

Patrick C Baer

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57
papers

2,112
citations

23
h-index

45
g-index

64
ext. papers

2,402
ext. citations

4.9
avg, IF

5.25
L-index

#	Paper	IF	Citations
57	Adipose-derived mesenchymal stromal/stem cells: tissue localization, characterization, and heterogeneity. <i>Stem Cells International</i> , 2012 , 2012, 812693	5	302
56	Epithelial differentiation of human adipose tissue-derived adult stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 330, 142-50	3.4	226
55	Ribavirin and interferon-beta synergistically inhibit SARS-associated coronavirus replication in animal and human cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 326, 905-8	3.4	176
54	Adipose-derived mesenchymal stromal/stem cells: An update on their phenotype in vivo and in vitro. <i>World Journal of Stem Cells</i> , 2014 , 6, 256-65	5.6	117
53	Effects of mycophenolic acid on IL-6 expression of human renal proximal and distal tubular cells in vitro. <i>Nephrology Dialysis Transplantation</i> , 2004 , 19, 47-52	4.3	101
52	Sputum biomarker profiles in cystic fibrosis (CF) and chronic obstructive pulmonary disease (COPD) and association between pulmonary function. <i>Cytokine</i> , 2010 , 50, 152-7	4	86
51	Isolation of proximal and distal tubule cells from human kidney by immunomagnetic separation. Technical note. <i>Kidney International</i> , 1997 , 52, 1321-31	9.9	82
50	Comprehensive phenotypic characterization of human adipose-derived stromal/stem cells and their subsets by a high throughput technology. <i>Stem Cells and Development</i> , 2013 , 22, 330-9	4.4	76
49	Mesenchymal Stem/Stromal Cells in Regenerative Medicine: Can Preconditioning Strategies Improve Therapeutic Efficacy?. <i>Transfusion Medicine and Hemotherapy</i> , 2016 , 43, 256-267	4.2	75
48	Human adipose-derived mesenchymal stem cells in vitro: evaluation of an optimal expansion medium preserving stemness. <i>Cytotherapy</i> , 2010 , 12, 96-106	4.8	72
47	Adipose-derived stem cells and their potential to differentiate into the epithelial lineage. <i>Stem Cells and Development</i> , 2011 , 20, 1805-16	4.4	65
46	Conditioned medium from renal tubular epithelial cells initiates differentiation of human mesenchymal stem cells. <i>Cell Proliferation</i> , 2009 , 42, 29-37	7.9	54
45	A simple modification of the separation method reduces heterogeneity of adipose-derived stem cells. <i>Cells Tissues Organs</i> , 2010 , 192, 106-15	2.1	40
44	Characterization of CXCL16 and ADAM10 in the normal and transplanted kidney. <i>Kidney International</i> , 2008 , 74, 328-38	9.9	39
43	Oxidative stress-driven pulmonary inflammation and fibrosis in a mouse model of human ataxia-telangiectasia. <i>Redox Biology</i> , 2018 , 14, 645-655	11.3	38
42	Differentiation status of human renal proximal and distal tubular epithelial cells in vitro: Differential expression of characteristic markers. <i>Cells Tissues Organs</i> , 2006 , 184, 16-22	2.1	37
41	Expression of a functional epidermal growth factor receptor on human adipose-derived mesenchymal stem cells and its signaling mechanism. <i>European Journal of Cell Biology</i> , 2009 , 88, 273-83	6.1	34

40	Bactericidal activity of renal tubular cells: the putative role of human beta-defensins. <i>Nephron Experimental Nephrology</i> , 2002 , 10, 332-7		31
39	Short-term preconditioning enhances the therapeutic potential of adipose-derived stromal/stem cell-conditioned medium in cisplatin-induced acute kidney injury. <i>Experimental Cell Research</i> , 2016 , 342, 175-83	4.2	29
38	Mesenchymal stem cell interactions with growth factors on kidney repair. <i>Current Opinion in Nephrology and Hypertension</i> , 2010 , 19, 1-6	3.5	28
37	Effects of mycophenolic acid on human renal proximal and distal tubular cells in vitro. <i>Nephrology Dialysis Transplantation</i> , 2000 , 15, 184-90	4.3	27
36	Transdifferentiation of distal but not proximal tubular epithelial cells from human kidney in culture. <i>Nephron Experimental Nephrology</i> , 1999 , 7, 306-13		26
35	The early activation of toll-like receptor (TLR)-3 initiates kidney injury after ischemia and reperfusion. <i>PLoS ONE</i> , 2014 , 9, e94366	3.7	24
34	Induction of RANTES, HLA-DR, and intercellular adhesion molecule-1 on highly purified distal tubular cells from human kidney. <i>Transplantation</i> , 2000 , 69, 2456-9	1.8	23
33	Human Mesenchymal Stromal Cells Are Resistant to SARS-CoV-2 Infection under Steady-State, Inflammatory Conditions and in the Presence of SARS-CoV-2-Infected Cells. <i>Stem Cell Reports</i> , 2021 , 16, 419-427	8	23
32	New insights into epithelial differentiation of human adipose-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013 , 7, 271-8	4.4	21
31	Epithelial differentiation of human adipose-derived stem cells. <i>Methods in Molecular Biology</i> , 2011 , 702, 289-98	1.4	21
30	Lectin Affinity Plasmapheresis for Middle East Respiratory Syndrome-Coronavirus and Marburg Virus Glycoprotein Elimination. <i>Blood Purification</i> , 2018 , 46, 126-133	3.1	19
29	The iron load of lipocalin-2 (LCN-2) defines its pro-tumour function in clear-cell renal cell carcinoma. <i>British Journal of Cancer</i> , 2020 , 122, 421-433	8.7	18
28	Isolation, Characterization, Differentiation and Immunomodulatory Capacity of Mesenchymal Stromal/Stem Cells from Human Perirenal Adipose Tissue. <i>Cells</i> , 2019 , 8,	7.9	17
27	Simultaneous detection of ERK-, p38-, and JNK-MAPK phosphorylation in human adipose-derived stem cells using the Cytometric Bead Array technology. <i>Journal of Immunological Methods</i> , 2009 , 350, 200-4	2.5	16
26	Human renal cells from the thick ascending limb and early distal tubule: characterization of primary isolated and cultured cells by reverse transcription polymerase chain reaction. <i>Nephrology</i> , 2008 , 13, 316-21	2.2	14
25	The Disturbed Iron Phenotype of Tumor Cells and Macrophages in Renal Cell Carcinoma Influences Tumor Growth. <i>Cancers</i> , 2020 , 12,	6.6	13
24	During epithelial differentiation of human adipose-derived stromal/stem cells, expression of zonula occludens protein-1 is induced by a combination of retinoic acid, activin-A and bone morphogenetic protein-7. <i>Cytotherapy</i> , 2012 , 14, 61-9	4.8	12
23	Caspofungin is less nephrotoxic than amphotericin B in vitro and predominantly damages distal renal tubular cells. <i>Nephrology Dialysis Transplantation</i> , 2005 , 20, 2071-9	4.3	12

22	Altered expression of beta1 integrins in renal carcinoma cell lines exposed to the differentiation inducer valproic acid. <i>International Journal of Molecular Medicine</i> , 2006 , 18, 347-54	4.4	12
21	Tracking of Adipose-Derived Mesenchymal Stromal/Stem Cells in a Model of Cisplatin-Induced Acute Kidney Injury: Comparison of Bioluminescence Imaging versus qRT-PCR. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
20	Epithelial cells in culture: injured or differentiated cells?. <i>Cell Biology International</i> , 2012 , 36, 771-7	4.5	10
19	CC-chemokine RANTES is increased in serum and urine in the early post-transplantation period of human renal allograft recipients. <i>Kidney and Blood Pressure Research</i> , 2005 , 28, 48-54	3.1	10
18	The Thrombopoietin Receptor Agonist Eltrombopag Inhibits Human Cytomegalovirus Replication Via Iron Chelation. <i>Cells</i> , 2019 , 9,	7.9	10
17	Different effects of growth factors on human renal early distal tubular cells in vitro. <i>Kidney and Blood Pressure Research</i> , 2006 , 29, 225-30	3.1	8
16	Hematopoietic Stem Cell Transplantation Restores Naïve T-Cell Populations in -Deficient Mice and in Preemptively Treated Patients With Ataxia-Telangiectasia. <i>Frontiers in Immunology</i> , 2019 , 10, 2785	8.4	8
15	Macrophage-secreted Lipocalin-2 Promotes Regeneration of Injured Primary Murine Renal Tubular Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
14	Effect of Different Preconditioning Regimens on the Expression Profile of Murine Adipose-Derived Stromal/Stem Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	7
13	Respiration rate in human primary renal proximal and early distal tubular cells in vitro: considerations for biohybrid renal devices. <i>Biotechnology Progress</i> , 2011 , 27, 262-8	2.8	7
12	Systemic TLR2 Antibody Application in Renal Ischaemia and Reperfusion Injury Decreases AKT Phosphorylation and Increases Apoptosis in the Mouse Kidney. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018 , 122, 223-232	3.1	5
11	Tracking of Infused Mesenchymal Stem Cells in Injured Pulmonary Tissue in -Deficient Mice. <i>Cells</i> , 2020 , 9,	7.9	4
10	Reactive oxygen species abrogate the anticarcinogenic effect of eicosapentaenoic acid in Atm-deficient mice. <i>Nutrition and Cancer</i> , 2010 , 62, 584-92	2.8	3
9	No Cytotoxic and Inflammatory Effects of Empagliflozin and Dapagliflozin on Primary Renal Proximal Tubular Epithelial Cells under Diabetic Conditions In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
8	The Fibrin Cleavage Product B β Channels Endothelial and Tubular Regeneration in the Post-acute Course During Murine Renal Ischemia Reperfusion Injury. <i>Frontiers in Pharmacology</i> , 2018 , 9, 369	5.6	1
7	Artesunate Inhibits the Growth Behavior of Docetaxel-Resistant Prostate Cancer Cells.. <i>Frontiers in Oncology</i> , 2022 , 12, 789284	5.3	1
6	Characterization of Extracellular Vesicles from Preconditioned Human Adipose-Derived Stromal/Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
5	Preconditioning of Human Adipose-derived Stromal/Stem Cells: Evaluation of Short-term Preincubation Regimens to Enhance their Regenerative Potential. <i>Journal of Stem Cell Research & Therapy</i> , 2016 , 06,	1	1

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- 3 Adipose-derived Stromal/Stem Cells and Their Differentiation Potential into the Endothelial Lineage **2014**, 53-70
- 2 Extracellular Vesicles Derived from Mesenchymal Stem/Stromal Cells: Current Approaches to Enhance Their Release and Therapeutic Potential **2019**, 101-111
- 1 Survival and Functional Immune Reconstitution After Haploidentical Stem Cell Transplantation in -Deficient Mice. *Frontiers in Immunology*, **2021**, 12, 693897 8.4