Nicolas Mermod

List of Publications by Year
in descending order

38 papers	1,220 citations	430874 18 h-index	377865 34 g-index
39 all docs	39 docs citations	39 times ranked	1556 citing authors

#	Article	IF	Citations
1	Rheological properties of skeletal muscles in a Duchenne muscular dystrophy murine model before and after autologous cell therapy. Journal of Biomechanics, 2021, 128, 110770.	2.1	4
2	PiggyBac transposase and transposon derivatives for gene transfer targeting the ribosomal DNA loci of CHO cells. Journal of Biotechnology, 2021, 341, 103-112.	3.8	4
3	Characterization and mutagenesis of Chinese hamster ovary cells endogenous retroviruses to inactivate viral particle release. Biotechnology and Bioengineering, 2020, 117, 466-485.	3.3	8
4	Genomeâ€wide analysis of single nucleotide variants allows for robust and accurate assessment of clonal derivation in cell lines used to produce biologics. Biotechnology and Bioengineering, 2020, 117, 3628-3638.	3.3	2
5	Front Cover Image, Volume 117, Number 2, February 2020. Biotechnology and Bioengineering, 2020, 117, i.	3.3	0
6	Influence of cytoskeleton organization on recombinant protein expression by CHO cells. Biotechnology and Bioengineering, 2020, 117, 1117-1126.	3.3	14
7	Overexpression of transcription factor Foxa1 and target genes remediate therapeutic protein production bottlenecks in Chinese hamster ovary cells. Biotechnology and Bioengineering, 2020, 117, 1101-1116.	3.3	28
8	Transient vitamin B5 starving improves mammalian cell homeostasis and protein production. Metabolic Engineering, 2020, 60, 77-86.	7.0	13
9	Back Cover Image, Volume 117, Number 12, December 2020. Biotechnology and Bioengineering, 2020, 117, iii.	3.3	0
10	Characterization of mesoangioblast cell fate and improved promyogenic potential of a satellite cell-like subpopulation upon transplantation in dystrophic murine muscles. Stem Cell Research, 2019, 41, 101619.	0.7	1
11	A role for alternative end-joining factors in homologous recombination and genome editing in Chinese hamster ovary cells. DNA Repair, 2019, 82, 102691.	2.8	16
12	Autologous Cell Therapy Approach for Duchenne Muscular Dystrophy using PiggyBac Transposons and Mesoangioblasts. Molecular Therapy, 2018, 26, 1093-1108.	8.2	23
13	Automated microfluidic sorting of mammalian cells labeled with magnetic microparticles for those that efficiently express and secrete a protein of interest. Biotechnology and Bioengineering, 2017, 114, 1791-1802.	3.3	8
14	MARâ€Mediated transgene integration into permissive chromatin and increased expression by recombination pathway engineering. Biotechnology and Bioengineering, 2017, 114, 384-396.	3.3	23
15	Assays for DNA double-strand break repair by microhomology-based end-joining repair mechanisms. Nucleic Acids Research, 2016, 44, e56-e56.	14.5	30
16	Epigenetic regulatory elements: Recent advances in understanding their mode of action and use for recombinant protein production in mammalian cells. Biotechnology Journal, 2015, 10, 967-978.	3.5	28
17	Nuclear Factor Iâ€C acts as a regulator of hepatocyte proliferation at the onset of liver regeneration. Liver International, 2015, 35, 1185-1194.	3.9	10
18	A role for homologous recombination proteins in cell cycle regulation. Cell Cycle, 2015, 14, 2853-2861.	2.6	20

#	Article	IF	Citations
19	A PiggyBac-mediated approach for muscle gene transfer or cell therapy. Stem Cell Research, 2014, 13, 390-403.	0.7	12
20	Extracellular matrilin-2 deposition controls the myogenic program timing during muscle regeneration. Journal of Cell Science, 2014, 127, 3240-56.	2.0	19
21	Epigenetic regulatory elements associate with specific histone modifications to prevent silencing of telomeric genes. Nucleic Acids Research, 2014, 42, 193-204.	14.5	38
22	Gene expression changes in chronic inflammatory demyelinating polyneuropathy skin biopsies. Journal of Neuroimmunology, 2014, 270, 61-66.	2.3	8
23	CHO cell engineering to prevent polypeptide aggregation and improve therapeutic protein secretion. Metabolic Engineering, 2014, 21, 91-102.	7.0	134
24	MAR-mediated integration of plasmid vectors for in vivo gene transfer and regulation. BMC Molecular Biology, 2013, 14, 26.	3.0	10
25	MAR Elements and Transposons for Improved Transgene Integration and Expression. PLoS ONE, 2013, 8, e62784.	2.5	32
26	Molecular Characterization of a Human Matrix Attachment Region Epigenetic Regulator. PLoS ONE, 2013, 8, e79262.	2.5	34
27	Using Matrix Attachment Regions to Improve Recombinant Protein Production. Methods in Molecular Biology, 2012, 801, 93-110.	0.9	25
28	Protein-Binding Microarray Analysis of Tumor Suppressor AP2Î± Target Gene Specificity. PLoS ONE, 2011, 6, e22895.	2.5	5
29	High-level transgene expression by homologous recombination-mediated gene transfer. Nucleic Acids Research, 2011, 39, e104-e104.	14.5	47
30	Identification of a potent MAR element from the mouse genome and assessment of its activity in stable and transient transfections. Journal of Biotechnology, 2011, 154, 11-20.	3.8	36
31	Stochastic Models and Numerical Algorithms for a Class ofÂRegulatory Gene Networks. Bulletin of Mathematical Biology, 2009, 71, 1394-1431.	1.9	6
32	Statistical significance of quantitative PCR. BMC Bioinformatics, 2007, 8, 131.	2.6	295
33	Use of the chicken lysozyme 5â€² matrix attachment region to generate high producer CHO cell lines. Biotechnology and Bioengineering, 2005, 91, 1-11.	3.3	108
34	Upregulation of vasopressin V1A receptor mRNA and protein in vascular smooth muscle cells following cyclosporin A treatment. British Journal of Pharmacology, 2001, 132, 909-917.	5.4	28
35	A regulatory network for the efficient control of transgene expression. Journal of Gene Medicine, 2000, 2, 107-116.	2.8	42
36	CHO expression of a novel human recombinant IgG1 antiâ€RhD antibody isolated by phage display. British Journal of Haematology, 2000, 111, 157-166.	2.5	7

#	Article	IF	Citations
37	A regulatory network for the efficient control of transgene expression. Journal of Gene Medicine, 2000, 2, 107-116.	2.8	1
38	Transforming growth factor-?: The breaking open of a black box. BioEssays, 1997, 19, 581-591.	2.5	101