Gabriela Silva

List of Publications by Year
in descending order

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49	3,221	393982	233125
papers	citations	19 h-index	45 g-index

50	50	50	4880
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Naturalâ€“origin polymers as carriers and scaffolds for biomolecules and cell delivery in tissue engineering applications. Advanced Drug Delivery Reviews, 2007, 59, 207-233.	6.6	1,201
2	Natural origin biodegradable systems in tissue engineering and regenerative medicine: present status and some moving trends. Journal of the Royal Society Interface, 2007, 4, 999-1030.	1.5	969
3	Materials in particulate form for tissue engineering. 2. Applications in bone. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 97-109.	1.3	95
4	Preparation and characterisation in simulated body conditions of glutaraldehyde crosslinked chitosan membranes. Journal of Materials Science: Materials in Medicine, 2004, 15, 1105-1112.	1.7	93
5	Materials in particulate form for tissue engineering. 1. Basic concepts. Journal of Tissue Engineering and Regenerative Medicine, 2007, 1, 4-24.	1.3	93
6	In vitro degradation and cytocompatibility evaluation of novel soy and sodium caseinate-based membrane biomaterials. Journal of Materials Science: Materials in Medicine, 2003, 14, 1055-1066.	1.7	78
7	Non-viral strategies for ocular gene delivery. Materials Science and Engineering C, 2017, 77, 1275-1289.	3.8	65
8	Drug delivery therapies I. Current Opinion in Solid State and Materials Science, 2002, 6, 283-295.	5.6	48
9	The effect of starch and starch-bioactive glass composite microparticles on the adhesion and expression of the osteoblastic phenotype of a bone cell line. Biomaterials, 2007, 28, 326-334.	5.7	45
10	Drug delivery therapies II.. Current Opinion in Solid State and Materials Science, 2002, 6, 297-312.	5.6	41
11	Polycaprolactone/Gelatin Nanofiber Membranes Containing EGCG-Loaded Liposomes and Their Potential Use for Skin Regeneration. ACS Applied Bio Materials, 2019, 2, 4790-4800.	2.3	40
12	Starch-Based Microparticles as Vehicles for the Delivery of Active Platelet-Derived Growth Factor. Tissue Engineering, 2007, 13, 1259-1268.	4.9	37
13	Entrapment ability and release profile of corticosteroids from starch-based microparticles. Journal of Biomedical Materials Research - Part A, 2005, 73A, 234-243.	2.1	33
14	Graphene Oxide Thin Films with Drug Delivery Function. Nanomaterials, 2022, 12, 1149.	1.9	31
15	Natural Polymers in tissue engineering applications. , 2008, , 145-192.		29
16	Soluble starch and composite starch Bioactive Glass 45S5 particles: Synthesis, bioactivity, and interaction with rat bone marrow cells. Materials Science and Engineering C, 2005, 25, 237-246.	3.8	24
17	pEPito-driven PEDF Expression Ameliorates Diabetic Retinopathy Hallmarks. Human Gene Therapy Methods, 2016, 27, 79-86.	2.1	22
18	Transfection efficiency of chitosan and thiolated chitosan in retinal pigment epithelium cells: A comparative study. Journal of Pharmacy and Bioallied Sciences, 2013, 5, 111.	0.2	21

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19	Combining Hyaluronic Acid with Chitosan Enhances Gene Delivery. Journal of Nanomaterials, 2014, 2014, 1-9.	1.5	21
20	Evaluation of cystamine-modified hyaluronic acid/chitosan polyplex as retinal gene vector. Materials Science and Engineering C, 2016, 58, 264-272.	3.8	21
21	The role of the retinal pigment epithelium and MÃ¼ller cells secretome in neovascular retinal pathologies. Biochimie, 2018, 155, 104-108.	1.3	21
22	Sustained Gene Expression in the Retina by Improved Episomal Vectors. Tissue Engineering - Part A, 2014, 20, 2692-2698.	1.6	18
23	Efficiency of RAFT-synthesized PDMAEMA in gene transfer to the retina. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 265-275.	1.3	18
24	GLUT1 activity contributes to the impairment of PEDF secretion by the RPE. Molecular Vision, 2016, 22, 761-70.	1.1	17
25	Enhancement of chitosan-mediated gene delivery through combination with phiC31 integrase. Acta Biomaterialia, 2015, 17, 89-97.	4.1	13
26	Stem Cell and Tissue Engineering Therapies for Ocular Regeneration. Current Stem Cell Research and Therapy, 2011, 6, 255-272.	0.6	12
27	Dysregulation of trophic factors contributes to diabetic retinopathy in the Ins2Akita mouse. Experimental Eye Research, 2020, 194, 108027.	1.2	12
28	Graphene Biosensorsâ€"A Molecular Approach. Nanomaterials, 2022, 12, 1624.	1.9	12
29	Cationic Polyene Phospholipids as DNA Carriers for Ocular Gene Therapy. BioMed Research International, 2014, 2014, 1-13.	0.9	9
30	Aliskiren decreases oxidative stress and angiogenic markers in retinal pigment epithelium cells. Angiogenesis, 2017, 20, 175-181.	3.7	9
31	Insights on the intracellular trafficking of PDMAEMA gene therapy vectors. Materials Science and Engineering C, 2018, 93, 277-288.	3.8	8
32	Self-Assembled Multilayer Films for Time-Controlled Ocular Drug Delivery. ACS Applied Bio Materials, 2019, 2, 4173-4180.	2.3	8
33	Human-derived NLS enhance the gene transfer efficiency of chitosan. Bioscience Reports, 2021, 41, .	1.1	7
34	Microparticulate Release Systems Based on Natural Origin Materials. Advances in Experimental Medicine and Biology, 2004, 553, 283-300.	0.8	6
35	Dual-Acting Antiangiogenic Gene Therapy Reduces Inflammation and Regresses Neovascularization in Diabetic Mouse Retina. Molecular Therapy - Nucleic Acids, 2020, 22, 329-339.	2.3	6
36	PlGF silencing combined with PEDF overexpression: Modeling RPE secretionÂas potential therapy for retinalÂneovascularization. Molecular Biology Reports, 2020, 47, 4413-4425.	1.0	5

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37	Oxidative stress modulates the expression of VEGF isoforms in the diabetic retina. New Frontiers in Ophthalmology (London), 2016, 2, .	0.1	5
38	Starch-Based Microparticles as a Novel Strategy for Tissue Engineering Applications. Key Engineering Materials, 2006, 309-311, 907-910.	0.4	4
39	Chitosan-Based Vectors Mediate Long-Term Gene Expression in the Retina. Journal of Bionanoscience, 2015, 9, 373-382.	0.4	4
40	Aliskiren inhibits the renin-angiotensin system in retinal pigment epithelium cells. European Journal of Pharmaceutical Sciences, 2016, 92, 22-27.	1.9	3
41	Molecular biology tools for the study and therapy of PDE6Î² mutations. Journal of Biotechnology, 2018, 284, 1-5.	1.9	3
42	Polyphenol Metabolite Pyrogallol-O-Sulfate Decreases Microglial Activation and VEGF in Retinal Pigment Epithelium Cells and Diabetic Mouse Retina. International Journal of Molecular Sciences, 2021, 22, 11402.	1.8	3
43	Correlation between hyperglycemia and glycated albumin with retinopathy of prematurity. Scientific Reports, 2021, 11, 22321.	1.6	3
44	Development of strategies to modulate gene expression of angiogenesis-related molecules in the retina. Gene, 2021, 791, 145724.	1.0	2
45	Cytotoxicity Screening of Biodegradable Polymeric Systems. , 2004, , .		2
46	Strategies to Improve the Targeting of Retinal Cells by Non-Viral Gene Therapy Vectors. Frontiers in Drug Delivery, 2022, 2, .	0.4	2
47	Strategies for Delivering Bone and Cartilage Regenerating Factors. , 2004, , .		1
48	Applicability and validation of the Reaction to Tests Scale (RTT) in a sample of Portuguese medical students. BMC Psychology, 2021, 9, 166.	0.9	1
49	Starch-Bioactive Glass Composite Microparticles: Bioactivity and Cellular Activity. Key Engineering Materials, 2005, 284-286, 761-764.	0.4	0