> , 2020, 10, 162.	2.3	12
38	Altered Recruitment of the Attention Network Is Associated with Disability and Cognitive Impairment in Pediatric Patients with Acquired Brain Injury. <i>Neural Plasticity</i> , 2015, 2015, 1-13.	2.2	11
39	LOCFA“Assessed Evolution of Cognitive and Behavioral Functioning in a Sample of Pediatric Patients With Severe Acquired Brain Injury in the Postacute Phase. <i>Journal of Child Neurology</i> , 2015, 30, 1125-1134.	1.4	11
40	Knowledge barriers in a national symptomatic-COVID-19 testing programme. <i>PLOS Global Public Health</i> , 2022, 2, e0000028.	1.6	11
41	From neurovascular coupling to neurovascular cascade: a study on neural, autonomic and vascular transients in attention. <i>Physiological Measurement</i> , 2012, 33, 1379-1397.	2.1	10
42	Individualized Prognostic Prediction of the Long-Term Functional Trajectory in Pediatric Acquired Brain Injury. <i>Journal of Personalized Medicine</i> , 2021, 11, 675.	2.5	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. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 1131-1141.	2.6	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. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1477-1481.	2.6	9
46	White matter analysis of the extremely preterm born adult brain. <i>NeuroImage</i> , 2021, 237, 118112.	4.2	9
47	Emerging Treatments for Disorders of Consciousness in Paediatric Age. <i>Brain Sciences</i> , 2022, 12, 198.	2.3	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?. <i>Developmental Neurorehabilitation</i> , 2018, 21, 449-456.	1.1	8
50	International survey on diagnostic and prognostic procedures in pediatric disorders of consciousness. <i>Brain Injury</i> , 2019, 33, 517-528.	1.2	8
51	Assessing the impact of the pandemic in children and adolescents: SARS-CoV-2 infection and beyond. <i>The Lancet Child and Adolescent Health</i> , 2022, 6, 216-217.	5.6	8
52	Disentangling post-vaccination symptoms from early COVID-19. <i>EClinicalMedicine</i> , 2021, 42, 101212.	7.1	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.	5.6	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.	1.1	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.	2.3	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.	0.8	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.	0.8	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