

# Julie Audet

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	3,452 citations	17 h-index	38 g-index
38 ext. papers	4,072 ext. citations	8.6 avg, IF	5.33 L-index

#	Paper	IF	Citations
36	Combinatorial extracellular matrix microarray identifies novel bioengineered substrates for xeno-free culture of human pluripotent stem cells. <i>Biomaterials</i> , <b>2020</b> , 248, 120017	15.6	16
35	Supervised Learning and Mass Spectrometry Predicts the Fate of Nanomaterials. <i>ACS Nano</i> , <b>2019</b> , 13, 8023-8034	16.7	56
34	Establishment of an erythroid progenitor cell line capable of enucleation achieved with an inducible c-Myc vector. <i>BMC Biotechnology</i> , <b>2019</b> , 19, 21	3.5	4
33	On-demand serum-free media formulations for human hematopoietic cell expansion using a high dimensional search algorithm. <i>Communications Biology</i> , <b>2019</b> , 2, 48	6.7	2
32	Synthesis of Patient-Specific Nanomaterials. <i>Nano Letters</i> , <b>2019</b> , 19, 116-123	11.5	26
31	Fibroblast growth factor receptor 5 (FGFR5) is a co-receptor for FGFR1 that is up-regulated in beta-cells by cytokine-induced inflammation. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 17218-17228	5.4	19
30	Analysis of nanoparticle delivery to tumours. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	2438
29	Automated digital microfluidic platform for magnetic-particle-based immunoassays with optimization by design of experiments. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 9638-46	7.8	109
28	Biochemical measurements on single erythroid progenitor cells shed light on the combinatorial regulation of red blood cell production. <i>Molecular BioSystems</i> , <b>2013</b> , 9, 234-45		3
27	Identification of enzyme-converted peptide products from single cells using capillary electrophoresis and liquid chromatography-mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2012</b> , 853, 17-28	1.4	1
26	Measurement of generation-dependent proliferation rates and death rates during mouse erythroid progenitor cell differentiation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2012</b> , 81, 382-9	4.6	11
25	Inhibition of glycogen synthase kinase-3 enhances the differentiation and reduces the proliferation of adult human olfactory epithelium neural precursors. <i>Experimental Cell Research</i> , <b>2011</b> , 317, 2086-98	4.2	14
24	Single amino acid resolution of proteolytic fragments generated in individual cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2010</b> , 77, 347-55	4.6	16
23	Adventures in time and space: Nonlinearity and complexity of cytokine effects on stem cell fate decisions. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 106, 173-82	4.9	9
22	Selective enhancement of the uptake and bioactivity of a TAT-conjugated peptide inhibitor of glycogen synthase kinase-3. <i>Molecular Therapy</i> , <b>2009</b> , 17, 500-7	11.7	11
21	Measurement of cell-penetrating peptide-mediated transduction of adult hematopoietic stem cells. <i>Methods in Molecular Biology</i> , <b>2009</b> , 482, 43-54	1.4	1
20	Single-Cell Approaches to Dissect Cellular Signaling Networks <b>2009</b> , 337-345		

19	Current techniques for single-cell lysis. <i>Journal of the Royal Society Interface</i> , <b>2008</b> , 5 Suppl 2, S131-8	4.1	153
18	Synergy between erythropoietin and stem cell factor during erythropoiesis can be quantitatively described without co-signaling effects. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 99, 1261-72	4.9	16
17	Sampling efficiency of a single-cell capillary electrophoresis system. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2007</b> , 71, 882-8	4.6	9
16	Flow cytometric screening of cell-penetrating peptides for their uptake into embryonic and adult stem cells. <i>Analytical Biochemistry</i> , <b>2007</b> , 364, 51-9	3.1	32
15	Stem cell bioengineering for regenerative medicine. <i>Expert Opinion on Biological Therapy</i> , <b>2004</b> , 4, 631-44	3.4	12
14	Common and distinct features of cytokine effects on hematopoietic stem and progenitor cells revealed by dose-response surface analysis. <i>Biotechnology and Bioengineering</i> , <b>2002</b> , 80, 393-404	4.9	78
13	Ex vivo expansion of human and murine hematopoietic stem cells. <i>Methods in Molecular Medicine</i> , <b>2002</b> , 63, 189-208		3
12	Characterization of human hematopoietic cells with short-lived in vivo repopulating activity. <i>Annals of the New York Academy of Sciences</i> , <b>2001</b> , 938, 63-70; discussion 70-1	6.5	15
11	Modeling of Hematopoietic Stem Cell Response to Cytokines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 65-68		0
10	Cell cycle distribution of primitive haematopoietic cells stimulated in vitro and in vivo. <i>Cell Proliferation</i> , <b>2001</b> , 34, 321-30	7.9	14
9	Distinct role of gp130 activation in promoting self-renewal divisions by mitogenically stimulated murine hematopoietic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 1757-62	11.5	113
8	High-resolution tracking of cell division suggests similar cell cycle kinetics of hematopoietic stem cells stimulated in vitro and in vivo. <i>Blood</i> , <b>2000</b> , 95, 855-862	2.2	92
7	High-resolution tracking of cell division suggests similar cell cycle kinetics of hematopoietic stem cells stimulated in vitro and in vivo. <i>Blood</i> , <b>2000</b> , 95, 855-62	2.2	20
6	Introduction to stem cell biology in vitro. Threshold to the future. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 872, 1-8	6.5	33
5	Polysaccharide production: Experimental comparison of the performance of four mixing devices. <i>Bioprocess and Biosystems Engineering</i> , <b>1998</b> , 19, 45		22
4	Advances in hematopoietic stem cell culture. <i>Current Opinion in Biotechnology</i> , <b>1998</b> , 9, 146-51	11.4	31
3	Polysaccharide concentration and molecular weight effects on the oxygen mass transfer in a reciprocating plate bioreactor. <i>Biotechnology and Bioengineering</i> , <b>1996</b> , 52, 507-17	4.9	5
2	Pullulan fermentation in a reciprocating plate bioreactor. <i>Bioprocess and Biosystems Engineering</i> , <b>1996</b> , 15, 209-214		26

- 1 Description and evaluation of reciprocating plate bioreactors. *Bioprocess and Biosystems Engineering*, **1995**, 13, 1-11

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