

# Matteo Bruschetti

## List of Publications by Citations

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101  
papers

1,882  
citations

24  
h-index

39  
g-index

117  
ext. papers

2,247  
ext. citations

4.5  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
101	Prenatal restraint stress and long-term affective consequences. <i>Developmental Neuroscience</i> , <b>2005</b> , 27, 313-20	2.2	93
100	Vulnerability versus resilience to prenatal stress in male and female rats; implications from gene expression profiles in the hippocampus and frontal cortex. <i>European Neuropsychopharmacology</i> , <b>2013</b> , 23, 1226-46	1.2	85
99	Pediatric concentrations of S100B protein in blood: age- and sex-related changes. <i>Clinical Chemistry</i> , <b>2003</b> , 49, 967-70	5.5	82
98	Urinary S100B protein measurements: A tool for the early identification of hypoxic-ischemic encephalopathy in asphyxiated full-term infants. <i>Critical Care Medicine</i> , <b>2004</b> , 32, 131-6	1.4	79
97	Antibiotics for the management of transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2017</b> ,	5.2	78
96	Clonidine for neonates receiving mechanical ventilation <b>2016</b> ,		78
95	Non-invasive respiratory support for the management of transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2018</b> ,	5.2	78
94	Increased Urinary S100B Protein as an Early Indicator of Intraventricular Hemorrhage in Preterm Infants: Correlation with the Grade of Hemorrhage. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 1836-1838	5.5	74
93	Measurement of urinary S100B protein concentrations for the early identification of brain damage in asphyxiated full-term infants. <i>JAMA Pediatrics</i> , <b>2003</b> , 157, 1163-8		69
92	Assessing imprecision in Cochrane systematic reviews: a comparison of GRADE and Trial Sequential Analysis. <i>Systematic Reviews</i> , <b>2018</b> , 7, 110	3	60
91	Urinary S100B protein concentrations are increased in intrauterine growth-retarded newborns. <i>Pediatrics</i> , <b>2006</b> , 118, e747-54	7.4	46
90	S100B Protein Concentrations in Urine Are Correlated with Gestational Age in Healthy Preterm and Term Newborns. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 1132-1133	5.5	45
89	Cerebrospinal fluid activin a measurement in asphyxiated full-term newborns predicts hypoxic ischemic encephalopathy. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 2386-9	5.5	43
88	Exosomes from human mesenchymal stem cells conduct aerobic metabolism in term and preterm newborn infants. <i>FASEB Journal</i> , <b>2016</b> , 30, 1416-24	0.9	42
87	S100B protein in urine of preterm newborns with ominous outcome. <i>Pediatric Research</i> , <b>2005</b> , 58, 1170-4	5.2	41
86	Amniotic fluid S100B protein in mid-gestation and intrauterine fetal death. <i>Lancet, The</i> , <b>2004</b> , 364, 270-2	4.0	41
85	High maternal blood S100B concentrations in pregnancies complicated by intrauterine growth restriction and intraventricular hemorrhage. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 819-26	5.5	38

84	High Presence of Extracellular Hemoglobin in the Periventricular White Matter Following Preterm Intraventricular Hemorrhage. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 330	4.6	37
83	S100B Protein Concentrations in Amniotic Fluid Correlate with Gestational Age and with Cerebral Ultrasound Scanning Results in Healthy Fetuses. <i>Clinical Chemistry</i> , <b>2001</b> , 47, 954-956	5.5	36
82	S100B protein levels in saliva: correlation with gestational age in normal term and preterm newborns. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 229-33	3.5	35
81	Maternal glucocorticoid supplementation and S100B protein concentrations in cord blood and urine of preterm infants. <i>Clinical Chemistry</i> , <b>2003</b> , 49, 1215-8	5.5	28
80	Increased S100B in cerebrospinal fluid of infants with bacterial meningitis: relationship to brain damage and routine cerebrospinal fluid findings. <i>Clinical Chemistry</i> , <b>2004</b> , 50, 941-4	5.5	28
79	Reference values for urinary neutrophil gelatinase-associated lipocalin (NGAL) in pediatric age measured with a fully automated chemiluminescent platform. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2013</b> , 51, 1101-5	5.9	25
78	Systemic endotoxin administration results in increased S100B protein blood levels and periventricular brain white matter injury in the preterm fetal sheep. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2006</b> , 124, 15-22	2.4	25
77	Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?. <i>Translational Stroke Research</i> , <b>2017</b> , 8, 461	7.8	24
76	Human milk contains S100B protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2003</b> , 1619, 209-124		24
75	Maternal Nitric Oxide Supplementation Decreases Cord Blood S100B in Intrauterine Growth-retarded Fetuses. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 647-650	5.5	23
74	Oral and sublingual immunotherapy for egg allergy. <i>The Cochrane Library</i> , <b>2014</b> , CD010638	5.2	20
73	Prenatal stress reduces S100B in the neonatal rat hippocampus. <i>NeuroReport</i> , <b>2006</b> , 17, 1077-80	1.7	20
72	Levels of S100B protein are higher in mature human milk than in colostrum and milk-formulae milks. <i>Clinical Nutrition</i> , <b>2004</b> , 23, 23-6	5.9	20
71	High-versus low-dose caffeine in preterm infants: a systematic review and meta-analysis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2019</b> , 108, 401-410	3.1	20
70	Preterm Cord Blood Contains a Higher Proportion of Immature Hematopoietic Progenitors Compared to Term Samples. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138680	3.7	18
69	Amniotic fluid levels of S100B protein in normal and trisomy-21 fetuses. <i>Clinica Chimica Acta</i> , <b>2003</b> , 330, 131-3	6.2	18
68	Lowering the dose of antenatal steroids: the effects of a single course of betamethasone on somatic growth and brain cell proliferation in the rat. <i>American Journal of Obstetrics and Gynecology</i> , <b>2006</b> , 194, 1341-6	6.4	16
67	Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular hemorrhage in preterm infants. <i>The Cochrane Library</i> , <b>2017</b> , 7, CD012362	5.2	15

66	Saliva S100B in professional sportsmen: High levels at resting conditions and increased after vigorous physical activity. <i>Clinical Biochemistry</i> , <b>2011</b> , 44, 245-7	3.5	15
65	A single course of antenatal betamethasone reduces neurotrophic factor S100B concentration in the hippocampus and serum in the neonatal rat. <i>Developmental Brain Research</i> , <b>2005</b> , 159, 113-8		15
64	The use and reporting of neonatal pain scales: a systematic review of randomized trials. <i>Pain</i> , <b>2021</b> , 162, 353-360	8	15
63	DBS-LC-MS/MS assay for caffeine: validation and neonatal application. <i>Bioanalysis</i> , <b>2016</b> , 8, 1893-902	2.1	14
62	Non protein bound iron concentrations in amniotic fluid. <i>Clinical Biochemistry</i> , <b>2005</b> , 38, 674-7	3.5	14
61	S100B protein cord blood levels and development of fetal behavioral states: a study in normal and small-for-dates fetuses. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2002</b> , 11, 378-84	2	14
60	Epinephrine for transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2016</b> , CD011877	5.2	13
59	A validated LC-MS/MS method for the quantification of piperacillin/tazobactam on dried blood spot. <i>Bioanalysis</i> , <b>2014</b> , 6, 2795-802	2.1	13
58	Salbutamol for transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2016</b> , CD011878	5.2	13
57	Clonidine for sedation and analgesia for neonates receiving mechanical ventilation. <i>The Cochrane Library</i> , <b>2017</b> , 5, CD012468	5.2	12
56	S100B protein concentrations in amniotic fluid are higher in monoamniotic than in diamniotic twins and singleton pregnancies. <i>Clinical Chemistry</i> , <b>2003</b> , 49, 997-9	5.5	12
55	Transcutaneous carbon dioxide monitoring for the prevention of neonatal morbidity and mortality. <i>The Cochrane Library</i> , <b>2016</b> , 2, CD011494	5.2	12
54	Cognition- and anxiety-related behavior, synaptophysin and MAP2 immunoreactivity in the adult rat treated with a single course of antenatal betamethasone. <i>Pediatric Research</i> , <b>2006</b> , 60, 50-4	3.2	11
53	Antenatal corticosteroids: a retrospective cohort study on timing, indications and neonatal outcome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , <b>2018</b> , 97, 591-597	3.8	10
52	Heparin for the treatment of thrombosis in neonates. <i>The Cochrane Library</i> , <b>2016</b> , 11, CD012185	5.2	10
51	Intraventricular Hemorrhage and White Matter Injury in Preclinical and Clinical Studies. <i>NeoReviews</i> , <b>2019</b> , 20, e636-e652	1.1	10
50	Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes. <i>The Cochrane Library</i> , <b>2017</b> , 7, CD004953	5.2	10
49	Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes. <i>Cochrane Database of Systematic Reviews</i> , <b>2015</b> , CD004953		10

48	Why do premature newborn infants display elevated blood adenosine levels?. <i>Medical Hypotheses</i> , <b>2016</b> , 90, 53-6	3.8	9
47	Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants. <i>The Cochrane Library</i> , <b>2020</b> , 8, CD013202	5.2	9
46	Needle aspiration versus intercostal tube drainage for pneumothorax in the newborn. <i>The Cochrane Library</i> , <b>2016</b> , CD011724	5.2	9
45	Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes. <i>The Cochrane Library</i> , <b>2020</b> , 3, CD004953	5.2	8
44	Frequency of endotracheal suctioning for the prevention of respiratory morbidity in ventilated newborns. <i>The Cochrane Library</i> , <b>2016</b> , 3, CD011493	5.2	7
43	Fluid restriction in the management of transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2021</b> , 2, CD011466	5.2	7
42	Non-invasive respiratory support for the management of transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2020</b> , 4, CD013231	5.2	6
41	Confounding biases in studies on early- versus late-caffeine in preterm infants: a systematic review. <i>Pediatric Research</i> , <b>2020</b> , 88, 357-364	3.2	5
40	Opioids for newborn infants receiving mechanical ventilation. <i>The Cochrane Library</i> , <b>2021</b> , 3, CD013732	5.2	5
39	Heparin for the prevention of intraventricular haemorrhage in preterm infants. <i>The Cochrane Library</i> , <b>2016</b> , CD011718	5.2	5
38	Stem cell-based interventions for the prevention and treatment of germinal matrix-intraventricular haemorrhage in preterm infants. <i>The Cochrane Library</i> , <b>2019</b> , 9, CD013201	5.2	5
37	Clonidine for pain in non-ventilated infants. <i>The Cochrane Library</i> , <b>2020</b> , 4, CD013104	5.2	4
36	Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants. <i>The Cochrane Library</i> , <b>2020</b> , 12, CD013309	5.2	4
35	Opioids and alpha-2-agonists for analgesia and sedation in newborn infants: protocol of a systematic review. <i>Systematic Reviews</i> , <b>2020</b> , 9, 183	3	4
34	Antithrombin for the prevention of intraventricular hemorrhage in very preterm infants. <i>The Cochrane Library</i> , <b>2016</b> , 3, CD011636	5.2	4
33	Heparin for the treatment of thrombosis in preterm and term neonates <b>2016</b> ,		4
32	Needle aspiration versus intercostal tube drainage for pneumothorax in the newborn. <i>The Cochrane Library</i> , <b>2019</b> , 2, CD011724	5.2	3
31	Accuracy of continuous glucose monitoring in preterm infants: a systematic review and meta-analysis. <i>BMJ Open</i> , <b>2020</b> , 10, e045335	3	3

30	Long-term neurological effects of neonatal caffeine treatment in a rabbit model of preterm birth. <i>Pediatric Research</i> , <b>2020</b> , 87, 1011-1018	3.2	3
29	Interventions to minimize blood loss in very preterm infants-A systematic review and meta-analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0246353	3.7	3
28	Behavioral testing and litter effects in the rabbit. <i>Behavioural Brain Research</i> , <b>2018</b> , 353, 236-241	3.4	2
27	Pharmacological pain and sedation interventions for the prevention of intraventricular hemorrhage in preterm infants on assisted ventilation - an overview of systematic reviews. <i>The Cochrane Library</i> , <b>2017</b> ,	5.2	2
26	Cardiopulmonary bypass in the newborn: effects of circulatory cell-free hemoglobin and hyperoxia evaluated in a novel rat pup model. <i>Intensive Care Medicine Experimental</i> , <b>2017</b> , 5, 45	3.7	2
25	Salbutamol for transient tachypnea of the newborn <b>2015</b> ,		2
24	Antileukotrienes for the prevention and treatment of chronic lung disease in very preterm newborns: a systematic review. <i>Respiratory Research</i> , <b>2021</b> , 22, 208	7.3	2
23	White Matter Brain Development after Exposure to Circulating Cell-Free Hemoglobin and Hyperoxia in a Rat Pup Model. <i>Developmental Neuroscience</i> , <b>2019</b> , 41, 234-246	2.2	2
22	Caffeine dosing regimens in preterm infants with or at risk for apnea of prematurity. <i>The Cochrane Library</i> ,	5.2	2
21	Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants. <i>The Cochrane Library</i> , <b>2018</b> ,	5.2	2
20	Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular hemorrhage in preterm infants <b>2016</b> ,		1
19	Heparin for the prevention of intraventricular hemorrhage in very preterm infants <b>2015</b> ,		1
18	Antithrombin for the prevention of intraventricular hemorrhage in very preterm infants <b>2015</b> ,		1
17	Cuffed versus uncuffed endotracheal tubes for neonates.. <i>The Cochrane Library</i> , <b>2022</b> , 1, CD013736	5.2	1
16	A LC-MS/MS method for the quantification of caffeine, betamethasone, clonidine and furosemide in cerebrospinal fluid of preterm infants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 179, 112996	3.5	1
15	Pharmacological treatment for continuous spike-wave during slow wave sleep syndrome and Landau-Kleffner Syndrome. <i>The Cochrane Library</i> , <b>2020</b> , 11, CD013132	5.2	1
14	Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants. <i>The Cochrane Library</i> , <b>2019</b> ,	5.2	1
13	Postnatal corticosteroids for transient tachypnoea of the newborn. <i>The Cochrane Library</i> , <b>2020</b> , 3, CD013222	3.2	1

12	Addressing harms of screening - A review of outcomes in Cochrane reviews and suggestions for next steps. <i>Journal of Clinical Epidemiology</i> , <b>2021</b> , 129, 68-73	5.7	1
11	Salbutamol for transient tachypnea of the newborn. <i>The Cochrane Library</i> , <b>2021</b> , 2, CD011878	5.2	1
10	Clonidine for painful procedures or conditions in infants. <i>The Cochrane Library</i> , <b>2018</b> ,	5.2	1
9	Pharmacological treatment for Continuous spike-wave during Slow Wave Sleep and Landau-Kleffner Syndrome. <i>The Cochrane Library</i> , <b>2018</b> ,	5.2	1
8	High versus low dose caffeine in preterm infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2019</b> , 108, 572	3.1	1
7	Workplace interventions to reduce the risk of SARS-CoV-2 infection outside of healthcare settings. <i>The Cochrane Library</i> , <b>2021</b> , 2021,	5.2	1
6	Interventions for the management of transient tachypnoea of the newborn - an overview of systematic reviews.. <i>The Cochrane Library</i> , <b>2022</b> , 2, CD013563	5.2	1
5	Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular haemorrhage in preterm infants. <i>The Cochrane Library</i> , <b>2020</b> , 7, CD012362	5.2	0
4	Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants.. <i>The Cochrane Library</i> , <b>2021</b> , 12, CD013309	5.2	0
3	Workplace interventions to reduce the risk of SARS-CoV-2 infection outside of healthcare settings.. <i>The Cochrane Library</i> , <b>2022</b> , 5, CD015112	5.2	0
2	92 Increased S100B Urinary Measurements at Birth May Predict Neonatal Death in Preterm Newborns. <i>Pediatric Research</i> , <b>2004</b> , 56, 479-479	3.2	
1	Development and Validation of a Mortality Prediction Model in Extremely Low Gestational Age Neonates. <i>Neonatology</i> ,1-10	4	