Sylvain L GuÃ©rin

List of Publications by Year
in descending order

54 papers	1,733 citations	393982 19 h-index	344852 36 g-index
54 all docs	54 docs citations	54 times ranked	1535 citing authors

#	Article	IF	Citations
1	Reconstructed Human Cornea Produced in vitro by Tissue Engineering. Pathobiology, 1999, 67, 140-147.	1.9	176
2	An Improved CAT Assay for Promoter Analysis in Either Transgenic Mice or Tissue Culture Cells. DNA and Cell Biology, 1992, 11, 83-90.	0.9	171
3	Can we produce a human corneal equivalent by tissue engineering?. Progress in Retinal and Eye Research, 2000, 19, 497-527.	7.3	117
4	Reconstruction of a human cornea by the self-assembly approach of tissue engineering using the three native cell types. Molecular Vision, 2010, 16, 2192-201.	1.1	73
5	Characterization of Wound Reepithelialization Using a New Human Tissue-Engineered Corneal Wound Healing Model. , 2008, 49, 1376.		70
6	Impact of Cell Source on Human Cornea Reconstructed by Tissue Engineering. , 2009, 50, 2645.		70
7	Irradiated Human Dermal Fibroblasts Are as Efficient as Mouse Fibroblasts as a Feeder Layer to Improve Human Epidermal Cell Culture Lifespan. International Journal of Molecular Sciences, 2013, 14, 4684-4704.	1.8	63
8	Regulation of poly(ADP-ribose) polymerase-1 (PARP-1) gene expression through the post-translational modification of Sp1: a nuclear target protein of PARP-1. BMC Molecular Biology, 2007, 8, 96.	3.0	59
9	Transcriptional regulation of the cyclin-dependent kinase inhibitor 1A (p21) gene by NFI in proliferating human cells. Nucleic Acids Research, 2006, 34, 6472-6487.	6.5	57
10	Expression of the Î±5 Integrin Subunit Gene Promoter Is Positively Regulated by the Extracellular Matrix Component Fibronectin through the Transcription Factor Sp1 in Corneal Epithelial Cells in Vitro. Journal of Biological Chemistry, 2000, 275, 39182-39192.	1.6	51
11	The tissue-engineered human cornea as a model to study expression of matrix metalloproteinases during corneal wound healing. Biomaterials, 2016, 78, 86-101.	5.7	50
12	Influence of Sp1/Sp3 Expression on Corneal Epithelial Cells Proliferation and Differentiation Properties in Reconstructed Tissues. , 2003, 44, 1447.		48
13	Regulation of the Integrin Subunit Î±5 Gene Promoter by the Transcription Factors Sp1/Sp3 Is Influenced by the Cell Density in Rabbit Corneal Epithelial Cells. , 2003, 44, 3742.		39
14	Synthesis of Ultrastable Gold Nanoparticles as a New Drug Delivery System. Molecules, 2019, 24, 2929.	1.7	38
15	Electrophoretic Mobility Shift Assays for the Analysis of DNA-Protein Interactions. Methods in Molecular Biology, 2009, 543, 15-35.	0.4	37
16	The Feeder layer-mediated extended lifetime of cultured human skin keratinocytes is associated with altered levels of the transcription factors Sp1 and Sp3. Journal of Cellular Physiology, 2006, 206, 831-842.	2.0	36
17	Effects of Long-term Serial Passaging on the Characteristics and Properties of Cell Lines Derived From Uveal Melanoma Primary Tumors. , 2016, 57, 5288.		36
18	Control of integrin genes expression in the eye. Progress in Retinal and Eye Research, 2007, 26, 99-161.	7.3	35

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19	Nuclear Factor 1 Interferes with Sp1 Binding through a Composite Element on the Rat Poly(ADP-ribose) Polymerase Promoter to Modulate Its Activity in Vitro. Journal of Biological Chemistry, 2001, 276, 20766-20773.	1.6	34
20	Laminin Reduces Expression of the Human Î±6 Integrin Subunit Gene by Altering the Level of the Transcription Factors Sp1 and Sp3. , 2007, 48, 3490.		32
21	Tissue engineering of skin and cornea. Annals of the New York Academy of Sciences, 2010, 1197, 166-177.	1.8	31
22	Differential Binding of the Transcription Factors Sp1, AP-1, and NFI to the Promoter of the Human Î±5 Integrin Gene Dictates Its Transcriptional Activity. , 2009, 50, 57.		27
23	Transcriptome Profiling Analyses in Psoriasis: A Dynamic Contribution of Keratinocytes to the Pathogenesis. Genes, 2020, 11, 1155.	1.0	27
24	The Human Tissue-Engineered Cornea (hTEC): Recent Progress. International Journal of Molecular Sciences, 2021, 22, 1291.	1.8	27
25	Moyamoya Disease Susceptibility Gene <i>RNF213</i> Regulates Endothelial Barrier Function. Stroke, 2022, 53, 1263-1275.	1.0	26
26	Suppression of Î±5 gene expression is closely related to the tumorigenic properties of uveal melanoma cell lines. Pigment Cell and Melanoma Research, 2011, 24, 643-655.	1.5	19
27	The Tissue-Engineered Human Psoriatic Skin Substitute: A Valuable In Vitro Model to Identify Genes with Altered Expression in Lesional Psoriasis. International Journal of Molecular Sciences, 2018, 19, 2923.	1.8	19
28	Enhanced wound healing of tissue-engineered human corneas through altered phosphorylation of the CREB and AKT signal transduction pathways. Acta Biomaterialia, 2018, 73, 312-325.	4.1	18
29	Investigation of Omega-3 Polyunsaturated Fatty Acid Biological Activity in a Tissue-Engineered Skin Model Involving Psoriatic Cells. Journal of Investigative Dermatology, 2021, 141, 2391-2401.e13.	0.3	18
30	Altered Expression of the Poly(ADP-Ribosyl)ation Enzymes in Uveal Melanoma and Regulation of<i>PARG</i>Gene Expression by the Transcription Factor ERM. , 2012, 53, 6219.		17
31	Tissue-engineered human psoriatic skin supplemented with cytokines as an <i>inÂvitro</i> model to study plaque psoriasis. Regenerative Medicine, 2016, 11, 545-557.	0.8	17
32	The Rat Growth Hormone and Human Cellular Retinol Binding Protein 1 Genes Share Homologous NF1-Like Binding Sites That Exert Either Positive or Negative Influences on Gene ExpressionIn Vitro. DNA and Cell Biology, 1997, 16, 951-967.	0.9	16
33	Transcriptional Regulation of the Human Î±6 Integrin Gene by the Transcription Factor NFI during Corneal Wound Healing. , 2008, 49, 3758.		15
34	Development of a 3D psoriatic skin model optimized for infiltration of IL-17A producing T cells: Focus on the crosstalk between T cells and psoriatic keratinocytes. Acta Biomaterialia, 2021, 136, 210-222.	4.1	15
35	Expression of the rat growth-hormone gene is under the influence of a cell-type-specific silencer element. FEBS Journal, 1993, 213, 399-404.	0.2	13
36	Expression of the Î±5 integrin gene in corneal epithelial cells cultured on tissue-engineered human extracellular matrices. Biomaterials, 2013, 34, 6367-6376.	5.7	13

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37	Rescue of the Transcription Factors Sp1 and NFI in Human Skin Keratinocytes through a Feeder-Layer-Dependent Suppression of the Proteasome Activity. Journal of Molecular Biology, 2012, 418, 281-299.	2.0	12
38	Transcription of the Human 5-Hydroxytryptamine Receptor 2B (HTR2B) Gene Is under the Regulatory Influence of the Transcription Factors NFI and RUNX1 in Human Uveal Melanoma. International Journal of Molecular Sciences, 2018, 19, 3272.	1.8	12
39	Analysis of the proteasome activity and the turnover of the serotonin receptor 2B (HTR2B) in human uveal melanoma. Experimental Eye Research, 2019, 184, 72-77.	1.2	12
40	Members of the Nuclear Factor 1 Family Reduce the Transcriptional Potential of the Nuclear Receptor LXRÎ± Promoter. Biochemical and Biophysical Research Communications, 2001, 289, 1262-1267.	1.0	11
41	Grafting of an autologous tissue-engineered human corneal epithelium to a patient with limbal stem cell deficiency (LSCD). American Journal of Ophthalmology Case Reports, 2019, 15, 100532.	0.4	11
42	Contribution of the WNK1 kinase to corneal wound healing using the tissueâ€engineered human cornea as an in vitro model. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 1595-1608.	1.3	10
43	A Tissue-Engineered Corneal Wound Healing Model for the Characterization of Reepithelialization. Methods in Molecular Biology, 2013, 1037, 59-78.	0.4	8
44	Characterization of the human Î±9 integrin subunit gene: Promoter analysis and transcriptional regulation in ocular cells. Experimental Eye Research, 2015, 135, 146-163.	1.2	7
45	Functional Impact of Collagens on the Activity Directed by the Promoter of theÎ±5Integrin Subunit Gene in Corneal Epithelial Cells. , 2015, 56, 6217.		6
46	Irradiated Human Fibroblasts as a Substitute Feeder Layer to Irradiated Mouse 3T3 for the Culture of Human Corneal Epithelial Cells: Impact on the Stability of the Transcription Factors Sp1 and NFI. International Journal of Molecular Sciences, 2019, 20, 6296.	1.8	6
47	Contribution of the STAT Family of Transcription Factors to the Expression of the Serotonin 2B (HTR2B) Receptor in Human Uveal Melanoma. International Journal of Molecular Sciences, 2022, 23, 1564.	1.8	6
48	Contribution of Sp1 to Telomerase Expression and Activity in Skin Keratinocytes Cultured With a Feeder Layer. Journal of Cellular Physiology, 2015, 230, 308-317.	2.0	5
49	The presence of a feeder layer improves human corneal endothelial cell proliferation by altering the expression of the transcription factors Sp1 and NFI. Experimental Eye Research, 2018, 176, 161-173.	1.2	5
50	Contribution of the Transcription Factors Sp1/Sp3 and AP-1 to Clusterin Gene Expression during Corneal Wound Healing of Tissue-Engineered Human Corneas. International Journal of Molecular Sciences, 2021, 22, 12426.	1.8	5
51	Qualitatively Monitoring Binding and Expression of the Transcription Factors Sp1 and NFI as a Useful Tool to Evaluate the Quality of Primary Cultured Epithelial Stem Cells in Tissue Reconstruction. Methods in Molecular Biology, 2018, 1879, 43-73.	0.4	4
52	Qualitatively Monitoring Binding and Expression of the Transcription Factor Sp1 as a Useful Tool to Evaluate the Reliability of Primary Cultured Epithelial Stem Cells in Tissue Reconstruction. Methods in Molecular Biology, 2013, 989, 119-142.	0.4	2
53	The Self-assembly Approach as a Tool for the Tissue Engineering of a Bi-lamellar Human Cornea. Methods in Molecular Biology, 2020, 2145, 103-118.	0.4	1
54	The WNK1 kinase regulates the stability of transcription factors during wound healing of human corneal epithelial cells. Journal of Cellular Physiology, 2022, , .	2.0	0