Manuel Gomez-Florit

List of Publications by Year
in descending order

44 papers	1,150 citations	411340 20 h-index	445137 33 g-index
45 all docs	45 docs citations	45 times ranked	1737 citing authors

#	Article	IF	Citations
1	Controlling the fate of regenerative cells with engineered platelet-derived extracellular vesicles. Nanoscale, 2022, 14, 6543-6556.	2.8	6
2	Therapeutic Effects of Platelet-Derived Extracellular Vesicles in a Bioengineered Tendon Disease Model. International Journal of Molecular Sciences, 2022, 23, 2948.	1.8	11
3	The tendon microenvironment: Engineered in vitro models to study cellular crosstalk. Advanced Drug Delivery Reviews, 2022, 185, 114299.	6.6	19
4	Highly elastic and bioactive bone biomimetic scaffolds based on platelet lysate and biomineralized cellulose nanocrystals. Carbohydrate Polymers, 2022, 292, 119638.	5.1	8
5	Engineering next-generation bioinks with nanoparticles: moving from reinforcement fillers to multifunctional nanoelements. Journal of Materials Chemistry B, 2021, 9, 5025-5038.	2.9	25
6	Magnetic Nanocomposite Hydrogels for Tissue Engineering: Design Concepts and Remote Actuation Strategies to Control Cell Fate. ACS Nano, 2021, 15, 175-209.	7.3	119
7	Multiscale Multifactorial Approaches for Engineering Tendon Substitutes. Reference Series in Biomedical Engineering, 2021, , 507-530.	0.1	0
8	Multifunctional Surfaces for Improving Soft Tissue Integration. Advanced Healthcare Materials, 2021, 10, e2001985.	3.9	11
9	Human Platelet Lysate-Loaded Poly(ethylene glycol) Hydrogels Induce Stem Cell Chemotaxis In Vitro. Biomacromolecules, 2021, 22, 3486-3496.	2.6	11
10	Decellularized kidney extracellular matrix bioinks recapitulate renal 3D microenvironment in vitro. Biofabrication, 2021, 13, 045006.	3.7	24
11	3D Bioprinting of Miniaturized Tissues Embedded in Selfâ€Assembled Nanoparticleâ€Based Fibrillar Platforms. Advanced Functional Materials, 2021, 31, .	7.8	21
12	Human platelet lysate-based nanocomposite bioink for bioprinting hierarchical fibrillar structures. Biofabrication, 2020, 12, 015012.	3.7	53
13	Bioinspired materials and tissue engineering approaches applied to the regeneration of musculoskeletal tissues. , 2020, , 73-105.		1
14	Multiscale Multifactorial Approaches for Engineering Tendon Substitutes. , 2020, , 1-24.		0
15	Natural Materials. , 2020, , 361-375.		0
16	Intrinsically Bioactive Cryogels Based on Platelet Lysate Nanocomposites for Hemostasis Applications. Biomacromolecules, 2020, 21, 3678-3692.	2.6	25
17	Natural-Based Hydrogels for Tissue Engineering Applications. Molecules, 2020, 25, 5858.	1.7	93
18	Cellulose nanocrystals of variable sulfation degrees can sequester specific platelet lysate-derived biomolecules to modulate stem cell response. Chemical Communications, 2020, 56, 6882-6885.	2.2	9

#	Article	IF	Citations
19	In Vitro Performance of Bioinspired Phenolic Nanocoatings for Endosseous Implant Applications. ACS Biomaterials Science and Engineering, 2019, 5, 3340-3351.	2.6	11
20	Tropoelastin-Coated Tendon Biomimetic Scaffolds Promote Stem Cell Tenogenic Commitment and Deposition of Elastin-Rich Matrix. ACS Applied Materials & Interfaces, 2019, 11, 19830-19840.	4.0	42
21	Injectable and Magnetic Responsive Hydrogels with Bioinspired Ordered Structures. ACS Biomaterials Science and Engineering, 2019, 5, 1392-1404.	2.6	54
22	Biphasic Hydrogels Integrating Mineralized and Anisotropic Features for Interfacial Tissue Engineering. ACS Applied Materials & Interfaces, 2019, 11, 47771-47784.	4.0	40
23	Grain boundary corrosion in TiO2 bone scaffolds doped with group II cations. Journal of the European Ceramic Society, 2019, 39, 1577-1585.	2.8	5
24	Blood derivatives awaken in regenerative medicine strategies to modulate wound healing. Advanced Drug Delivery Reviews, 2018, 129, 376-393.	6.6	59
25	Human-based fibrillar nanocomposite hydrogels as bioinstructive matrices to tune stem cell behavior. Nanoscale, 2018, 10, 17388-17401.	2.8	34
26	Bioengineered surgical repair of a chronic oronasal fistula in a cat using autologous platelet-rich fibrin and bone marrow with a tailored 3D printed implant. Journal of Feline Medicine and Surgery, 2018, 20, 835-843.	0.6	14
27	3D Functional scaffolds for dental tissue engineering. , 2018, , 423-450.		2
28	Improved human gingival fibroblast response to titanium implants coated with ultravioletâ€irradiated vitamin D precursor and vitamin E. Journal of Periodontal Research, 2016, 51, 342-349.	1.4	9
29	Quercitrin-nanocoated titanium surfaces favour gingival cells against oral bacteria. Scientific Reports, 2016, 6, 22444.	1.6	32
30	Quercitrin for periodontal regeneration: effects on human gingival fibroblasts and mesenchymal stem cells. Scientific Reports, 2015, 5, 16593.	1.6	41
31	Flavonoidâ€Modified Surfaces: Multifunctional Bioactive Biomaterials with Osteopromotive, Antiâ€Inflammatory, and Antiâ€Fibrotic Potential. Advanced Healthcare Materials, 2015, 4, 540-549.	3.9	62
32	Differential response of human gingival fibroblasts to titaniumâ€and titaniumâ€zirconiumâ€modified surfaces. Journal of Periodontal Research, 2014, 49, 425-436.	1.4	58
33	Human gingival fibroblasts function is stimulated on machined hydrided titanium zirconium dental implants. Journal of Dentistry, 2014, 42, 30-38.	1.7	36
34	Identification of Quercitrin as a Potential Therapeutic Agent for Periodontal Applications. Journal of Periodontology, 2014, 85, 966-974.	1.7	39
35	Oleanolic and maslinic acid sensitize soft tissue sarcoma cells to doxorubicin by inhibiting the multidrug resistance protein MRP-1, but not P-glycoprotein. Journal of Nutritional Biochemistry, 2014, 25, 429-438.	1.9	22
36	Anti-fibrotic and anti-inflammatory properties of melatonin on human gingival fibroblasts in vitro. Biochemical Pharmacology, 2013, 86, 1784-1790.	2.0	44

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37	Increased reactivity and in vitro cell response of titanium based implant surfaces after anodic oxidation. Journal of Materials Science: Materials in Medicine, 2013, 24, 2761-2773.	1.7	9
38	Effect of Proline-Rich Synthetic Peptideâ€“Coated Titanium Implants on Bone Healing in a Rabbit Model. International Journal of Oral and Maxillofacial Implants, 2013, 28, e547-e555.	0.6	13
39	Effect of TiO₂ scaffolds coated with alginate hydrogel containing a prolineâ€rich peptide on osteoblast growth and differentiation in vitro. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1768-1777.	2.1	12
40	Effect of a 2-hydroxylated fatty acid on Cholesterol-rich membrane domains. Molecular Membrane Biology, 2012, 29, 333-343.	2.0	4
41	EPA covalently bound to smooth titanium surfaces decreases viability and biofilm formation of Staphylococcus epidermidis in vitro. Journal of Orthopaedic Research, 2012, 30, 1384-1390.	1.2	6
42	TiO₂ Scaffolds Sustain Differentiation of MC3T3-E1 Cells. Journal of Biomaterials and Tissue Engineering, 2012, 2, 336-344.	0.0	14
43	Plant pentacyclic triterpenic acids as modulators of lipid membrane physical properties. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 752-760.	1.4	52
44	Natural pentacyclic triterpenes enhance antitumoral effects of doxorubicin through augmenting its intracellular concentration in human sarcoma cells. Chemistry and Physics of Lipids, 2010, 163, S59.	1.5	0