Stefania Bruno

List of Publications by Year
in descending order

115 papers	13,506 citations	38720 50 h-index	29127 104 g-index
116 all docs	116 docs citations	116 times ranked	14405 citing authors

#	Article	IF	Citations
1	Mesenchymal Stem Cell-Derived Microvesicles Protect Against Acute Tubular Injury. Journal of the American Society of Nephrology: JASN, 2009, 20, 1053-1067.	3.0	1,144
2	Exosomes/microvesicles as a mechanism of cell-to-cell communication. Kidney International, 2010, 78, 838-848.	2.6	995
3	Endothelial progenitor cellâ€"derived microvesicles activate an angiogenic program in endothelial cells by a horizontal transfer of mRNA. Blood, 2007, 110, 2440-2448.	0.6	864
4	Microvesicles derived from human adult mesenchymal stem cells protect against ischaemia-reperfusion-induced acute and chronic kidney injury. Nephrology Dialysis Transplantation, 2011, 26, 1474-1483.	0.4	697
5	Isolation of Renal Progenitor Cells from Adult Human Kidney. American Journal of Pathology, 2005, 166, 545-555.	1.9	578
6	Microvesicles Derived from Adult Human Bone Marrow and Tissue Specific Mesenchymal Stem Cells Shuttle Selected Pattern of miRNAs. PLoS ONE, 2010, 5, e11803.	1.1	554
7	Microvesicles Derived from Mesenchymal Stem Cells Enhance Survival in a Lethal Model of Acute Kidney Injury. PLoS ONE, 2012, 7, e33115.	1.1	526
8	Microvesicles derived from endothelial progenitor cells protect the kidney from ischemiaâ€"reperfusion injury by microRNA-dependent reprogramming of resident renal cells. Kidney International, 2012, 82, 412-427.	2.6	459
9	Defining mesenchymal stromal cell (MSC)â€derived small extracellular vesicles for therapeutic applications. Journal of Extracellular Vesicles, 2019, 8, 1609206.	5.5	400
10	Isolation and Characterization of a Stem Cell Population from Adult Human Liver. Stem Cells, 2006, 24, 2840-2850.	1.4	384
11	Therapeutic potential of mesenchymal stem cell-derived microvesicles. Nephrology Dialysis Transplantation, 2012, 27, 3037-3042.	0.4	362
12	Exogenous mesenchymal stem cells localize to the kidney by means of CD44 following acute tubular injury. Kidney International, 2007, 72, 430-441.	2.6	333
13	Mesenchymal stem cells contribute to the renal repair of acute tubular epithelial injury. International Journal of Molecular Medicine, 2004, 14, 1035-41.	1.8	326
14	Identification of a tumorâ€initiating stem cell population in human renal carcinomas. FASEB Journal, 2008, 22, 3696-3705.	0.2	304
15	Biodistribution of mesenchymal stem cell-derived extracellular vesicles in a model of acute kidney injury monitored by optical imaging. International Journal of Molecular Medicine, 2014, 33, 1055-1063.	1.8	277
16	Microvesicles Derived from Human Bone Marrow Mesenchymal Stem Cells Inhibit Tumor Growth. Stem Cells and Development, 2013, 22, 758-771.	1.1	264
17	Platelet-derived growth factor regulates the secretion of extracellular vesicles by adipose mesenchymal stem cells and enhances their angiogenic potential. Cell Communication and Signaling, 2014, 12, 26.	2.7	240
18	AKI Recovery Induced by Mesenchymal Stromal Cell-Derived Extracellular Vesicles Carrying MicroRNAs. Journal of the American Society of Nephrology: JASN, 2015, 26, 2349-2360.	3.0	212

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19	Exosome/microvesicle-mediated epigenetic reprogramming of cells. American Journal of Cancer Research, 2011, 1, 98-110.	1.4	206
20	Human Liver Stem Cell-Derived Microvesicles Inhibit Hepatoma Growth in SCID Mice by Delivering Antitumor MicroRNAs. Stem Cells, 2012, 30, 1985-1998.	1.4	170
21	Mesenchymal stromal cell-derived extracellular vesicles rescue radiation damage to murine marrow hematopoietic cells. Leukemia, 2016, 30, 2221-2231.	3.3	170
22	CD133+ Renal Progenitor Cells Contribute to Tumor Angiogenesis. American Journal of Pathology, 2006, 169, 2223-2235.	1.9	161
23	Sorafenib blocks tumour growth, angiogenesis and metastatic potential in preclinical models of osteosarcoma through a mechanism potentially involving the inhibition of ERK1/2, MCL-1 and ezrin pathways. Molecular Cancer, 2009, 8, 118.	7.9	159
24	Renal Regenerative Potential of Different Extracellular Vesicle Populations Derived from Bone Marrow Mesenchymal Stromal Cells. Tissue Engineering - Part A, 2017, 23, 1262-1273.	1.6	159
25	Circulating Exosomes Are Strongly Involved in SARS-CoV-2 Infection. Frontiers in Molecular Biosciences, 2021, 8, 632290.	1.6	140
26	Exosome and Microvesicle-Enriched Fractions Isolated from Mesenchymal Stem Cells by Gradient Separation Showed Different Molecular Signatures and Functions on Renal Tubular Epithelial Cells. Stem Cell Reviews and Reports, 2017, 13, 226-243.	5.6	129
27	The secretome of mesenchymal stromal cells: Role of extracellular vesicles in immunomodulation. Immunology Letters, 2015, 168, 154-158.	1.1	128
28	Mesenchymal stem cells contribute to the renal repair of acute tubular epithelial injury. International Journal of Molecular Medicine, 2004, 14, 1035.	1.8	126
29	Extracellular Vesicles Released from Mesenchymal Stromal Cells Modulate miRNA in Renal Tubular Cells and Inhibit ATP Depletion Injury. Stem Cells and Development, 2014, 23, 1809-1819.	1.1	121
30	Stem Cells Derived from Human Amniotic Fluid Contribute to Acute Kidney Injury Recovery. American Journal of Pathology, 2010, 177, 2011-2021.	1.9	119
31	Human mesenchymal stem cell-derived microvesicles modulate T cell response to islet antigen glutamic acid decarboxylase in patients with type 1 diabetes. Diabetologia, 2014, 57, 1664-1673.	2.9	119
32	The effects of glomerular and tubular renal progenitors and derived extracellular vesicles on recovery from acute kidney injury. Stem Cell Research and Therapy, 2017, 8, 24.	2.4	117
33	Isolation and Characterization of Resident Mesenchymal Stem Cells in Human Glomeruli. Stem Cells and Development, 2009, 18, 867-880.	1.1	110
34	The role of microvesicles in tissue repair. Organogenesis, 2011, 7, 105-115.	0.4	103
35	Perfusion of isolated rat kidney with Mesenchymal Stromal Cells/Extracellular Vesicles prevents ischaemic injury. Journal of Cellular and Molecular Medicine, 2017, 21, 3381-3393.	1.6	102
36	The Combination of Sorafenib and Everolimus Abrogates mTORC1 and mTORC2 Upregulation in Osteosarcoma Preclinical Models. Clinical Cancer Research, 2013, 19, 2117-2131.	3.2	96

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37	Human liver stem cells improve liver injury in a model of fulminant liver failure. Hepatology, 2013, 57, 311-319.	3.6	86
38	Human liver stem cells and derived extracellular vesicles improve recovery in a murine model of acute kidney injury. Stem Cell Research and Therapy, 2014, 5, 124.	2.4	86
39	HLSC-Derived Extracellular Vesicles Attenuate Liver Fibrosis and Inflammation in a Murine Model of Non-alcoholic Steatohepatitis. Molecular Therapy, 2020, 28, 479-489.	3.7	86
40	Ex vivo expansion of human adult stem cells capable of primary and secondary hemopoietic reconstitution. Experimental Hematology, 2003, 31, 261-270.	0.2	85
41	Lentiviral gene transfer and ex vivo expansion of human primitive stem cells capable of primary, secondary, and tertiary multilineage repopulation in NOD/SCID mice. Blood, 2002, 100, 4391-4400.	0.6	84
42	Elevated telomerase activity and minimal telomere loss in cord blood long-term cultures with extensive stem cell replication. Blood, 2004, 103, 4440-4448.	0.6	81
43	Endothelial progenitor cell-derived extracellular vesicles protect from complement-mediated mesangial injury in experimental anti-Thy1.1 glomerulonephritis. Nephrology Dialysis Transplantation, 2015, 30, 410-422.	0.4	74
44	Differentiation Therapy: Targeting Human Renal Cancer Stem Cells with Interleukin 15. Journal of the National Cancer Institute, 2011, 103, 1884-1898.	3.0	70
45	Role of mesenchymal stem cell-derived microvesicles in tissue repair. Pediatric Nephrology, 2013, 28, 2249-2254.	0.9	65
46	Isolation and characterization of human breast tumor-derived endothelial cells. Oncology Reports, 2006, 15, 381-6.	1.2	64
47	Extracellular vesicles in renal tissue damage and regeneration. European Journal of Pharmacology, 2016, 790, 83-91.	1.7	63
48	Differentiation of Mesenchymal Stem Cells Derived from Pancreatic Islets and Bone Marrow into Islet-Like Cell Phenotype. PLoS ONE, 2011, 6, e28175.	1.1	59
49	Mesenchymal Stromal Cell Derived Extracellular Vesicles Reduce Hypoxia-Ischaemia Induced Perinatal Brain Injury. Frontiers in Physiology, 2019, 10, 282.	1.3	57
50	Effects of Mesenchymal Stromal Cell-Derived Extracellular Vesicles on Tumor Growth. Frontiers in Immunology, 2014, 5, 382.	2.2	55
51	Adipocyte-derived extracellular vesicles regulate survival and function of pancreatic Î² cells. JCI Insight, 2021, 6, .	2.3	55
52	Neural-cell adhesion molecule (NCAM) expression by immature and tumor-derived endothelial cells favors cell organization into capillary-like structures. Experimental Cell Research, 2006, 312, 913-924.	1.2	46
53	MicroRNAs and Mesenchymal Stem Cells. Vitamins and Hormones, 2011, 87, 291-320.	0.7	45
54	Role of extracellular vesicles in stem cell biology. American Journal of Physiology - Cell Physiology, 2019, 317, C303-C313.	2.1	44

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55	In vitro and in vivo megakaryocyte differentiation of fresh and ex-vivo expanded cord blood cells: rapid and transient megakaryocyte reconstitution. Haematologica, 2003, 88, 379-87.	1.7	44
56	Renal Regenerative Potential of Extracellular Vesicles Derived from miRNA-Engineered Mesenchymal Stromal Cells. International Journal of Molecular Sciences, 2019, 20, 2381.	1.8	40
57	Mesenchymal Stem Cell Derived Extracellular Vesicles Ameliorate Kidney Injury in Aristolochic Acid Nephropathy. Frontiers in Cell and Developmental Biology, 2020, 8, 188.	1.8	40
58	Differentiation of Podocyte and Proximal Tubule-Like Cells from a Mouse Kidney-Derived Stem Cell Line. Stem Cells and Development, 2012, 21, 296-307.	1.1	35
59	Extracellular Vesicles: A Therapeutic Option for Liver Fibrosis. International Journal of Molecular Sciences, 2020, 21, 4255.	1.8	34
60	Fast But Durable Megakaryocyte Repopulation and Platelet Production in NOD/SCID Mice Transplanted with Ex-Vivo Expanded Human Cord Blood CD34+ Cells. Stem Cells, 2004, 22, 135-143.	1.4	33
61	Isolation and characterization of human breast tumor-derived endothelial cells. Oncology Reports, 2006, 15, 381.	1.2	33
62	Role of Lefty in the anti tumor activity of human adult liver stem cells. Oncogene, 2013, 32, 819-826.	2.6	33
63	Extracellular vesicles from human liver stem cells restore argininosuccinate synthase deficiency. Stem Cell Research and Therapy, 2017, 8, 176.	2.4	33
64	Extracellular vesicles as potential biomarkers of acute graft-vs-host disease. Leukemia, 2018, 32, 765-773.	3.3	32
65	Negative Influence of IL3 on the Expansion of Human Cord BloodIn VivoLong-Term Repopulating Stem Cells. Journal of Hematotherapy and Stem Cell Research, 2000, 9, 945-956.	1.8	28
66	Combined administration of G-CSF and GM-CSF stimulates monocyte-derived pro-angiogenic cells in patients with acute myocardial infarction. Cytokine, 2006, 34, 56-65.	1.4	28
67	Renal Cells from Spermatogonial Germline Stem Cells Protect against Kidney Injury. Journal of the American Society of Nephrology: JASN, 2014, 25, 316-328.	3.0	27
68	The Role of Extracellular Vesicles as Paracrine Effectors in Stem Cell-Based Therapies. Advances in Experimental Medicine and Biology, 2019, 1201, 175-193.	0.8	26
69	Human Liver-Derived Stem Cells Improve Fibrosis and Inflammation Associated with Nonalcoholic Steatohepatitis. Stem Cells International, 2019, 2019, 1-14.	1.2	24
70	Concise Review: Different Mesenchymal Stromal/Stem Cell Populations Reside in the Adult Kidney. Stem Cells Translational Medicine, 2014, 3, 1451-1455.	1.6	23
71	Intrahepatic Administration of Human Liver Stem Cells in Infants with Inherited Neonatal-Onset Hyperammonemia: A Phase I Study. Stem Cell Reviews and Reports, 2020, 16, 186-197.	1.7	23
72	Mesenchymal Stromal Cells Epithelial Transition Induced by Renal Tubular Cells-Derived Extracellular Vesicles. PLoS ONE, 2016, 11, e0159163.	1.1	22

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73	Isolation and Characterization of Resident Mesenchymal Stem Cells in Human Glomeruli. Methods in Molecular Biology, 2012, 879, 367-380.	0.4	21
74	Human Liver Stem Cells Suppress T-Cell Proliferation, NK Activity, and Dendritic Cell Differentiation. Stem Cells International, 2016, 2016, 1-14.	1.2	21
75	The role of microvesicles derived from mesenchymal stem cells in tissue regeneration; a dream for tendon repair?. Muscles, Ligaments and Tendons Journal, 2012, 2, 212-21.	0.1	21
76	Vasculogenic potential of long term repopulating cord blood progenitors. FASEB Journal, 2004, 18, 1273-1275.	0.2	20
77	Isolation and characterization of renal cancer stem cells from patient-derived xenografts. Oncotarget, 2016, 7, 15507-15524.	0.8	20
78	Human Liver Stem Cells: A Liver-Derived Mesenchymal Stromal Cell-Like Population With Pro-regenerative Properties. Frontiers in Cell and Developmental Biology, 2021, 9, 644088.	1.8	20
79	Human Liver Stem Cell-Derived Extracellular Vesicles Target Hepatic Stellate Cells and Attenuate Their Pro-fibrotic Phenotype. Frontiers in Cell and Developmental Biology, 2021, 9, 777462.	1.8	19
80	Extracellular vesicles derived from patients with antibody-mediated rejection induce tubular senescence and endothelial to mesenchymal transition in renal cells. American Journal of Transplantation, 2022, 22, 2139-2157.	2.6	19
81	Expression of the c-ErbB-2/HER2 proto-oncogene in normal hematopoietic cells. Journal of Leukocyte Biology, 2003, 74, 593-601.	1.5	17
82	Dissecting Paracrine Effectors for Mesenchymal Stem Cells. Advances in Biochemical Engineering/Biotechnology, 2012, 129, 137-152.	0.6	17
83	Molecular Pathways Modulated by Mesenchymal Stromal Cells and Their Extracellular Vesicles in Experimental Models of Liver Fibrosis. Frontiers in Cell and Developmental Biology, 2020, 8, 594794.	1.8	17
84	Nephroprotective Potential of Mesenchymal Stromal Cells and Their Extracellular Vesicles in a Murine Model of Chronic Cyclosporine Nephrotoxicity. Frontiers in Cell and Developmental Biology, 2020, 8, 296.	1.8	16
85	Extracellular Vesicles Derived from Mesenchymal Stromal Cells Delivered during Hypothermic Oxygenated Machine Perfusion Repair Ischemic/Reperfusion Damage of Kidneys from Extended Criteria Donors. Biology, 2022, 11, 350.	1.3	16
86	Protective Effects of Human Liver Stem Cell-Derived Extracellular Vesicles in a Mouse Model of Hepatic Ischemia-Reperfusion Injury. Stem Cell Reviews and Reports, 2021, 17, 459-470.	1.7	14
87	The involvement of human-nuc gene in polyploidization of K562 cell line. Experimental Hematology, 2000, 28, 1432-1440.	0.2	12
88	Protective Role of the M-Secâ€"Tunneling Nanotube System in Podocytes. Journal of the American Society of Nephrology: JASN, 2021, 32, 1114-1130.	3.0	12
89	Role of different medium and growth factors on placental blood stem cell expansion: an in vitro and in vivo study. Bone Marrow Transplantation, 2002, 29, 443-448.	1.3	11
90	Therapeutic effects of mesenchymal stem cells on renal ischemiaâ€"reperfusion injury: a matter of genetic transfer?. Stem Cell Research and Therapy, 2013, 4, 55.	2.4	11

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91	Exploring Mesenchymal Stem Cell-Derived Extracellular Vesicles in Acute Kidney Injury. Methods in Molecular Biology, 2014, 1213, 139-145.	0.4	11
92	Human Renal Normal, Tumoral, and Cancer Stem Cells Express Membrane-Bound Interleukin-15 Isoforms Displaying Different Functions. Neoplasia, 2015, 17, 509-517.	2.3	10
93	Stem Cell-Derived Extracellular Vesicles as Potential Therapeutic Approach for Acute Kidney Injury. Frontiers in Immunology, 2022, 13, 849891.	2.2	9
94	Serial Transplantations in Nonobese Diabetic/Severe Combined Immunodeficiency Mice of Transduced Human CD34+Cord Blood Cells: Efficient Oncoretroviral Gene Transfer and Ex Vivo Expansion Under Serum-Free Conditions. Stem Cells, 2006, 24, 1201-1212.	1.4	8
95	Detection of urinary podocytes by flow cytometry in idiopathic membranous nephropathy. Scientific Reports, 2020, 10, 16362.	1.6	8
96	Prevention of acute rejection after rescue with Belatacept by association of low-dose Tacrolimus maintenance in medically complex kidney transplant recipients with early or late graft dysfunction. PLoS ONE, 2020, 15, e0240335.	1.1	8
97	miRNA Expression in Mesenchymal Stem Cells. Current Pathobiology Reports, 2014, 2, 101-107.	1.6	6
98	Extracellular Vesicles Derived from Human Liver Stem Cells Attenuate Chronic Kidney Disease Development in an In Vivo Experimental Model of Renal Ischemia and Reperfusion Injury. International Journal of Molecular Sciences, 2022, 23, 1485.	1.8	6
99	Role of ncRNAs in modulation of liver fibrosis by extracellular vesicles. ExRNA, 2020, 2, .	1.0	5
100	Extracellular Vesicles as Biomarkers of Acute Graft-vs.-Host Disease After Haploidentical Stem Cell Transplantation and Post-Transplant Cyclophosphamide. Frontiers in Immunology, 2021, 12, 816231.	2.2	5
101	Biomarkers of Acute Graft-Versus-Host Disease: Surface Antigens and Micro Rnas in Extracellular Vesicles. Biology of Blood and Marrow Transplantation, 2019, 25, S232.	2.0	4
102	A First Phenotypic and Functional Characterization of Placental Extracellular Vesicles from Women with Multiple Sclerosis. International Journal of Molecular Sciences, 2021, 22, 2875.	1.8	3
103	Extracellular Vesicles as Potential Biomarker for Acute Graft-Versus-Host-Disease. Blood, 2016, 128, 2239-2239.	0.6	1
104	Pancreatic ductal transdifferentiation for Î²-cell neogenesis. Expert Opinion on Therapeutic Patents, 2008, 18, 963-967.	2.4	0
105	Reply. Hepatology, 2013, 58, 2214-2214.	3.6	0
106	Promising Role of Extracellular Vesicles as Biomarkers of Acute Graft-vs.-Host Disease. Biology of Blood and Marrow Transplantation, 2018, 24, S196.	2.0	0
107	P1600KIDNEY PERFUSION WITH MESENCHYMAL STROMAL CELLS OR EXTRACELLULAR VESICLES PREVENTS ISCHAEMIC DAMAGE THROUGH CD73/ADO SYSTEM IN A RAT MODEL OF DCD DONATION. Nephrology Dialysis Transplantation, 2020, 35, .	0.4	0
108	Abstract C213: Sorafenib blocks tumor growth, angiogenesis, and metastatic potential in preclinical models of osteosarcoma through the inhibition of ERK1/2, MCLâ€1, and ezrin pathways. , 2009, , .		0

#	Article	IF	Citations
109	Abstract LB-366: Everolimus (EV) potentiates Sorafenib (SOR)activity in osteosarcoma (OS) preclinical models: a combination targeting the crosstalk between ERK1/2 and mTORC1/2 signaling pathways. , 2012, , .		0
110	Plasmatic Extracellular Vesicles in Acute Graft-Versus-Host Disease after Haplo-Identical Allografting with Post-Transplant Cyclophosphamide. Blood, 2019, 134, 598-598.	0.6	0
111	Antigen Expression Profile and Micrornas Cargo in Extracellular Vesicles As Plasmatic Biomarkers of Acute Graft-Versus-Host Disease after Haplo-Identical Allografting. Transplantation and Cellular Therapy, 2022, 28, S303-S304.	0.6	0
112	Title is missing!. , 2020, 15, e0240335.		0
113	Title is missing!. , 2020, 15, e0240335.		0
114	Title is missing!. , 2020, 15, e0240335.		0
115	Title is missing!. , 2020, 15, e0240335.		0