Marina Morigi

List of Publications by Citations

91 papers	8,064 citations	47 h-index	89 g-index
91 ext. papers	8,803 ext. citations	7.7 avg, IF	5.48 L-index

#	Paper	IF	Citations
91	Mesenchymal stem cells are renotropic, helping to repair the kidney and improve function in acute renal failure. *Journal of the American Society of Nephrology: JASN*, **2004**, 15, 1794-804	12.7	615
90	Disruption of the Ang II type 1 receptor promotes longevity in mice. *Journal of Clinical Investigation*, **2009**, 119, 524-30	15.9	374
89	Nitric oxide synthesis by cultured endothelial cells is modulated by flow conditions. *Circulation Research*, **1995**, 76, 536-43	15.7	371
88	Pretransplant infusion of mesenchymal stem cells prolongs the survival of a semiallogeneic heart transplant through the generation of regulatory T cells. *Journal of Immunology*, **2008**, 181, 3933-46	5.3	370
87	Human bone marrow mesenchymal stem cells accelerate recovery of acute renal injury and prolong survival in mice. *Stem Cells*, **2008**, 26, 2075-82	5.8	326
86	Protein overload stimulates RANTES production by proximal tubular cells depending on NF-kappa B activation. *Kidney International*, **1998**, 53, 1608-15	9.9	324
85	Leukocyte-endothelial interaction is augmented by high glucose concentrations and hyperglycemia in a NF-kB-dependent fashion. *Journal of Clinical Investigation*, **1998**, 101, 1905-15	15.9	316
84	Insulin-like growth factor-1 sustains stem cell mediated renal repair. *Journal of the American Society of Nephrology: JASN*, **2007**, 18, 2921-8	12.7	264
83	Transfer of growth factor receptor mRNA via exosomes unravels the regenerative effect of mesenchymal stem cells. *Stem Cells and Development*, **2013**, 22, 772-80	4.4	257
82	Sirtuin 3-dependent mitochondrial dynamic improvements protect against acute kidney injury. *Journal of Clinical Investigation*, **2015**, 125, 715-26	15.9	244
81	Proximal tubular cell synthesis and secretion of endothelin-1 on challenge with albumin and other proteins. *American Journal of Kidney Diseases*, **1995**, 26, 934-41	7.4	211
80	MYO1E mutations and childhood familial focal segmental glomerulosclerosis. *New England Journal of Medicine*, **2011**, 365, 295-306	59.2	195
79	Alternative pathway activation of complement by Shiga toxin promotes exuberant C3a formation that triggers microvascular thrombosis. *Journal of Immunology*, **2011**, 187, 172-80	5.3	186
78	Life-sparing effect of human cord blood-mesenchymal stem cells in experimental acute kidney injury. *Stem Cells*, **2010**, 28, 513-22	5.8	152
77	Shiga toxin-associated hemolytic uremic syndrome: pathophysiology of endothelial dysfunction. *Pediatric Nephrology*, **2010**, 25, 2231-40	3.2	137
76	Recellularization of well-preserved acellular kidney scaffold using embryonic stem cells. *Tissue Engineering - Part A*, **2014**, 20, 1486-98	3.9	134
75	Protein overload-induced NF-kappaB activation in proximal tubular cells requires H(2)O(2) through a PKC-dependent pathway. *Journal of the American Society of Nephrology: JASN*, **2002**, 13, 1179-89	12.7	133

74	In response to protein load podocytes reorganize cytoskeleton and modulate endothelin-1 gene: implication for permselective dysfunction of chronic nephropathies. *American Journal of Pathology*, **2005**, 166, 1309-20	5.8	131
73	Localization of mesenchymal stromal cells dictates their immune or proinflammatory effects in kidney transplantation. *American Journal of Transplantation*, **2012**, 12, 2373-83	8.7	126
72	Sirtuins in Renal Health and Disease. *Journal of the American Society of Nephrology: JASN*, **2018**, 29, 1799-1809	12.7	125
71	In vivo maturation of functional renal organoids formed from embryonic cell suspensions. *Journal of the American Society of Nephrology: JASN*, **2012**, 23, 1857-68	12.7	125
70	Transforming growth factor-beta1 is up-regulated by podocytes in response to excess intraglomerular passage of proteins: a central pathway in progressive glomerulosclerosis. *American Journal of Pathology*, **2002**, 161, 2179-93	5.8	116
69	Mycophenolate mofetil limits renal damage and prolongs life in murine lupus autoimmune disease. *Kidney International*, **1997**, 51, 1583-9	9.9	114
68	Kidney regeneration. *Lancet, The*, **2010**, 375, 1310-7	40	113
67	Bone marrow-derived mesenchymal stem cells improve islet graft function in diabetic rats. *Transplantation Proceedings*, **2009**, 41, 1797-800	1.1	113
66	Fluid Shear Stress Modulates von Willebrand Factor Release From Human Vascular Endothelium. *Blood*, **1997**, 90, 1558-1564	2.2	110
65	Protein overload induces fractalkine upregulation in proximal tubular cells through nuclear factor kappaB- and p38 mitogen-activated protein kinase-dependent pathways. *Journal of the American Society of Nephrology: JASN*, **2003**, 14, 2436-46	12.7	105
64	Human amniotic fluid stem cell preconditioning improves their regenerative potential. *Stem Cells and Development*, **2012**, 21, 1911-23	4.4	103
63	Shiga toxin-2 triggers endothelial leukocyte adhesion and transmigration via NF-kappaB dependent up-regulation of IL-8 and MCP-1. *Kidney International*, **2002**, 62, 846-56	9.9	94
62	Minimally manipulated whole human umbilical cord is a rich source of clinical-grade human mesenchymal stromal cells expanded in human platelet lysate. *Cytotherapy*, **2011**, 13, 786-801	4.8	93
61	A novel strategy to enhance mesenchymal stem cell migration capacity and promote tissue repair in an injury specific fashion. *Cell Transplantation*, **2013**, 22, 423-36	4	92
60	Inhibiting angiotensin-converting enzyme promotes renal repair by limiting progenitor cell proliferation and restoring the glomerular architecture. *American Journal of Pathology*, **2011**, 179, 628-38	5.8	90
59	Human mesenchymal stromal cells transplanted into mice stimulate renal tubular cells and enhance mitochondrial function. *Nature Communications*, **2017**, 8, 983	17.4	85
58	Shigatoxin-induced endothelin-1 expression in cultured podocytes autocrinally mediates actin remodeling. *American Journal of Pathology*, **2006**, 169, 1965-75	5.8	85
57	Mesenchymal stem cells and kidney repair. *Nephrology Dialysis Transplantation*, **2013**, 28, 788-93	4.3	82

56	Verotoxin-1-induced up-regulation of adhesive molecules renders microvascular endothelial cells thrombogenic at high shear stress. *Blood*, **2001**, 98, 1828-35	2.2	81
55	Permselective dysfunction of podocyte-podocyte contact upon angiotensin II unravels the molecular target for renoprotective intervention. *American Journal of Pathology*, **2006**, 168, 1073-85	5.8	74
54	Renal progenitors derived from human iPSCs engraft and restore function in a mouse model of acute kidney injury. *Scientific Reports*, **2015**, 5, 8826	4.9	72
53	Mesenchymal stem cell therapy promotes renal repair by limiting glomerular podocyte and progenitor cell dysfunction in adriamycin-induced nephropathy. *American Journal of Physiology - Renal Physiology*, **2012**, 303, F1370-81	4.3	71
52	Proteinuria and phenotypic change of proximal tubular cells. *Journal of the American Society of Nephrology: JASN*, **2003**, 14 Suppl 1, S36-41	12.7	71
51	Bindarit retards renal disease and prolongs survival in murine lupus autoimmune disease. *Kidney International*, **1998**, 53, 726-34	9.9	63
50	Effect of acetate-free biofiltration and bicarbonate hemodialysis on neutrophil activation. *American Journal of Kidney Diseases*, **2002**, 40, 783-93	7.4	57
49	SGLT2 inhibitor dapagliflozin limits podocyte damage in proteinuric nondiabetic nephropathy. *JCI Insight*, **2018**, 3,	9.9	57
48	Vascular smooth muscle cells on hyaluronic acid: culture and mechanical characterization of an engineered vascular construct. *Tissue Engineering*, **2004**, 10, 699-710		55
47	Barrestin-1 drives endothelin-1-mediated podocyte activation and sustains renal injury. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 523-33	12.7	54
46	Complement-mediated dysfunction of glomerular filtration barrier accelerates progressive renal injury. *Journal of the American Society of Nephrology: JASN*, **2008**, 19, 1158-67	12.7	54
45	The regenerative potential of stem cells in acute renal failure. *Cell Transplantation*, **2006**, 15 Suppl 1, S111-7	4	53
44	Functional Human Podocytes Generated in Organoids from Amniotic Fluid Stem Cells. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 1400-11	12.7	44
43	Mitochondrial Sirtuin 3 and Renal Diseases. *Nephron*, **2016**, 134, 14-9	3.3	44
42	Platelet activating factor (PAF) as a mediator of injury in nephrotoxic nephritis. *Kidney International*, **1987**, 31, 1248-56	9.9	43
41	Mesenchymal Stem Cells in Kidney Repair. *Methods in Molecular Biology*, **2016**, 1416, 89-107	1.4	39
40	Shiga toxin promotes podocyte injury in experimental hemolytic uremic syndrome via activation of the alternative pathway of complement. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 1786-98	12.7	39
39	Cell therapy for kidney injury: different options and mechanisms--mesenchymal and amniotic fluid stem cells. *Nephron Experimental Nephrology*, **2014**, 126, 59		38

38	Stem Cell Therapies in Kidney Diseases: Progress and Challenges. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	36
37	Effects of MCP-1 inhibition by bindarit therapy in a rat model of polycystic kidney disease. *Nephron*, **2015**, 129, 52-61	3.3	35
36	Fractalkine and CX3CR1 mediate leukocyte capture by endothelium in response to Shiga toxin. *Journal of Immunology*, **2008**, 181, 1460-9	5.3	35
35	Angiotensin II contributes to diabetic renal dysfunction in rodents and humans via Notch1/Snail pathway. *American Journal of Pathology*, **2013**, 183, 119-30	5.8	33
34	Direct reprogramming of human bone marrow stromal cells into functional renal cells using cell-free extracts. *Stem Cell Reports*, **2015**, 4, 685-98	8	25
33	Shear stress-induced cytoskeleton rearrangement mediates NF-kappaB-dependent endothelial expression of ICAM-1. *Microvascular Research*, **2000**, 60, 182-8	3.7	25
32	A Novel Method for Isolation of Pluripotent Stem Cells from Human Umbilical Cord Blood. *Stem Cells and Development*, **2017**, 26, 1258-1269	4.4	24
31	Protein load impairs factor H binding promoting complement-dependent dysfunction of proximal tubular cells. *Kidney International*, **2009**, 75, 1050-9	9.9	24
30	Cyclosporine enhances leukocyte adhesion to vascular endothelium under physiologic flow conditions. *American Journal of Kidney Diseases*, **1996**, 28, 23-31	7.4	24
29	Ticlopidine prevents renal disease progression in rats with reduced renal mass. *Kidney International*, **1990**, 37, 934-42	9.9	24
28	Xenogeneic serum promotes leukocyte-endothelium interaction under flow through two temporally distinct pathways: role of complement and nuclear factor-kappaB. *Journal of the American Society of Nephrology: JASN*, **1999**, 10, 2197-207	12.7	20
27	Shiga toxin triggers endothelial and podocyte injury: the role of complement activation. *Pediatric Nephrology*, **2019**, 34, 379-388	3.2	20
26	Therapeutic potential of stromal cells of non-renal or renal origin in experimental chronic kidney disease. *Stem Cell Research and Therapy*, **2018**, 9, 220	8.3	19
25	A previously unrecognized role of C3a in proteinuric progressive nephropathy. *Scientific Reports*, **2016**, 6, 28445	4.9	18
24	Mitochondrial-dependent Autoimmunity in Membranous Nephropathy of IgG4-related Disease. *EBioMedicine*, **2015**, 2, 456-66	8.8	17
23	Nitric oxide synthetic capacity in relation to dialysate temperature. *Blood Purification*, **2004**, 22, 203-9	3.1	17
22	C3a receptor blockade protects podocytes from injury in diabetic nephropathy. *JCI Insight*, **2020**, 5,	9.9	17
21	Renal primordia activate kidney regenerative events in a rat model of progressive renal disease. *PLoS ONE*, **2015**, 10, e0120235	3.7	14

20	Sirtuin3 Dysfunction Is the Key Determinant of Skeletal Muscle Insulin Resistance by Angiotensin II. *PLoS ONE*, **2015**, 10, e0127172	3.7	13
19	Activation of porcine endothelium in response to xenogeneic serum causes thrombosis independently of platelet activation. *Xenotransplantation*, **2005**, 12, 110-20	2.8	13
18	Xenogeneic human serum promotes leukocyte adhesion to porcine endothelium under flow conditions, possibly through the activation of the transcription factor NF-kappa B. *Xenotransplantation*, **1998**, 5, 57-60	2.8	12
17	Influence of donor age on bovine pancreatic islet isolation. *Transplantation*, **2000**, 70, 1032-7	1.8	12
16	Complement Activation Contributes to the Pathophysiology of Shiga Toxin-Associated Hemolytic Uremic Syndrome. *Microorganisms*, **2019**, 7,	4.9	12
15	Potential of mesenchymal stem cells in the repair of tubular injury. *Kidney International Supplements*, **2011**, 1, 90-93	6.3	11
14	Embryonic stem cells, derived either after in vitro fertilization or nuclear transfer, prolong survival of semiallogeneic heart transplants. *Journal of Immunology*, **2011**, 186, 4164-74	5.3	8
13	Shiga-toxin-induced firm adhesion of human leukocytes to endothelium is in part mediated by heparan sulfate. *Nephrology Dialysis Transplantation*, **2008**, 23, 3091-5	4.3	7
12	SARS-CoV-2 Spike Protein 1 Activates Microvascular Endothelial Cells and Complement System Leading to Platelet Aggregation.. *Frontiers in Immunology*, **2022**, 13, 827146	8.4	7
11	Identification of a novel gene--SSK1--in human endothelial cells exposed to shear stress. *Biochemical and Biophysical Research Communications*, **1998**, 246, 881-7	3.4	6
10	Fluid Shear Stress Modulates von Willebrand Factor Release From Human Vascular Endothelium. *Blood*, **1997**, 90, 1558-1564	2.2	5
9	Genetics of rare diseases of the kidney: learning from mouse models. *Cytogenetic and Genome Research*, **2004**, 105, 479-84	1.9	4
8	Turnour necrosis factor stimulates endothelin-1 gene expression in cultured bovine endothelial cells. *Mediators of Inflammation*, **1992**, 1, 263-6	4.3	4
7	SARS-CoV-2 Spike Protein 1 Activates Microvascular Endothelial Cells and Complement System Leading to Thrombus Formation. *SSRN Electronic Journal*,	1	1
6	Post-translational modifications by SIRT3 de-2-hydroxyisobutyrylase activity regulate glycolysis and enable nephrogenesis. *Scientific Reports*, **2021**, 11, 23580	4.9	1
5	Shiga Toxin 2 Triggers C3a-Dependent Glomerular and Tubular Injury through Mitochondrial Dysfunction in Hemolytic Uremic Syndrome. *Cells*, **2022**, 11, 1755	7.9	1
4	Bone Marrow Mesenchymal Stem Cells in Organ Repair and Strategies to Optimize their Efficacy **2011**, 299-312		0
3	Mesenchymal Stromal Cells for Acute Renal Injury **2017**, 1085-1095		

2 Mesenchymal Stem Cells and Their Use in Acute Renal Injury **2009**, 216-220

1 Protective Effects of Human Nonrenal and Renal Stromal Cells and Their Conditioned Media in a Rat Model of Chronic Kidney Disease. *Cell Transplantation*, **2020**, 29, 963689720965467 4