

Pedro Lei

List of Publications by Year in descending order

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44
papers

1,123
citations

361413

20
h-index

395702

33
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44
all docs

44
docs citations

44
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Crosslinking of discrete self-assembled collagen threads: Effects on mechanical strength and cell-matrix interactions. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 362-371.	4.0	127
2	Cell-controlled and spatially arrayed gene delivery from fibrin hydrogels. <i>Biomaterials</i> , 2009, 30, 3790-3799.	11.4	93
3	Nanog Reverses the Effects of Organismal Aging on Mesenchymal Stem Cell Proliferation and Myogenic Differentiation Potential. <i>Stem Cells</i> , 2012, 30, 2746-2759.	3.2	81
4	Serum-free spheroid suspension culture maintains mesenchymal stem cell proliferation and differentiation potential. <i>Biotechnology Progress</i> , 2014, 30, 974-983.	2.6	71
5	Efficient and high yield isolation of myoblasts from skeletal muscle. <i>Stem Cell Research</i> , 2018, 30, 122-129.	0.7	69
6	High Efficiencies of Gene Transfer with Immobilized Recombinant Retrovirus: Kinetics and Optimization. <i>Biotechnology Progress</i> , 2001, 17, 587-596.	2.6	55
7	Vascularization of the Dermal Support Enhances Wound Re-Epithelialization by <i>In Situ</i> Delivery of Epidermal Keratinocytes. <i>Tissue Engineering - Part A</i> , 2011, 17, 665-675.	3.1	43
8	Retrovirus-Associated Heparan Sulfate Mediates Immobilization and Gene Transfer on Recombinant Fibronectin. <i>Journal of Virology</i> , 2002, 76, 8722-8728.	3.4	37
9	Laminin-111 Peptides Conjugated to Fibrin Hydrogels Promote Formation of Lumen Containing Parotid Gland Cell Clusters. <i>Biomacromolecules</i> , 2016, 17, 2293-2301.	5.4	32
10	Fibrin-mediated lentivirus gene transfer: Implications for lentivirus microarrays. <i>Journal of Controlled Release</i> , 2010, 144, 213-220.	9.9	30
11	JNK is a novel regulator of intercellular adhesion. <i>Tissue Barriers</i> , 2013, 1, e26845.	3.2	30
12	NANOG Reverses the Myogenic Differentiation Potential of Senescent Stem Cells by Restoring ACTIN Filamentous Organization and SRF-Dependent Gene Expression. <i>Stem Cells</i> , 2017, 35, 207-221.	3.2	30
13	Growth Factors Polymerized Within Fibrin Hydrogel Promote Amylase Production in Parotid Cells. <i>Tissue Engineering - Part A</i> , 2013, 19, 2215-2225.	3.1	28
14	Efficient Gene Transfer to Human Epidermal Keratinocytes on Fibronectin: In Vitro Evidence for Transduction of Epidermal Stem Cells. <i>Molecular Therapy</i> , 2005, 11, 969-979.	8.2	26
15	Laminin-111-derived peptide conjugated fibrin hydrogel restores salivary gland function. <i>PLoS ONE</i> , 2017, 12, e0187069.	2.5	25
16	Synergistic effects of laminin-1 peptides, VEGF and FGF9 on salivary gland regeneration. <i>Acta Biomaterialia</i> , 2019, 91, 186-194.	8.3	25
17	Regulated Insulin Delivery From Human Epidermal Cells Reverses Hyperglycemia. <i>Molecular Therapy</i> , 2008, 16, 1146-1153.	8.2	24
18	NANOG restores the impaired myogenic differentiation potential of skeletal myoblasts after multiple population doublings. <i>Stem Cell Research</i> , 2018, 26, 55-66.	0.7	24

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19	Reprogramming Postnatal Human Epidermal Keratinocytes Toward Functional Neural Crest Fates. <i>Stem Cells</i> , 2017, 35, 1402-1415.	3.2	23
20	Compliance-induced adherens junction formation in epithelial cells and tissues is regulated by JNK. <i>Journal of Cell Science</i> , 2013, 126, 2718-29.	2.0	22
21	Lentiviral microarrays for real-time monitoring of gene expression dynamics. <i>Lab on A Chip</i> , 2010, 10, 1967.	6.0	21
22	Neural crest stem cells from human epidermis of aged donors maintain their multipotency in vitro and in vivo. <i>Scientific Reports</i> , 2019, 9, 9750.	3.3	21
23	Efficient Production of Bioactive Insulin from Human Epidermal Keratinocytes and Tissue-Engineered Skin Substitutes: Implications for Treatment of Diabetes. <i>Tissue Engineering</i> , 2007, 13, 2119-2131.	4.6	20
24	Bioengineered Skeletal Muscle as a Model of Muscle Aging and Regeneration. <i>Tissue Engineering - Part A</i> , 2021, 27, 74-86.	3.1	20
25	Magnetofection Mediated Transient NANOG Overexpression Enhances Proliferation and Myogenic Differentiation of Human Hair Follicle Derived Mesenchymal Stem Cells. <i>Bioconjugate Chemistry</i> , 2015, 26, 1314-1327.	3.6	19
26	The protein arginine methyltransferase PRMT5 promotes D2-like dopamine receptor signaling. <i>Science Signaling</i> , 2015, 8, ra115.	3.6	18
27	Ameliorating the hallmarks of cellular senescence in skeletal muscle myogenic progenitors in vitro and in vivo. <i>Science Advances</i> , 2021, 7, eabe5671.	10.3	16
28	Differential and synergistic effects of mechanical stimulation and growth factor presentation on vascular wall function. <i>Biomaterials</i> , 2013, 34, 7281-7291.	11.4	14
29	Cadherin-11 binds to PDGFR ² and enhances cell proliferation and tissue regeneration via the PDGFR- Akt signaling axis. <i>FASEB Journal</i> , 2020, 34, 3792-3804.	0.5	13
30	Stoichiometric limitations in assembly of active recombinant retrovirus. <i>Biotechnology and Bioengineering</i> , 2005, 90, 781-792.	3.3	9
31	Derivation of neural crest stem cells from human epidermal keratinocytes requires FGF ² , IGF ¹ , and inhibition of TGF ¹ . <i>Bioengineering and Translational Medicine</i> , 2018, 3, 256-264.	7.1	8
32	PEGylated Amine-Functionalized Poly(μ -caprolactone) for the Delivery of Plasmid DNA. <i>Materials</i> , 2020, 13, 898.	2.9	8
33	Laminin-1 Peptides Conjugated to Fibrin Hydrogels Promote Salivary Gland Regeneration in Irradiated Mouse Submandibular Glands. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 729180.	4.1	7
34	Efficient Retroviral Gene Transfer to Epidermal Stem Cells. <i>Methods in Molecular Biology</i> , 2008, 433, 367-380.	0.9	7
35	Bioengineered Skin Substitutes. <i>Methods in Molecular Biology</i> , 2013, 1001, 267-278.	0.9	6
36	Sex-dependent Regeneration Patterns in Mouse Submandibular Glands. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 305-318.	2.5	6

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37	Adherens Junction Formation Inhibits Lentivirus Entry and Gene Transfer. PLoS ONE, 2013, 8, e79265.	2.5	5
38	Engineering the mode of morphogenetic signal presentation to promote branching from salivary gland spheroids in 3D hydrogels. Acta Biomaterialia, 2020, 105, 121-130.	8.3	4
39	Detection of DNA Hybridization via Fluorescence Intensity Variations of ZnSe-DNA Quantum Dot Biosensors. Analytical Letters, 2012, 45, 227-241.	1.8	3
40	Lentivirus Live Cell Array for Quantitative Assessment of Gene and Pathway Activation during Myogenic Differentiation of Mesenchymal Stem Cells. PLoS ONE, 2015, 10, e0141365.	2.5	3
41	DNA Hybridization Detection using Fluorescent Zinc Selenide Quantum Dots. Materials Research Society Symposia Proceedings, 2006, 951, 1.	0.1	0
42	Gene Therapy for Tissue Engineering. Handbook Series for Mechanical Engineering, 2013, , 433-460.	0.0	0
43	Efficient Production of Bioactive Insulin from Human Epidermal Keratinocytes and Tissue-Engineered Skin Substitutes: Implications for Treatment of Diabetes. Tissue Engineering, 2007, .	4.6	0
44	Efficient Retroviral Gene Transfer to Epidermal Stem Cells. , 2008, , 367-380.		0