Lieven Thorrez

List of Publications by Year
in descending order

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63 papers	3,719 citations	147726 31 h-index	133188 59 g-index
64 all docs	64 docs citations	64 times ranked	6004 citing authors

#	Article	IF	Citations
1	Decellularized skeletal muscle: A versatile biomaterial in tissue engineering and regenerative medicine. Biomaterials, 2022, 283, 121436.	5.7	20
2	Regional effect on the molecular clock rate of protein evolution in Eutherian and Metatherian genomes. Bmc Ecology and Evolution, 2021, 21, 153.	0.7	0
3	Sequencing refractory regions in bird genomes are hotspots for accelerated protein evolution. Bmc Ecology and Evolution, 2021, 21, 176.	0.7	8
4	A Pound of Flesh: What Cachexia Is and What It Is Not. Diagnostics, 2021, 11, 116.	1.3	23
5	Vascularization of tissue-engineered skeletal muscle constructs. Biomaterials, 2020, 235, 119708.	5.7	57
6	Functional evaluation of prevascularization in one-stage versus two-stage tissue engineering approach of human bio-artificial muscle. Biofabrication, 2020, 12, 035021.	3.7	19
7	The proprotein convertase furin is a pro-oncogenic driver in KRAS and BRAF driven colorectal cancer. Oncogene, 2020, 39, 3571-3587.	2.6	34
8	Transcriptional Changes in Kidney Allografts with Histology of Antibody-Mediated Rejection without Anti-HLA Donor-Specific Antibodies. Journal of the American Society of Nephrology: JASN, 2020, 31, 2168-2183.	3.0	60
9	Sensorial and Nutritional Aspects of Cultured Meat in Comparison to Traditional Meat: Much to Be Inferred. Frontiers in Nutrition, 2020, 7, 35.	1.6	121
10	Development and validation of a peripheral blood mRNA assay for the assessment of antibody-mediated kidney allograft rejection: A multicentre, prospective study. EBioMedicine, 2019, 46, 463-472.	2.7	75
11	Dystrophin deficiency leads to dysfunctional glutamate clearance in iPSC derived astrocytes. Translational Psychiatry, 2019, 9, 200.	2.4	18
12	GC content of vertebrate exome landscapes reveal areas of accelerated protein evolution. BMC Evolutionary Biology, 2019, 19, 144.	3.2	15
13	Weighted sparse principal component analysis. Chemometrics and Intelligent Laboratory Systems, 2019, 195, 103875.	1.8	10
14	Challenges in the quest for â€˜clean meatâ€™. Nature Biotechnology, 2019, 37, 215-216.	9.4	54
15	Current Insights in the Application of Bone Grafts for Local Antibiotic Delivery in Bone Reconstruction Surgery. Journal of Bone and Joint Infection, 2019, 4, 245-253.	0.6	12
16	Natural killer cell infiltration is discriminative for antibody-mediated rejection and predicts outcome after kidney transplantation. Kidney International, 2019, 95, 188-198.	2.6	116
17	Coculture Method to Obtain Endothelial Networks Within Human Tissue-Engineered Skeletal Muscle. Methods in Molecular Biology, 2019, 1889, 169-183.	0.4	16
18	Engineering of Human Skeletal Muscle With an Autologous Deposited Extracellular Matrix. Frontiers in Physiology, 2018, 9, 1076.	1.3	23

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19	ACE-inhibition induces a cardioprotective transcriptional response in the metabolic syndrome heart. Scientific Reports, 2018, 8, 16169.	1.6	8
20	Generation of a human induced pluripotent stem cellâ€“based model for tauopathies combining three microtubuleâ€associated protein TAU mutations which displays several phenotypes linked to neurodegeneration. Alzheimer's and Dementia, 2018, 14, 1261-1280.	0.4	41
21	Human tissue-engineered skeletal muscle: a novel 3D in vitro model for drug disposition and toxicity after intramuscular injection. Scientific Reports, 2018, 8, 12206.	1.6	51
22	Activin A Modulates CRIPTO-1/HNF4Î±⁺Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. Stem Cells International, 2017, 2017, 1-17.	1.2	11
23	Disallowed and Allowed Gene Expression: Two Faces of Mature Islet Beta Cells. Annual Review of Nutrition, 2016, 36, 45-71.	4.3	74
24	Highlights from the 11th ISCB Student Council Symposium 2015. BMC Bioinformatics, 2016, 17, 95.	1.2	4
25	Endoplasmic reticulum-associated degradation of the mouse PC1/3-N222D hypomorph and human PCSK1 mutations contributes to obesity. International Journal of Obesity, 2016, 40, 973-981.	1.6	17
26	Not Just a Sum? Identifying Different Types of Interplay between Constituents in Combined Interventions. PLoS ONE, 2015, 10, e0125334.	1.1	1
27	Galahad: a web server for drug effect analysis from gene expression. Nucleic Acids Research, 2015, 43, W208-W212.	6.5	8
28	Endothelial Network Formation Within Human Tissue-Engineered Skeletal Muscle. Tissue Engineering - Part A, 2015, 21, 2548-2558.	1.6	68
29	Tissue clearing for confocal imaging of native and bio-artificial skeletal muscle. Biotechnic and Histochemistry, 2015, 90, 424-431.	0.7	20
30	Mesodermal iPSCâ€“derived progenitor cells functionally regenerate cardiac and skeletal muscle. Journal of Clinical Investigation, 2015, 125, 4463-4482.	3.9	56
31	Identifying common and distinctive processes underlying multiset data. Chemometrics and Intelligent Laboratory Systems, 2013, 129, 40-51.	1.8	25
32	Finding the targets of a drug by integration of gene expression data with a protein interaction network. Molecular BioSystems, 2013, 9, 1676.	2.9	59
33	Concordance of gene expression in human protein complexes reveals tissue specificity and pathology. Nucleic Acids Research, 2013, 41, e171-e171.	6.5	24
34	Pluripotent Stem Cell Derivation and Differentiation Toward Cardiac Muscle: Novel Techniques and Advances in Patent Literature. Recent Patents on Drug Delivery and Formulation, 2013, 7, 18-28.	2.1	5
35	Mice Deficient in the Respiratory Chain Gene Cox6a2 Are Protected against High-Fat Diet-Induced Obesity and Insulin Resistance. PLoS ONE, 2013, 8, e56719.	1.1	58
36	miRNAs in ESC differentiation. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H931-H939.	1.5	35

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37	A Feedback Loop Between the Liver-Enriched Transcription Factor Network and Mir-122 Controls Hepatocyte Differentiation. Gastroenterology, 2012, 142, 119-129.	0.6	156
38	DISCO-SCA and Properly Applied GSVD as Swinging Methods to Find Common and Distinctive Processes. PLoS ONE, 2012, 7, e37840.	1.1	36
39	Unveiling combinatorial regulation through the combination of ChIP information and in silico cis -regulatory module detection. Nucleic Acids Research, 2012, 40, e90-e90.	6.5	23
40	Twoâ€dimensional gel proteome reference map of INSâ€1E cells. Proteomics, 2011, 11, 1365-1369.	1.3	10
41	The Future of Induced Pluripotent Stem Cells for Cardiac Therapy and Drug Development. Current Pharmaceutical Design, 2011, 17, 3258-3270.	0.9	21
42	Tissue-specific disallowance of housekeeping genes: The other face of cell differentiation. Genome Research, 2011, 21, 95-105.	2.4	163
43	Recovery from Retinal Lesions: Molecular Plasticity Mechanisms in Visual Cortex Far beyond the Deprived Zone. Cerebral Cortex, 2011, 21, 2883-2892.	1.6	17
44	The Vitamin D Analog, TX527, Promotes a Human CD4+CD25highCD127low Regulatory T Cell Profile and Induces a Migratory Signature Specific for Homing to Sites of Inflammation. Journal of Immunology, 2011, 186, 132-142.	0.4	126
45	IGF-1 suppresses Bim expression in multiple myeloma via epigenetic and posttranslational mechanisms. Blood, 2010, 115, 2430-2440.	0.6	88
46	mRNA expression analysis of cell cycle genes in islets of pregnant mice. Diabetologia, 2010, 53, 2579-2588.	2.9	33
47	Detection of novel 3' untranslated region extensions with 3' expression microarrays. BMC Genomics, 2010, 11, 205.	1.2	12
48	The Rules of DNA Recognition by the Androgen Receptor. Molecular Endocrinology, 2010, 24, 898-913.	3.7	123
49	Testing the hypothesis of tissue selectivity: the intersectionâ€“union test and a Bayesian approach. Bioinformatics, 2009, 25, 2588-2594.	1.8	16
50	Mucosal gene signatures to predict response to infliximab in patients with ulcerative colitis. Gut, 2009, 58, 1612-1619.	6.1	346
51	Network Analysis of Differential Expression for the Identification of Disease-Causing Genes. PLoS ONE, 2009, 4, e5526.	1.1	61
52	Growth, differentiation, transplantation and survival of human skeletal myofibers on biodegradable scaffolds. Biomaterials, 2008, 29, 75-84.	5.7	87
53	Drugâ€screening platform based on the contractility of tissueâ€engineered muscle. Muscle and Nerve, 2008, 37, 438-447.	1.0	279
54	Using Ribosomal Protein Genes as Reference: A Tale of Caution. PLoS ONE, 2008, 3, e1854.	1.1	180

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55	Efficacy and safety of adeno-associated viral vectors based on serotype 8 and 9 vs. lentiviral vectors for hemophilia B gene therapy. Journal of Thrombosis and Haemostasis, 2007, 5, 16-24.	1.9	170
56	Efficient Lentiviral Transduction and Improved Engraftment of Human Bone Marrow Mesenchymal Cells. Stem Cells, 2006, 24, 896-907.	1.4	94
57	Angiogenesis Enhances Factor IX Delivery and Persistence from Retrievable Human Bioengineered Muscle Implants. Molecular Therapy, 2006, 14, 442-451.	3.7	33
58	24. Widespread and Efficient Gene Delivery to the Heart and Liver Using AAV Serotype 9: Implications for Cardiovascular Disease and Hemophilia. Molecular Therapy, 2006, 13, S10-S11.	3.7	0
59	40. Enhanced Factor IX Delivery from Bioengineered Hybrid Human Skeletal Muscle Co-Expressing VEGF. Molecular Therapy, 2005, 11, S17.	3.7	2
60	Preclinical Gene Therapy Studies for Hemophilia Using Adenoviral Vectors. Seminars in Thrombosis and Hemostasis, 2004, 30, 173-183.	1.5	15
61	Therapeutic factor VIII levels and negligible toxicity in mouse and dog models of hemophilia A following gene therapy with high-capacity adenoviral vectors. Blood, 2003, 101, 1734-1743.	0.6	136
62	Lentiviral vectors containing the human immunodeficiency virus type-1 central polypurine tract can efficiently transduce nondividing hepatocytes and antigen-presenting cells in vivo. Blood, 2002, 100, 813-822.	0.6	240
63	Enhancing Myoblast Fusion and Myotube Diameter in Human 3D Skeletal Muscle Constructs by Electromagnetic Stimulation. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	3