Caroline Hartley

List of Publications by Year
in descending order

39 papers	1,088 citations	471509 17 h-index	434195 31 g-index
48 all docs	48 docs citations	48 times ranked	1019 citing authors

#	Article	IF	Citations
1	Premature infants display discriminable behavioral, physiological, and brain responses to noxious and nonnoxious stimuli. Cerebral Cortex, 2022, 32, 3799-3815.	2.9	8
2	Early life inflammation is associated with spinal cord excitability and nociceptive sensitivity in human infants. Nature Communications, 2022, 13, .	12.8	4
3	Predicting severity of adverse cardiorespiratory effects of morphine in premature infants: a post hoc analysis of Procedural Pain in Premature Infants trial data. British Journal of Anaesthesia, 2021, 126, e133-e135.	3.4	10
4	Quantifying noxious-evoked baseline sensitivity in neonates to optimise analgesic trials. ELife, 2021, 10, .	6.0	15
5	Using changes in brain activity to assess pain-relief in infants: Methodological considerations with Benoit et al. (2021). Early Human Development, 2021, 157, 105361.	1.8	4
6	Apnoea of Prematurity and Neurodevelopmental Outcomes: Current Understanding and Future Prospects for Research. Frontiers in Pediatrics, 2021, 9, 755677.	1.9	10
7	Online options for future conferences will have an important positive impact for Early Career Researchers in pediatric pain. Paediatric and Neonatal Pain, 2021, 3, 9-11.	1.7	2
8	Toward personalized medicine for pharmacological interventions in neonates using vital signs. Paediatric and Neonatal Pain, 2021, 3, 147-155.	1.7	3
9	New method to measure interbreath intervals in infants for the assessment of apnoea and respiration. BMJ Open Respiratory Research, 2021, 8, e001042.	3.0	6
10	Temporal ordering of input modulates connectivity formation in a developmental neuronal network model of the cortex. PLoS ONE, 2020, 15, e0226772.	2.5	7
11	Caffeine in preterm infants: where are we in 2020?. ERJ Open Research, 2020, 6, 00330-2019.	2.6	56
12	Title is missing!. , 2020, 15, e0226772.		0
13	Title is missing!. , 2020, 15, e0226772.		0
14	Title is missing!. , 2020, 15, e0226772.		0
15	Behavioural discrimination of noxious stimuli in infants is dependent on brain maturation. Pain, 2019, 160, 493-500.	4.2	33
16	A tool for functional brain imaging with lifespan compliance. Nature Communications, 2019, 10, 4785.	12.8	96
17	Nociception and the neonatal brain. Seminars in Fetal and Neonatal Medicine, 2019, 24, 101016.	2.3	24
18	Birth experience in newborn infants is associated with changes in nociceptive sensitivity. Scientific Reports, 2019, 9, 4117.	3.3	21

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19	Multimodal pain assessment improves discrimination between noxious and nonâ€noxious stimuli in infants. Paediatric and Neonatal Pain, 2019, 1, 21-30.	1.7	19
20	A universal right to pain relief: balancing the risks in a vulnerable patient population. The Lancet Child and Adolescent Health, 2019, 3, 62-64.	5.6	10
21	Oral morphine analgesia for preventing pain during invasive procedures in non-ventilated premature infants in hospital: the Poppi RCT. Efficacy and Mechanism Evaluation, 2019, 6, 1-98.	0.7	8
22	Stroking modulates noxious-evoked brain activity in human infants. Current Biology, 2018, 28, R1380-R1381.	3.9	67
23	Analgesic efficacy and safety of morphine in the Procedural Pain in Premature Infants (Poppi) study: randomised placebo-controlled trial. Lancet, The, 2018, 392, 2595-2605.	13.7	81
24	The influence of the descending pain modulatory system on infant pain-related brain activity. ELife, 2018, 7, .	6.0	46
25	Nociceptive brain activity as a measure of analgesic efficacy in infants. Science Translational Medicine, 2017, 9, .	12.4	74
26	Neuroimaging of Paediatric Pain. , 2017, , 485-506.		0
27	Improving the treatment of infant pain. Current Opinion in Supportive and Palliative Care, 2017, 11, 112-117.	1.3	36
28	Optimal echo time for functional MRI of the infant brain identified in response to noxious stimulation. Magnetic Resonance in Medicine, 2017, 78, 625-631.	3.0	19
29	Changing Balance of Spinal Cord Excitability and Nociceptive Brain Activity in Early Human Development. Current Biology, 2016, 26, 1998-2002.	3.9	34
30	Electroencephalography during general anaesthesia differs between term-born and premature-born children. Clinical Neurophysiology, 2016, 127, 1216-1222.	1.5	20
31	A blinded randomised placebo-controlled trial investigating the efficacy of morphine analgesia for procedural pain in infants: Trial protocol. Wellcome Open Research, 2016, 1, 7.	1.8	9
32	The relationship between nociceptive brain activity, spinal reflex withdrawal and behaviour in newborn infants. Scientific Reports, 2015, 5, 12519.	3.3	55
33	fMRI reveals neural activity overlap between adult and infant pain. ELife, 2015, 4, .	6.0	161
34	Neurophysiological measures of nociceptive brain activity in the newborn infant â€“ the next steps. Acta Paediatrica, International Journal of Paediatrics, 2014, 103, 238-242.	1.5	43
35	Identification of Criticality in Neuronal Avalanches: II. A Theoretical and Empirical Investigation of the Driven Case. Journal of Mathematical Neuroscience, 2014, 4, 9.	2.4	12
36	Noxious stimulation in children receiving general anaesthesia evokes an increase in delta frequency brain activity. Pain, 2014, 155, 2368-2376.	4.2	19

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37	Identification of Criticality in Neuronal Avalanches: I. A Theoretical Investigation of the Non-driven Case. Journal of Mathematical Neuroscience, 2013, 3, 5.	2.4	22
38	Long-Range Temporal Correlations in the EEG Bursts of Human Preterm Babies. PLoS ONE, 2012, 7, e31543.	2.5	26
39	A blinded randomised placebo-controlled trial investigating the efficacy of morphine analgesia for procedural pain in infants: Trial protocol. Wellcome Open Research, 0, 1, 7.	1.8	8