

Luca Filippi

List of Publications by Year in descending order

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112
papers

3,233
citations

117625

34
h-index

189892

50
g-index

112
all docs

112
docs citations

112
times ranked

3324
citing authors

#	ARTICLE	IF	CITATIONS
1	The pathophysiology of retinopathy of prematurity: an update of previous and recent knowledge. <i>Acta Ophthalmologica</i> , 2014, 92, 2-20.	1.1	146
2	Role of the Adrenergic System in a Mouse Model of Oxygen-Induced Retinopathy: Antiangiogenic Effects of β -Adrenoreceptor Blockade. , 2011, 52, 155.		141
3	Fluconazole Prophylaxis Prevents Invasive Fungal Infection in High-risk, Very Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2005, 147, 162-165.	1.8	122
4	Rapid assay of topiramate in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1392-1396.	2.8	87
5	Biochemical evaluation of a patient with a familial form of leucine-sensitive hypoglycemia and concomitant hyperammonemia. <i>Metabolism: Clinical and Experimental</i> , 1996, 45, 957-960.	3.4	85
6	Antiangiogenic effects of β -adrenergic receptor blockade in a mouse model of oxygen-induced retinopathy. <i>Journal of Neurochemistry</i> , 2011, 119, 1317-1329.	3.9	85
7	Norepinephrine promotes tumor microenvironment reactivity through β -adrenoreceptors during melanoma progression. <i>Oncotarget</i> , 2015, 6, 4615-4632.	1.8	82
8	Oral Propranolol for Retinopathy of Prematurity: Risks, Safety Concerns, and Perspectives. <i>Journal of Pediatrics</i> , 2013, 163, 1570-1577.e6.	1.8	80
9	Phenobarbital for neonatal seizures in hypoxic ischemic encephalopathy: A pharmacokinetic study during whole body hypothermia. <i>Epilepsia</i> , 2011, 52, 794-801.	5.1	79
10	Functional involvement of β -adrenergic receptors in melanoma growth and vascularization. <i>Journal of Molecular Medicine</i> , 2013, 91, 1407-1419.	3.9	78
11	Topiramate concentrations in neonates treated with prolonged whole body hypothermia for hypoxic ischemic encephalopathy. <i>Epilepsia</i> , 2009, 50, 2355-2361.	5.1	75
12	Oral Topiramate in Neonates with Hypoxic Ischemic Encephalopathy Treated with Hypothermia: A Safety Study. <i>Journal of Pediatrics</i> , 2010, 157, 361-366.	1.8	64
13	The β -adrenergic system as a possible new target for pharmacologic treatment of neovascular retinal diseases. <i>Progress in Retinal and Eye Research</i> , 2014, 42, 103-129.	15.5	64
14	Dopamine versus dobutamine in very low birthweight infants: endocrine effects. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2007, 92, F367-F371.	2.8	60
15	<i>N</i>-Carbamylglutamate in Emergency Management of Hyperammonemia in Neonatal Acute Onset Propionic and Methylmalonic Aciduria. <i>Neonatology</i> , 2010, 97, 286-290.	2.0	60
16	Inhaled nitric oxide in very preterm infants with severe respiratory distress syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2006, 95, 1116-1123.	1.5	55
17	New developments in the treatment of hyperammonemia: emerging use of carglumic acid. <i>International Journal of General Medicine</i> , 2011, 4, 21.	1.8	54
18	Discovery of β -Adrenergic Receptor Blocker-Carbonic Anhydrase Inhibitor Hybrids for Multitargeted Antiglaucoma Therapy. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5380-5394.	6.4	53

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19	A new rapid micromethod for the assay of phenobarbital from dried blood spots by LC-tandem mass spectrometry. <i>Epilepsia</i> , 2009, 50, 2658-2662.	5.1	50
20	Study protocol: safety and efficacy of propranolol in newborns with Retinopathy of Prematurity (PROP-ROP): ISRCTN18523491. <i>BMC Pediatrics</i> , 2010, 10, 83.	1.7	50
21	Safety and efficacy of topiramate in neonates with hypoxic ischemic encephalopathy treated with hypothermia (NeoNATI): a feasibility study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2018, 31, 973-980.	1.5	50
22	Central venous catheters and cardiac tamponade in preterm infants. <i>Intensive Care Medicine</i> , 2004, 30, 2253-2256.	8.2	49
23	Development of an UPLC-MS/MS method for the determination of antibiotic ertapenem on dried blood spots. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 108-113.	2.8	49
24	β_3 -Adrenoceptor as a potential immunosuppressor agent in melanoma. <i>British Journal of Pharmacology</i> , 2019, 176, 2509-2524.	5.4	49
25	Rapid assay of rufinamide in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 54, 192-197.	2.8	48
26	Beta3-adrenergic receptors modulate vascular endothelial growth factor release in response to hypoxia through the nitric oxide pathway in mouse retinal explants. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2013, 386, 269-278.	3.0	46
27	Brain Hemodynamic Effects of Doxapram in Preterm Infants. <i>Neonatology</i> , 2006, 89, 69-74.	2.0	43
28	Eye drop propranolol administration promotes the recovery of oxygen-induced retinopathy in mice. <i>Experimental Eye Research</i> , 2013, 111, 27-35.	2.6	43
29	Beta-Adrenoreceptor Agonism Influences Retinal Responses to Hypoxia in a Model of Retinopathy of Prematurity. , 2012, 53, 2181.		42
30	Fusidic acid and heparin lock solution for the prevention of catheter-related bloodstream infections in critically ill neonates: A retrospective study and a prospective, randomized trial*. <i>Pediatric Critical Care Medicine</i> , 2007, 8, 556-562.	0.5	40
31	Dopamine infusion and hypothyroxinaemia in very low birth weight preterm infants. <i>European Journal of Pediatrics</i> , 2004, 163, 7-13.	2.7	38
32	Effects of Pressure Support Ventilation Plus Volume Guarantee vs. High-frequency Oscillatory Ventilation on Lung Inflammation in Preterm Infants. <i>Pediatric Pulmonology</i> , 2006, 41, 242-249.	2.0	37
33	Neuroprotective effects of topiramate and memantine in combination with hypothermia in hypoxic-ischemic brain injury in vitro and in vivo. <i>Neuroscience Letters</i> , 2018, 668, 103-107.	2.1	37
34	β_3 -adrenoreceptor blockade reduces tumor growth and increases neuronal differentiation in neuroblastoma via SK2/S1P2 modulation. <i>Oncogene</i> , 2020, 39, 368-384.	5.9	37
35	Infantile Hemangiomas, Retinopathy of Prematurity and Cancer: A Common Pathogenetic Role of the β_2 -Adrenergic System. <i>Medicinal Research Reviews</i> , 2015, 35, 619-652.	10.5	36
36	Further data on beta-blockers and cancer risk: observational study and meta-analysis of randomized clinical trials. <i>Current Medical Research and Opinion</i> , 2013, 29, 369-378.	1.9	35

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37	Propranolol concentrations after oral administration in term and preterm neonates. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013, 26, 833-840.	1.5	34
38	The Beta Adrenergic Receptor Blocker Propranolol Counteracts Retinal Dysfunction in a Mouse Model of Oxygen Induced Retinopathy: Restoring the Balance between Apoptosis and Autophagy. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 395.	3.7	34
39	β -3-Adrenoreceptors Control Mitochondrial Dormancy in Melanoma and Embryonic Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	4.0	34
40	Propranolol 0.2% Eye Micro-Drops for Retinopathy of Prematurity: A Prospective Phase IIB Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 180.	1.9	31
41	Pathogenic Mechanism, Prophylaxis, and Therapy of Symptomatic Acidosis Induced by Acetazolamide. <i>Journal of Investigative Medicine</i> , 2002, 50, 125-132.	1.6	28
42	Safety and efficacy of topiramate in neonates with hypoxic ischemic encephalopathy treated with hypothermia (NeoNATI). <i>BMC Pediatrics</i> , 2012, 12, 144.	1.7	28
43	β -Adrenoceptors as drug targets in melanoma: novel preclinical evidence for a role of β -adrenoceptors. <i>British Journal of Pharmacology</i> , 2019, 176, 2496-2508.	5.4	28
44	Umbilical Cord Care in Premature Infants: The Effect of Two Different Cord-Care Regimens (Salicylic) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 e275-e275.</i>	2.1	27
45	Dopamine infusion: A possible cause of undiagnosed congenital hypothyroidism in preterm infants. <i>Pediatric Critical Care Medicine</i> , 2006, 7, 249-251.	0.5	27
46	Rescue treatment with terlipressin in different scenarios of refractory hypotension in newborns and infants. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e237-e241.	0.5	26
47	Role of host β -1- and β -2-adrenergic receptors in a murine model of B16 melanoma: functional involvement of β -3-adrenergic receptors. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 1317-1331.	3.0	26
48	Hypernatraemia induced by sodium polystyrene sulphonate (Kayexalate [®]) in two extremely low birth weight newborns. <i>Paediatric Anaesthesia</i> , 2004, 14, 271-275.	1.1	25
49	A rapid liquid chromatography tandem mass spectrometry-based method for measuring propranolol on dried blood spots. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 78-79, 34-38.	2.8	25
50	Propranolol 0.1% eye micro-drops in newborns with retinopathy of prematurity: a pilot clinical trial. <i>Pediatric Research</i> , 2017, 81, 307-314.	2.3	24
51	Terlipressin as rescue treatment of refractory shock in a neonate. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2008, 97, 500-501.	1.5	23
52	Neonatal liver abscesses due to Candida infection effectively treated with caspofungin. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 906-909.	1.5	22
53	Probiotic supplementation in preterm infants does not affect the risk of retinopathy of prematurity: a meta-analysis of randomized controlled trials. <i>Scientific Reports</i> , 2017, 7, 13014.	3.3	22
54	Use of polyvinyl feeding tubes and iatrogenic pharyngo-oesophageal perforation in very-low-birthweight infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005, 94, 1825-1828.	1.5	21

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55	Use of polyvinyl feeding tubes and iatrogenic pharyngo-oesophageal perforation in very-low-birthweight infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005, 94, 1825-1828.	1.5	21
56	Protective Effects of β 1/2 Adrenergic Receptor Deletion in a Model of Oxygen-Induced Retinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 59-73.	3.3	21
57	β 3-Adrenoreceptor Blockade Induces Stem Cells Differentiation in Melanoma Microenvironment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1420.	4.1	19
58	Early postnatal Doppler assessment of cerebral blood flow velocity in healthy preterm and term infants. <i>Developmental Medicine and Child Neurology</i> , 2002, 44, 745-52.	2.1	18
59	Insulin-resistant hyperglycaemia complicating neonatal onset of methylmalonic and propionic acidaemias. <i>Journal of Inherited Metabolic Disease</i> , 2009, 32, 179-186.	3.6	18
60	Strategies for reducing the incidence of skin complications in newborns treated with whole-body hypothermia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 2115-2121.	1.5	18
61	Dopamine Infusion and Anterior Pituitary Gland Function in Very Low Birth Weight Infants. <i>Neonatology</i> , 2006, 89, 274-280.	2.0	17
62	Paradoxical embolism in a preterm infant. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 713-716.	2.1	17
63	Successful Propranolol Treatment of a Kaposiform Hemangioendothelioma Apparently Resistant to Propranolol. <i>Pediatric Blood and Cancer</i> , 2016, 63, 1290-1292.	1.5	16
64	Decoupling Oxygen Tension From Retinal Vascularization as a New Perspective for Management of Retinopathy of Prematurity. <i>New Opportunities From β2-adrenoceptors</i> . <i>Frontiers in Pharmacology</i> , 2022, 13, 835771.	3.5	15
65	Cephaloskeletal dysplasia (Taybi-Linder syndrome; osteodysplastic primordial dwarfism type III): report of two cases and review of the literature. <i>Pediatric Radiology</i> , 2000, 30, 644-652.	2.0	14
66	Heart Rate and Arterial Pressure Changes during Whole-Body Deep Hypothermia. <i>ISRN Pediatrics</i> , 2013, 2013, 1-6.	1.2	14
67	Expression of β 2-adrenergic receptors in pediatric malignant brain tumors. <i>Oncology Letters</i> , 2013, 5, 221-225.	1.8	14
68	Pharmacokinetics and local safety profile of propranolol eye drops in rabbits. <i>Pediatric Research</i> , 2014, 76, 378-385.	2.3	14
69	Different Efficacy of Propranolol in Mice with Oxygen-Induced Retinopathy: Could Differential Effects of Propranolol Be Related to Differences in Mouse Strains?. , 2012, 53, 7421.		13
70	Cryptogenic Hepatitis Masking the Diagnosis of Ornithine Transcarbamylase Deficiency. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1996, 22, 380-383.	1.8	12
71	Shwachman Syndrome in a Preterm Newborn Associated With Transient Diabetes Mellitus. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2002, 34, 219-223.	1.8	11
72	Temporary Epicardial Pacing in an Extremely Low-Birth-Weight Infant with Congenital Atrioventricular Block. <i>Congenital Heart Disease</i> , 2007, 2, 199-202.	0.2	11

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73	Sleeping problems in mothers and fathers of patients suffering from congenital central hypoventilation syndrome. <i>Sleep and Breathing</i> , 2015, 19, 1057-1064.	1.7	11
74	Current Therapies and New Targets to Fight Melanoma: A Promising Role for the β -Adrenoreceptor. <i>Cancers</i> , 2020, 12, 1415.	3.7	11
75	β -Adrenoceptor, a novel player in the roundtrip from neonatal diseases to cancer: Suggestive clues from embryo. <i>Medicinal Research Reviews</i> , 2022, 42, 1179-1201.	10.5	11
76	Diagnosis of Gastro-Oesophageal Reflux in Preterm Infants: Sonography vs. pH-Monitoring. <i>Neonatology</i> , 2007, 91, 162-166.	2.0	10
77	β -Adrenoceptors as Putative Regulator of Immune Tolerance in Cancer and Pregnancy. <i>Frontiers in Immunology</i> , 2020, 11, 2098.	4.8	10
78	Paradoxical embolism in a preterm infant. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 713-6.	2.1	9
79	Does pulmonary function change during whole-body deep hypothermia?. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011, 96, F374-F377.	2.8	9
80	Study protocol: safety and efficacy of propranolol 0.2% eye drops in newborns with a precocious stage of retinopathy of prematurity (DROP-ROP-0.2%): a multicenter, open-label, single arm, phase II trial. <i>BMC Pediatrics</i> , 2017, 17, 165.	1.7	9
81	β -Adrenoreceptor Activity Limits Apigenin Efficacy in Ewing Sarcoma Cells: A Dual Approach to Prevent Cell Survival. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2149.	4.1	9
82	HIF-1-Dependent Induction of β Adrenoceptor: Evidence from the Mouse Retina. <i>Cells</i> , 2022, 11, 1271.	4.1	9
83	Congenital syphilis: unique clinical presentation in three preterm newborns. <i>Journal of Perinatal Medicine</i> , 2004, 32, 90-4.	1.4	8
84	β -Adrenoreceptor Blockade Reduces Hypoxic Myeloid Leukemic Cells Survival and Chemoresistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4210.	4.1	8
85	Different neurologic outcomes in two patients with neonatal hyperinsulinemic hypoglycemia. <i>Child's Nervous System</i> , 1996, 12, 413-416.	1.1	7
86	Congenital Microgastria and Primary Ciliary Dyskinesia in a Newborn with DiGeorge Syndrome and 22q11.2 Deletion. <i>European Journal of Pediatric Surgery</i> , 2008, 18, 195-197.	1.3	7
87	Fetal programming and systemic sclerosis. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 839.e1-839.e8.	1.3	7
88	A safety review of drugs used for the treatment of retinopathy of prematurity. <i>Expert Opinion on Drug Safety</i> , 2020, 19, 1409-1418.	2.4	7
89	Effect of Beta 3 Adrenoceptor Modulation on Patency of the Ductus Arteriosus. <i>Cells</i> , 2020, 9, 2625.	4.1	7
90	Hypothermia for neonatal hypoxic-ischemic encephalopathy: may an early amplitude-integrated EEG improve the selection of candidates for cooling?. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 2171-2176.	1.5	6

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91	Î²3-adrenoreceptor and tumor microenvironment: a new hub. <i>Oncolmmunology</i> , 2015, 4, e1026532.	4.6	6
92	Effects of phototherapy on cerebral haemodynamics in preterm infants: is fibre-optic different from conventional phototherapy?. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 114-8.	2.1	6
93	The Genetic Basis of Dormancy and Awakening in Cutaneous Metastatic Melanoma. <i>Cancers</i> , 2022, 14, 2104.	3.7	6
94	Vagal bradycardia at term. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 901-903.	1.5	5
95	Incidence of Sudden Unexpected Postnatal Collapse in the Therapeutic Hypothermia Era. <i>American Journal of Perinatology</i> , 2017, 34, 1362-1367.	1.4	5
96	Haematohidrosis treated with propranolol: a case report. <i>Archives of Disease in Childhood</i> , 2019, 104, 171-171.	1.9	5
97	Infantile hemangiomas Î²3-adrenoceptor overexpression is associated with nonresponse to propranolol. <i>Pediatric Research</i> , 2022, 91, 163-170.	2.3	5
98	Neurosensory Alterations in Retinopathy of Prematurity: A Window to Neurological Impairments Associated to Preterm Birth. <i>Biomedicines</i> , 2022, 10, 1603.	3.2	5
99	Propranolol eye drops in patients with corneal neovascularization. <i>Medicine (United States)</i> , 2018, 97, e13002.	1.0	3
100	Decompressive Fasciotomy in an Extremely Preterm Newborn with Compartment Syndrome. <i>Journal of Pediatrics</i> , 2019, 214, 232-233.e1.	1.8	3
101	Preliminary Study on Î²3-Adrenoreceptor as Predictor Marker of Relapse in Ewing Sarcoma Patients. <i>Biomedicines</i> , 2020, 8, 413.	3.2	3
102	The potential role of propranolol in incontinentia pigmenti. <i>Dermatologic Therapy</i> , 2021, 34, e14737.	1.7	3
103	Maternal anthropometric variables and clinical factors shape neonatal microbiome. <i>Scientific Reports</i> , 2022, 12, 2875.	3.3	2
104	Vein of Galen aneurysmal malformation and galactosemia in a neonate: a previously unreported association. <i>Paediatric Anaesthesia</i> , 2007, 17, 1221-1223.	1.1	1
105	Time to move on. <i>Pediatric Critical Care Medicine</i> , 2011, 12, 481.	0.5	1
106	Refractive Outcome in Preterm Newborns With ROP After Propranolol Treatment. A Retrospective Observational Cohort Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 479.	1.9	1
107	Persistent pulmonary hypertension of the newborn refractory to inhaled nitric oxide and prostacyclin, responsive to neuromuscular blockade. <i>Minerva Pediatrica</i> , 2011, 63, 233-5.	2.7	1
108	Pericentric inversion of chromosome 2 and echogenic vasculature in the basal ganglia: A new finding?. <i>Journal of Clinical Ultrasound</i> , 2005, 33, 146-148.	0.8	0

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109	Pulmonary Hypertension of the Neonate Resistant to Inhaled Nitric Oxide. <i>Journal of Pediatrics</i> , 2005, 147, 867.	1.8	0
110	Dopamine Administration in Very Low Birth Weight Preterm Infants: Emerging Issues on Endocrine Effects. <i>Current Pediatric Reviews</i> , 2007, 3, 141-166.	0.8	0
111	Refractory persistent pulmonary hypertension of the newborn responsive to neuromuscular blockade. <i>Early Human Development</i> , 2008, 84, S88.	1.8	0
112	Fusidic acid and heparin lock solution for the prevention of catheter-related bloodstream infections in neonates cannot be recommended as a routine yet. <i>Pediatric Critical Care Medicine</i> , 2008, 9, 668.	0.5	0