

Maurizio Muraca

List of Publications by Year in descending order

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79
papers

5,134
citations

117453

34
h-index

88477

70
g-index

81
all docs

81
docs citations

81
times ranked

7812
citing authors

#	ARTICLE	IF	CITATIONS
1	Paclitaxel is incorporated by mesenchymal stromal cells and released in exosomes that inhibit in vitro tumor growth: A new approach for drug delivery. <i>Journal of Controlled Release</i> , 2014, 192, 262-270.	4.8	697
2	Prospective, Randomized, Multicenter, Controlled Trial of a Bioartificial Liver in Treating Acute Liver Failure. <i>Annals of Surgery</i> , 2004, 239, 660-670.	2.1	574
3	Hepatocyte transplantation as a treatment for glycogen storage disease type 1a. <i>Lancet, The</i> , 2002, 359, 317-318.	6.3	370
4	Immunoregulatory Effects of Mesenchymal Stem Cell-Derived Extracellular Vesicles on T Lymphocytes. <i>Cell Transplantation</i> , 2015, 24, 2615-2627.	1.2	228
5	Prevalence and prognostic value of quantified electroencephalogram (EEG) alterations in cirrhotic patients. <i>Journal of Hepatology</i> , 2001, 35, 37-45.	1.8	226
6	Challenges and Strategies for Improving the Regenerative Effects of Mesenchymal Stromal Cell-Based Therapies. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2087.	1.8	178
7	Extracellular Vesicles in Physiology, Pathology, and Therapy of the Immune and Central Nervous System, with Focus on Extracellular Vesicles Derived from Mesenchymal Stem Cells as Therapeutic Tools. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 109.	1.8	152
8	Differential effects of extracellular vesicles secreted by mesenchymal stem cells from different sources on glioblastoma cells. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 495-504.	1.4	140
9	The Immunosuppressive Effect of Mesenchymal Stromal Cells on B Lymphocytes is Mediated by Membrane Vesicles. <i>Cell Transplantation</i> , 2013, 22, 369-379.	1.2	130
10	Osteoblast-Derived Extracellular Vesicles Are Biological Tools for the Delivery of Active Molecules to Bone. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 517-533.	3.1	105
11	Imbalance Between Production and Conjugation of Bilirubin: A Fundamental Concept in the Mechanism of Neonatal Jaundice. <i>Pediatrics</i> , 2002, 110, e47-e47.	1.0	104
12	Stem and progenitor cells for liver repopulation: can we standardise the process from bench to bedside?. <i>Gut</i> , 2009, 58, 594-603.	6.1	103
13	High-dose fenoldopam reduces postoperative neutrophil gelatinase-associated lipocalin and cystatin C levels in pediatric cardiac surgery. <i>Critical Care</i> , 2011, 15, R160.	2.5	98
14	Human bone marrow mesenchymal stem cell-derived extracellular vesicles attenuate neuroinflammation evoked by focal brain injury in rats. <i>Journal of Neuroinflammation</i> , 2019, 16, 216.	3.1	94
15	Recent Advances in Mesenchymal Stem Cell Immunomodulation: The Role of Microvesicles. <i>Cell Transplantation</i> , 2015, 24, 133-149.	1.2	91
16	Intratracheal administration of clinical-grade mesenchymal stem cell-derived extracellular vesicles reduces lung injury in a rat model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L6-L19.	1.3	91
17	Influence of sex and sex steroids on bilirubin uridine diphosphate-glucuronosyltransferase activity of rat liver. <i>Gastroenterology</i> , 1984, 87, 308-313.	0.6	84
18	Present and Future of Bronchopulmonary Dysplasia. <i>Journal of Clinical Medicine</i> , 2020, 9, 1539.	1.0	75

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19	Relationships between serum bilirubins and production and conjugation of bilirubin. <i>Gastroenterology</i> , 1987, 92, 309-317.	0.6	73
20	The Role of Mass Spectrometry in the "Omics" Era. <i>Current Organic Chemistry</i> , 2013, 17, 2891-2905.	0.9	72
21	Conjugated bilirubin in neonates with glucose-6-phosphate dehydrogenase deficiency. <i>Journal of Pediatrics</i> , 1996, 128, 695-697.	0.9	66
22	MALDI-TOF MS proteomic phenotyping of filamentous and other fungi from clinical origin. <i>Journal of Proteomics</i> , 2012, 75, 3314-3330.	1.2	66
23	Epidemiology and Clinical Outcomes of Multidrug-resistant, Gram-negative Bloodstream Infections in a European Tertiary Pediatric Hospital During a 12-month Period. <i>Pediatric Infectious Disease Journal</i> , 2014, 33, 929-932.	1.1	66
24	Imaging of extracellular vesicles derived from human bone marrow mesenchymal stem cells using fluorescent and magnetic labels. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1653-1664.	3.3	64
25	Bone marrow-derived liver stem cell and mature hepatocyte engraftment in livers undergoing rejection. <i>Surgery</i> , 2002, 132, 384-390.	1.0	58
26	Early-life gut microbiota under physiological and pathological conditions: The central role of combined meta-omics-based approaches. <i>Journal of Proteomics</i> , 2012, 75, 4580-4587.	1.2	52
27	Hemolysis and bilirubin conjugation in association with UDP-glucuronosyltransferase 1A1 promoter polymorphism. <i>Hepatology</i> , 2002, 35, 905-911.	3.6	50
28	Prognostic value of the galactose test in predicting survival of patients with cirrhosis evaluated for liver transplantation. <i>Journal of Hepatology</i> , 1996, 25, 474-480.	1.8	49
29	Osteopetrosis and Its Relevance for the Discovery of New Functions Associated with the Skeleton. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-8.	0.6	49
30	Impact of Severe Sepsis on Serum and Urinary Biomarkers of Acute Kidney Injury in Critically Ill Children: An Observational Study. <i>Blood Purification</i> , 2013, 35, 172-176.	0.9	47
31	Intraportal hepatocyte transplantation in the pig: a hemodynamic and histopathological study ¹ . <i>Transplantation</i> , 2002, 73, 890-896.	0.5	43
32	Effect of Silibinin on biliary lipid composition experimental and clinical study. <i>Journal of Hepatology</i> , 1991, 12, 290-295.	1.8	41
33	Evolving concepts in cell therapy of liver disease and current clinical perspectives. <i>Digestive and Liver Disease</i> , 2011, 43, 180-187.	0.4	38
34	Generation of the first autosomal dominant osteopetrosis type II (ADO2) disease models. <i>Bone</i> , 2014, 59, 66-75.	1.4	36
35	The Effect of Drugs on Bile Flow and Composition. <i>Drugs</i> , 1986, 31, 430-448.	4.9	34
36	A Sensitive and Effective Proteomic Approach to Identify She-Donkey's and Goat's Milk Adulterations by MALDI-TOF MS Fingerprinting. <i>International Journal of Molecular Sciences</i> , 2014, 15, 13697-13719.	1.8	32

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37	Inhibition of Spinal Oxidative Stress by Bergamot Polyphenolic Fraction Attenuates the Development of Morphine Induced Tolerance and Hyperalgesia in Mice. PLoS ONE, 2016, 11, e0156039.	1.1	32
38	CD73 ⁺ extracellular vesicles inhibit angiogenesis through adenosine A _{2B} receptor signalling. Journal of Extracellular Vesicles, 2020, 9, 1757900.	5.5	31
39	Proapoptotic effect of hepatitis C virus CORE protein in transiently transfected cells is enhanced by nuclear localization and is dependent on PKR activation. Journal of Hepatology, 2004, 40, 77-85.	1.8	30
40	Biomarkers of Alzheimer Disease, Insulin Resistance, and Obesity in Childhood. Pediatrics, 2015, 135, 1074-1081.	1.0	30
41	Proteomic applications in food allergy. Current Opinion in Allergy and Clinical Immunology, 2015, 15, 259-266.	1.1	29
42	Intratracheal administration of mesenchymal stem cell-derived extracellular vesicles reduces lung injuries in a chronic rat model of bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L688-L704.	1.3	29
43	Mesenchymal stromal cells and their secreted extracellular vesicles as therapeutic tools for COVID-19 pneumonia?. Journal of Controlled Release, 2020, 325, 135-140.	4.8	28
44	SiO ₂ Entrapment of Animal Cells: Liver-Specific Metabolic Activities in Silica-Overlaid Hepatocytes. Artificial Organs, 2002, 26, 664-669.	1.0	27
45	Increased expression of a set of genes enriched in oxygen binding function discloses a predisposition of breast cancer bone metastases to generate metastasis spread in multiple organs. Journal of Bone and Mineral Research, 2012, 27, 2387-2398.	3.1	24
46	How far are we from the clinical use of placental-derived mesenchymal stem cells?. Expert Opinion on Biological Therapy, 2015, 15, 613-617.	1.4	24
47	The Role of Extracellular Vesicles (EVs) in the Epigenetic Regulation of Bone Metabolism and Osteoporosis. International Journal of Molecular Sciences, 2020, 21, 8682.	1.8	24
48	Biotechnological approach for systemic delivery of membrane Receptor Activator of NF- κ B Ligand (RANKL) active domain into the circulation. Biomaterials, 2015, 46, 58-69.	5.7	23
49	Serum Creatinine Levels Are Significantly Influenced by Renal Size in the Normal Pediatric Population. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 107-113.	2.2	21
50	Human serum proteome analysis: new source of markers in metabolic disorders. Biomarkers in Medicine, 2012, 6, 759-773.	0.6	21
51	Proline/arginine-rich end leucine-rich repeat protein N-terminus is a novel osteoclast antagonist that counteracts bone loss. Journal of Bone and Mineral Research, 2013, 28, 1912-1924.	3.1	21
52	A Simple and Effective Mass Spectrometric Approach to Identify the Adulteration of the Mediterranean Diet Component Extra-Virgin Olive Oil with Corn Oil. International Journal of Molecular Sciences, 2015, 16, 20896-20912.	1.8	21
53	Analytic Aspects and Clinical Interpretation of Serum Bilirubins. Seminars in Liver Disease, 1988, 8, 137-147.	1.8	20
54	Molecular epidemiology and genetic diversity of human rhinovirus affecting hospitalized children in Rome. Medical Microbiology and Immunology, 2013, 202, 303-311.	2.6	20

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55	HIV is associated with thrombophilia and high D-dimer in children and adolescents. <i>Aids</i> , 2010, 24, 1145-1151.	1.0	17
56	Pandemic Influenza A/H1N1pdm in Italy: Age, Risk and Population Susceptibility. <i>PLoS ONE</i> , 2013, 8, e74785.	1.1	17
57	The C-Terminal Domain of Chondroadherin: A New Regulator of Osteoclast Motility Counteracting Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1833-1846.	3.1	17
58	Measurement of succinyl-carnitine and methylmalonyl-carnitine on dried blood spot by liquid chromatography-tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2014, 429, 30-33.	0.5	15
59	Administration of Human MSC-Derived Extracellular Vesicles for the Treatment of Primary Sclerosing Cholangitis: Preclinical Data in MDR2 Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8874.	1.8	15
60	Development of a score based on urinalysis to improve the management of urinary tract infection in children. <i>Clinica Chimica Acta</i> , 2012, 413, 478-482.	0.5	14
61	Indirect Methods for TSH Reference Interval: At Last Fit for Purpose?The Author's ReplyThe Author's Reply. <i>American Journal of Clinical Pathology</i> , 2011, 135, 167-169.	0.4	11
62	Macrophage bioassay standardization to assess the anti-inflammatory activity of mesenchymal stromal cell-derived small extracellular vesicles. <i>Cytotherapy</i> , 2022, 24, 999-1012.	0.3	11
63	Bronchopulmonary dysplasia: what's new on the horizon?. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 549-551.	2.7	10
64	Effects of Time Culture and Prototypical Cytochrome P450 3A (CYP3A) Inducers on CYP2B22, CYP2C, CYP3A and Nuclear Receptor (NR) mRNAs in Long-term Cryopreserved Pig Hepatocytes (CPHs). <i>Drug Metabolism and Pharmacokinetics</i> , 2012, 27, 495-505.	1.1	9
65	Unconjugated and Conjugated Bilirubin Pigments during Perinatal Development. <i>Neonatology</i> , 1991, 60, 144-147.	0.9	8
66	Unconjugated and Conjugated Bilirubin Pigments during Perinatal Development. <i>Neonatology</i> , 1986, 49, 90-95.	0.9	6
67	Unconjugated and Conjugated Bilirubin Pigments during Perinatal Development. <i>Neonatology</i> , 1998, 73, 155-160.	0.9	6
68	The future of stem cells in liver diseases. <i>Annals of Hepatology</i> , 2006, 5, 68-76.	0.6	6
69	Gender-related effects on urine l-cystine metastability. <i>Amino Acids</i> , 2014, 46, 415-427.	1.2	6
70	A waterborn zoonotic helminthiasis in an Italian diver: a case report of a cutaneous <i>Sparganum</i> infection and a review of European cases. <i>Pathogens and Global Health</i> , 2015, 109, 383-386.	1.0	6
71	Determination of plasma pipercolic acid by an easy and rapid liquid chromatography-tandem mass spectrometry method. <i>Clinica Chimica Acta</i> , 2015, 440, 108-112.	0.5	5
72	Unusual Early Presentation of Gilbert Syndrome in Pediatric Recipients of Liver Transplantation. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2000, 31, 238-243.	0.9	4

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73	Adopting European Network for Health Technology Assessments (EunetHTA) core model for diagnostic technologies for improving the accuracy and appropriateness of blood gas analyzersâ€™ assessment. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, 1569-77.	1.4	4
74	Effect of withdrawal of pravastatin on biliary lipid composition in humans. <i>Atherosclerosis</i> , 1996, 123, 133-137.	0.4	3
75	In chyloptysis, SP-A affects the clearance of serum lipoproteins entering the airways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998, 274, L737-L749.	1.3	3
76	Reply:. <i>Hepatology</i> , 2002, 36, 764-765.	3.6	1
77	Protective effect of tauroursodeoxycholate against acute gastric mucosal injury induced by hydrophobic bile salts. <i>Digestive Diseases and Sciences</i> , 1996, 41, 1181-1182.	1.1	0
78	Is LCT-13910C>T polymorphism associated with celiac disease?. <i>Digestive and Liver Disease</i> , 2011, 43, 417-418.	0.4	0
79	A refined approach to detect and measure minimal residual disease in childhood acute myeloid leukemia by flow cytometry. <i>American Journal of Hematology</i> , 2014, 89, 343-344.	2.0	0