

Lorenzo Fabrizi

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,988
citations

331670

21
h-index

254184

43
g-index

57
all docs

57
docs citations

57
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Oral sucrose as an analgesic drug for procedural pain in newborn infants: a randomised controlled trial. <i>Lancet, The</i> , 2010, 376, 1225-1232.	13.7	304
2	A Shift in Sensory Processing that Enables the Developing Human Brain to Discriminate Touch from Pain. <i>Current Biology</i> , 2011, 21, 1552-1558.	3.9	229
3	Premature infants display increased noxious-evoked neuronal activity in the brain compared to healthy age-matched term-born infants. <i>NeuroImage</i> , 2010, 52, 583-589.	4.2	170
4	Evoked potentials generated by noxious stimulation in the human infant brain. <i>European Journal of Pain</i> , 2010, 14, 321-326.	2.8	147
5	Use of anisotropic modelling in electrical impedance tomography; Description of method and preliminary assessment of utility in imaging brain function in the adult human head. <i>NeuroImage</i> , 2008, 43, 258-268.	4.2	105
6	The development of the nociceptive brain. <i>Neuroscience</i> , 2016, 338, 207-219.	2.3	75
7	Multi-modal pain measurements in infants. <i>Journal of Neuroscience Methods</i> , 2012, 205, 252-257.	2.5	70
8	Localization of spontaneous bursting neuronal activity in the preterm human brain with simultaneous EEG-fMRI. <i>ELife</i> , 2017, 6, .	6.0	68
9	Factors limiting the application of electrical impedance tomography for identification of regional conductivity changes using scalp electrodes during epileptic seizures in humans. <i>Physiological Measurement</i> , 2006, 27, S163-S174.	2.1	67
10	Postnatal Temporal, Spatial and Modality Tuning of Nociceptive Cutaneous Flexion Reflexes in Human Infants. <i>PLoS ONE</i> , 2013, 8, e76470.	2.5	66
11	Nociceptive Cortical Activity Is Dissociated from Nociceptive Behavior in Newborn Human Infants under Stress. <i>Current Biology</i> , 2017, 27, 3846-3851.e3.	3.9	62
12	Characteristics and clinical significance of delta brushes in the EEG of premature infants. <i>Clinical Neurophysiology Practice</i> , 2017, 2, 12-18.	1.4	58
13	Functional magnetic resonance imaging can be used to explore tactile and nociceptive processing in the infant brain. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, 158-166.	1.5	54
14	Mapping Cortical Responses to Somatosensory Stimuli in Human Infants with Simultaneous Near-Infrared Spectroscopy and Event-Related Potential Recording. <i>ENeuro</i> , 2016, 3, ENEURO.0026-16.2016.	1.9	51
15	The distribution of pain activity across the human neonatal brain is sex dependent. <i>NeuroImage</i> , 2018, 178, 69-77.	4.2	36
16	Cortical activity evoked by inoculation needle prick in infants up to one-year old. <i>Pain</i> , 2015, 156, 222-230.	4.2	34
17	Encoding of mechanical nociception differs in the adult and infant brain. <i>Scientific Reports</i> , 2016, 6, 28642.	3.3	30
18	An electrode addressing protocol for imaging brain function with electrical impedance tomography using a 16-channel semi-parallel system. <i>Physiological Measurement</i> , 2009, 30, S85-S101.	2.1	28

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19	Quantification of neonatal procedural pain severity: a platform for estimating total pain burden in individual infants. <i>Pain</i> , 2020, 161, 1270-1277.	4.2	28
20	The Development of Nociceptive Network Activity in the Somatosensory Cortex of Freely Moving Rat Pups. <i>Cerebral Cortex</i> , 2016, 26, 4513-4523.	2.9	27
21	The Emergence of Hierarchical Somatosensory Processing in Late Prematurity. <i>Cerebral Cortex</i> , 2019, 29, 2245-2260.	2.9	27
22	A comparison of two EIT systems suitable for imaging impedance changes in epilepsy. <i>Physiological Measurement</i> , 2009, 30, S103-S120.	2.1	25
23	Developmental trajectory of movement-related cortical oscillations during active sleep in a cross-sectional cohort of pre-term and full-term human infants. <i>Scientific Reports</i> , 2018, 8, 17516.	3.3	22
24	Sleep-wake regulation in preterm and term infants. <i>Sleep</i> , 2021, 44, .	1.1	20
25	Analysis of resting noise characteristics of three EIT systems in order to compare suitability for time difference imaging with scalp electrodes during epileptic seizures. <i>Physiological Measurement</i> , 2007, 28, S217-S236.	2.1	19
26	The impact of parental contact upon cortical noxious-related activity in human neonates. <i>European Journal of Pain</i> , 2021, 25, 149-159.	2.8	19
27	Cortical activity evoked by an acute painful tissue-damaging stimulus in healthy adult volunteers. <i>Journal of Neurophysiology</i> , 2013, 109, 2393-2403.	1.8	18
28	EEG, behavioural and physiological recordings following a painful procedure in human neonates. <i>Scientific Data</i> , 2018, 5, 180248.	5.3	18
29	Emergence of mature cortical activity in wakefulness and sleep in healthy preterm and full-term infants. <i>Sleep</i> , 2018, 41, .	1.1	14
30	A method for removing artefacts from continuous EEG recordings during functional electrical impedance tomography for the detection of epileptic seizures. <i>Physiological Measurement</i> , 2010, 31, S57-S72.	2.1	11
31	Altered cortical processing of somatosensory input in pre-term infants who had high-grade germinal matrix-intraventricular haemorrhage. <i>NeuroImage: Clinical</i> , 2020, 25, 102095.	2.7	9
32	Electrophysiological Measurements and Analysis of Nociception in Human Infants. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	8
33	A novel sensor design for accurate measurement of facial somatosensation in pre-term infants. <i>PLoS ONE</i> , 2018, 13, e0207145.	2.5	8
34	Construction and validation of a database of head models for functional imaging of the neonatal brain. <i>Human Brain Mapping</i> , 2021, 42, 567-586.	3.6	8
35	Widespread nociceptive maps in the human neonatal somatosensory cortex. <i>ELife</i> , 2022, 11, .	6.0	8
36	Distinct Age-Dependent C Fiber-Driven Oscillatory Activity in the Rat Somatosensory Cortex. <i>ENeuro</i> , 2020, 7, ENEURO.0036-20.2020.	1.9	7

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37	A Simple fMRI Compatible Robotic Stimulator to Study the Neural Mechanisms of Touch and Pain. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2431-2441.	2.5	5
38	Exploring the relationship of pain and development in the neonatal intensive care unit. <i>Pain</i> , 2012, 153, 1340-1341.	4.2	4
39	Full 10-20 EEG application in hospitalised neonates is not associated with an increase in stress hormone levels. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 20-21.	1.4	4
40	Fronto-central slow cortical activity is attenuated during phasic events in rapid eye movement sleep at full-term birth. <i>Early Human Development</i> , 2019, 136, 45-48.	1.8	4
41	Event-related potentials following contraction of respiratory muscles in pre-term and full-term infants. <i>Clinical Neurophysiology</i> , 2019, 130, 2216-2221.	1.5	4
42	T152. Somatosensory evoked delta brush activity in very pre-term infants. <i>Clinical Neurophysiology</i> , 2018, 129, e60-e61.	1.5	3
43	A feasibility study for imaging of epileptic seizures by EIT using a realistic FEM of the head. , 2007, , 3874-3877.		3
44	Evaluation of the performance of the Multifrequency Electrical Impedance Tomography (MFEIT) intended for imaging acute stroke. , 2007, , 543-547.		3
45	Analysis of resting noise characteristics of three EIT systems in order to compare suitability for time difference imaging with scalp electrodes during epilepsy. , 2007, , 568-571.		3
46	Long-range temporal organisation of limb movement kinematics in human neonates. <i>Clinical Neurophysiology Practice</i> , 2020, 5, 194-198.	1.4	2
47	Examining the Effects of Sucrose on Infant Physiology. <i>Pediatric Research</i> , 2011, 70, 50-50.	2.3	1
48	F83. Full 10-20 EEG application in hospitalised infants is not associated with an increase in stress hormone levels. <i>Clinical Neurophysiology</i> , 2018, 129, e98.	1.5	0
49	P006-Modelling sleep-wake transitions in very and moderately pre-term infants. , 2019, , .		0