Stefania Bruno

List of Publications by Citations

107 papers	10,930 citations	46 h-index	104 g-index
116 ext. papers	12,281 ext. citations	6 avg, IF	6.01 L-index

#	Paper	IF	Citations
107	Mesenchymal stem cell-derived microvesicles protect against acute tubular injury. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 1053-67	12.7	949
106	Exosomes/microvesicles as a mechanism of cell-to-cell communication. *Kidney International*, **2010**, 78, 838-48	9.9	831
105	Endothelial progenitor cell derived microvesicles activate an angiogenic program in endothelial cells by a horizontal transfer of mRNA. *Blood*, **2007**, 110, 2440-8	2.2	760
104	Microvesicles derived from human adult mesenchymal stem cells protect against ischaemia-reperfusion-induced acute and chronic kidney injury. *Nephrology Dialysis Transplantation*, **2011**, 26, 1474-83	4.3	598
103	Isolation of renal progenitor cells from adult human kidney. *American Journal of Pathology*, **2005**, 166, 545-55	5.8	514
102	Microvesicles derived from adult human bone marrow and tissue specific mesenchymal stem cells shuttle selected pattern of miRNAs. *PLoS ONE*, **2010**, 5, e11803	3.7	489
101	Microvesicles derived from mesenchymal stem cells enhance survival in a lethal model of acute kidney injury. *PLoS ONE*, **2012**, 7, e33115	3.7	446
100	Microvesicles derived from endothelial progenitor cells protect the kidney from ischemia-reperfusion injury by microRNA-dependent reprogramming of resident renal cells. *Kidney International*, **2012**, 82, 412-27	9.9	395
99	Isolation and characterization of a stem cell population from adult human liver. *Stem Cells*, **2006**, 24, 2840-50	5.8	329
98	Therapeutic potential of mesenchymal stem cell-derived microvesicles. *Nephrology Dialysis Transplantation*, **2012**, 27, 3037-42	4.3	313
97	Mesenchymal stem cells contribute to the renal repair of acute tubular epithelial injury. *International Journal of Molecular Medicine*, **2004**, 14, 1035-41	4.4	306
96	Exogenous mesenchymal stem cells localize to the kidney by means of CD44 following acute tubular injury. *Kidney International*, **2007**, 72, 430-41	9.9	286
95	Identification of a tumor-initiating stem cell population in human renal carcinomas. *FASEB Journal*, **2008**, 22, 3696-705	0.9	267
94	Defining mesenchymal stromal cell (MSC)-derived small extracellular vesicles for therapeutic applications. *Journal of Extracellular Vesicles*, **2019**, 8, 1609206	16.4	227
93	Microvesicles derived from human bone marrow mesenchymal stem cells inhibit tumor growth. *Stem Cells and Development*, **2013**, 22, 758-71	4.4	217
92	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, 1055-63	4.4	209
91	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	7.5	194

90	Exosome/microvesicle-mediated epigenetic reprogramming of cells. *American Journal of Cancer Research*, **2011**, 1, 98-110	4.4	188
89	AKI Recovery Induced by Mesenchymal Stromal Cell-Derived Extracellular Vesicles Carrying MicroRNAs. *Journal of the American Society of Nephrology: JASN*, **2015**, 26, 2349-60	12.7	164
88	CD133+ renal progenitor cells contribute to tumor angiogenesis. *American Journal of Pathology*, **2006**, 169, 2223-35	5.8	147
87	Human liver stem cell-derived microvesicles inhibit hepatoma growth in SCID mice by delivering antitumor microRNAs. *Stem Cells*, **2012**, 30, 1985-98	5.8	141
86	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	42.1	131
85	Mesenchymal stromal cell-derived extracellular vesicles rescue radiation damage to murine marrow hematopoietic cells. *Leukemia*, **2016**, 30, 2221-2231	10.7	129
84	Renal Regenerative Potential of Different Extracellular Vesicle Populations Derived from Bone Marrow Mesenchymal Stromal Cells. *Tissue Engineering - Part A*, **2017**, 23, 1262-1273	3.9	117
83	Stem cells derived from human amniotic fluid contribute to acute kidney injury recovery. *American Journal of Pathology*, **2010**, 177, 2011-21	5.8	108
82	Isolation and characterization of resident mesenchymal stem cells in human glomeruli. *Stem Cells and Development*, **2009**, 18, 867-80	4.4	100
81	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	6.4	99
80	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, 1664-73	10.3	99
79	The secretome of mesenchymal stromal cells: Role of extracellular vesicles in immunomodulation. *Immunology Letters*, **2015**, 168, 154-8	4.1	95
78	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	8.3	91
77	Extracellular vesicles released from mesenchymal stromal cells modulate miRNA in renal tubular cells and inhibit ATP depletion injury. *Stem Cells and Development*, **2014**, 23, 1809-19	4.4	90
76	The role of microvesicles in tissue repair. *Organogenesis*, **2011**, 7, 105-15	1.7	88
75	The Combination of Sorafenib and Everolimus Abrogates mTORC1 and mTORC2 upregulation in osteosarcoma preclinical models. *Clinical Cancer Research*, **2013**, 19, 2117-31	12.9	83
74	Elevated telomerase activity and minimal telomere loss in cord blood long-term cultures with extensive stem cell replication. *Blood*, **2004**, 103, 4440-8	2.2	78
73	Lentiviral gene transfer and ex vivo expansion of human primitive stem cells capable of primary, secondary, and tertiary multilineage repopulation in NOD/SCID mice. Nonobese diabetic/severe combined immunodeficient. *Blood*, **2002**, 100, 4391-400	2.2	76

72	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	8.3	73
71	Human liver stem cells improve liver injury in a model of fulminant liver failure. *Hepatology*, **2013**, 57, 311-9	11.2	72
70	Ex vivo expansion of human adult stem cells capable of primary and secondary hemopoietic reconstitution. *Experimental Hematology*, **2003**, 31, 261-70	3.1	72
69	Differentiation therapy: targeting human renal cancer stem cells with interleukin 15. *Journal of the National Cancer Institute*, **2011**, 103, 1884-98	9.7	65
68	Endothelial progenitor cell-derived extracellular vesicles protect from complement-mediated mesangial injury in experimental anti-Thy1.1 glomerulonephritis. *Nephrology Dialysis Transplantation*, **2015**, 30, 410-22	4.3	61
67	Perfusion of isolated rat kidney with Mesenchymal Stromal Cells/Extracellular Vesicles prevents ischaemic injury. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 3381-3393	5.6	58
66	Role of mesenchymal stem cell-derived microvesicles in tissue repair. *Pediatric Nephrology*, **2013**, 28, 2249-54	3.2	58
65	Isolation and characterization of human breast tumor-derived endothelial cells. *Oncology Reports*, **2006**, 15, 381-6	3.5	55
64	Extracellular vesicles in renal tissue damage and regeneration. *European Journal of Pharmacology*, **2016**, 790, 83-91	5.3	54
63	Circulating Exosomes Are Strongly Involved in SARS-CoV-2 Infection. *Frontiers in Molecular Biosciences*, **2021**, 8, 632290	5.6	49
62	Differentiation of mesenchymal stem cells derived from pancreatic islets and bone marrow into islet-like cell phenotype. *PLoS ONE*, **2011**, 6, e28175	3.7	47
61	Effects of mesenchymal stromal cell-derived extracellular vesicles on tumor growth. *Frontiers in Immunology*, **2014**, 5, 382	8.4	44
60	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, 913-24	4.2	44
59	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	6.6	44
58	MicroRNAs and mesenchymal stem cells. *Vitamins and Hormones*, **2011**, 87, 291-320	2.5	37
57	HLSC-Derived Extracellular Vesicles Attenuate Liver Fibrosis and Inflammation in a Murine Model of Non-alcoholic Steatohepatitis. *Molecular Therapy*, **2020**, 28, 479-489	11.7	35
56	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, 135-43	5.8	33
55	Mesenchymal Stromal Cell Derived Extracellular Vesicles Reduce Hypoxia-Ischaemia Induced Perinatal Brain Injury. *Frontiers in Physiology*, **2019**, 10, 282	4.6	32

54	Differentiation of podocyte and proximal tubule-like cells from a mouse kidney-derived stem cell line. *Stem Cells and Development*, **2012**, 21, 296-307	4.4	32
53	Role of Lefty in the anti tumor activity of human adult liver stem cells. *Oncogene*, **2013**, 32, 819-26	9.2	30
52	Role of extracellular vesicles in stem cell biology. *American Journal of Physiology - Cell Physiology*, **2019**, 317, C303-C313	5.4	28
51	Renal Regenerative Potential of Extracellular Vesicles Derived from miRNA-Engineered Mesenchymal Stromal Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	26
50	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	4	26
49	Extracellular vesicles as potential biomarkers of acute graft-vs-host disease. *Leukemia*, **2018**, 32, 765-773	10.7	25
48	Extracellular vesicles from human liver stem cells restore argininosuccinate synthase deficiency. *Stem Cell Research and Therapy*, **2017**, 8, 176	8.3	24
47	Renal cells from spermatogonial germline stem cells protect against kidney injury. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 316-28	12.7	24
46	Negative influence of IL3 on the expansion of human cord blood in vivo long-term repopulating stem cells. *Journal of Hematotherapy and Stem Cell Research*, **2000**, 9, 945-56		24
45	Mesenchymal Stem Cell Derived Extracellular Vesicles Ameliorate Kidney Injury in Aristolochic Acid Nephropathy. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 188	5.7	24
44	Mesenchymal stem cells contribute to the renal repair of acute tubular epithelial injury. *International Journal of Molecular Medicine*, **2004**, 14, 1035	4.4	23
43	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	1.9	20
42	Concise review: different mesenchymal stromal/stem cell populations reside in the adult kidney. *Stem Cells Translational Medicine*, **2014**, 3, 1451-5	6.9	19
41	Vasculogenic potential of long term repopulating cord blood progenitors. *FASEB Journal*, **2004**, 18, 1273-5	6.9	19
40	Isolation and characterization of renal cancer stem cells from patient-derived xenografts. *Oncotarget*, **2016**, 7, 15507-24	3.3	19
39	Extracellular Vesicles: A Therapeutic Option for Liver Fibrosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	18
38	Isolation and characterization of resident mesenchymal stem cells in human glomeruli. *Methods in Molecular Biology*, **2012**, 879, 367-80	1.4	18
37	Mesenchymal Stromal Cells Epithelial Transition Induced by Renal Tubular Cells-Derived Extracellular Vesicles. *PLoS ONE*, **2016**, 11, e0159163	3.7	17

36	Dissecting paracrine effectors for mesenchymal stem cells. *Advances in Biochemical Engineering/Biotechnology*, **2013**, 129, 137-52	1.7	16
35	Adipocyte-derived extracellular vesicles regulate survival and function of pancreatic β cells. *JCI Insight*, **2021**, 6,	9.9	16
34	Human Liver Stem Cells Suppress T-Cell Proliferation, NK Activity, and Dendritic Cell Differentiation. *Stem Cells International*, **2016**, 2016, 8468549	5	16
33	Expression of the c-ErbB-2/HER2 proto-oncogene in normal hematopoietic cells. *Journal of Leukocyte Biology*, **2003**, 74, 593-601	6.5	15
32	The Role of Extracellular Vesicles as Paracrine Effectors in Stem Cell-Based Therapies. *Advances in Experimental Medicine and Biology*, **2019**, 1201, 175-193	3.6	15
31	Human Liver-Derived Stem Cells Improve Fibrosis and Inflammation Associated with Nonalcoholic Steatohepatitis. *Stem Cells International*, **2019**, 2019, 6351091	5	14
30	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	7.3	12
29	Isolation and characterization of human breast tumor-derived endothelial cells. *Oncology Reports*, **2006**, 15, 381	3.5	11
28	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, 443-8	4.4	11
27	The involvement of human-nuc gene in polyploidization of K562 cell line. *Experimental Hematology*, **2000**, 28, 1432-40	3.1	11
26	Exploring mesenchymal stem cell-derived extracellular vesicles in acute kidney injury. *Methods in Molecular Biology*, **2014**, 1213, 139-45	1.4	10
25	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	5.7	10
24	Therapeutic effects of mesenchymal stem cells on renal ischemia-reperfusion injury: a matter of genetic transfer?. *Stem Cell Research and Therapy*, **2013**, 4, 55	8.3	9
23	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, 1201-12	5.8	8
22	Human Renal Normal, Tumoral, and Cancer Stem Cells Express Membrane-Bound Interleukin-15 Isoforms Displaying Different Functions. *Neoplasia*, **2015**, 17, 509-17	6.4	7
21	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	5.7	7
20	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	7.3	5
19	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,	4.9	5

18	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	5.7	4
17	Role of ncRNAs in modulation of liver fibrosis by extracellular vesicles. *ExRNA*, **2020**, 2,	4.2	3
16	Biomarkers of Acute Graft-Versus-Host Disease: Surface Antigens and Micro Rnas in Extracellular Vesicles. *Biology of Blood and Marrow Transplantation*, **2019**, 25, S232	4.7	3
15	miRNA Expression in Mesenchymal Stem Cells. *Current Pathobiology Reports*, **2014**, 2, 101-107	2	3
14	Detection of urinary podocytes by flow cytometry in idiopathic membranous nephropathy. *Scientific Reports*, **2020**, 10, 16362	4.9	3
13	Protective Role of the M-Sec-Tunneling Nanotube System in Podocytes. *Journal of the American Society of Nephrology: JASN*, **2021**, 32, 1114-1130	12.7	3
12	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	3.7	2
11	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	5.7	2
10	Stem Cell-Derived Extracellular Vesicles as Potential Therapeutic Approach for Acute Kidney Injury.. *Frontiers in Immunology*, **2022**, 13, 849891	8.4	2
9	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	8.4	1
8	Extracellular Vesicles as Potential Biomarker for Acute Graft-Versus-Host-Disease. *Blood*, **2016**, 128, 2239-2239	2.2	1
7	Reply: To PMID 22829291. *Hepatology*, **2013**, 58, 2214	11.2	
6	Pancreatic ductal transdifferentiation for □cell neogenesis. *Expert Opinion on Therapeutic Patents*, **2008**, 18, 963-967	6.8	
5	Plasmatic Extracellular Vesicles in Acute Graft-Versus-Host Disease after Haplo-Identical Allografting with Post-Transplant Cyclophosphamide. *Blood*, **2019**, 134, 598-598	2.2	
4	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 **2020**, 15, e0240335		
3	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 **2020**, 15, e0240335		
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