

# Laura Saldaña

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,609  
citations

361045

20  
h-index

288905

40  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wear of hip prostheses increases serum IGFBP-1 levels in patients with aseptic loosening. <i>Scientific Reports</i> , 2021, 11, 576.	1.6	1
2	Vitamin B9 derivatives as carriers of bioactive cations for musculoskeletal regeneration applications: Synthesis, characterization and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2021, 212, 113152.	2.6	4
3	Impaction bone grafting in hip re-revision surgery. <i>Bone and Joint Journal</i> , 2021, 103-B, 492-499.	1.9	10
4	Osteoblast function in patients with idiopathic osteonecrosis of the femoral head. <i>Bone and Joint Research</i> , 2021, 10, 619-628.	1.3	10
5	Effect of Thermal Processing on the Dynamic/Isothermal Crystallization and Cytocompatibility of Polylactic Acid for Biomedical Applications. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100274.	1.1	3
6	Poly lactide, Processed by a Foaming Method Using Compressed Freon R134a, for Tissue Engineering. <i>Polymers</i> , 2021, 13, 3453.	2.0	0
7	Influence of inflammatory conditions provided by macrophages on osteogenic ability of mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2020, 11, 57.	2.4	41
8	In vitro degradation of biodegradable polylactic acid/Mg composites: Influence of nature and crystalline degree of the polymeric matrix. <i>Materialia</i> , 2019, 6, 100270.	1.3	21
9	Immunoregulatory potential of mesenchymal stem cells following activation by macrophage-derived soluble factors. <i>Stem Cell Research and Therapy</i> , 2019, 10, 58.	2.4	126
10	Substrate Microarchitecture Shapes the Paracrine Crosstalk of Stem Cells with Endothelial Cells and Osteoblasts. <i>Scientific Reports</i> , 2017, 7, 15182.	1.6	15
11	Paracrine interactions between mesenchymal stem cells and macrophages are regulated by 1,25-dihydroxyvitamin D3. <i>Scientific Reports</i> , 2017, 7, 14618.	1.6	18
12	Incorporation of Mg particles into PDLLA regulates mesenchymal stem cell and macrophage responses. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 866-878.	2.1	50
13	Bioactivity of dexamethasone-releasing coatings on polymer/magnesium composites. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 055011.	1.7	12
14	On the interactions of human bone cells with Ti6Al4V thermally oxidized by means of laser shock processing. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 015009.	1.7	15
15	Topographical cues regulate the crosstalk between MSCs and macrophages. <i>Biomaterials</i> , 2015, 37, 124-133.	5.7	100
16	Mechanical forces regulate stem cell response to surface topography. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 128-140.	2.1	18
17	Human bone lineage cell responses to anisotropic Ti6Al4V surfaces are dependent on their maturation state. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3154-3166.	2.1	3
18	Functionalization of 3D scaffolds with protein-releasing biomaterials for intracellular delivery. <i>Journal of Controlled Release</i> , 2013, 171, 63-72.	4.8	22

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19	Simvastatin prevents the induction of interleukin-6 gene expression by titanium particles in human osteoblastic cells. <i>Acta Biomaterialia</i> , 2013, 9, 4916-4925.	4.1	16
20	Controlled silanization-amination reactions on the Ti6Al4V surface for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 106, 248-257.	2.5	35
21	Feasibility of ceramic-polymer composite cryogels as scaffolds for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, 421-433.	1.3	17
22	Grit blasting of medical stainless steel: implications on its corrosion behavior, ion release and biocompatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 657-666.	1.7	20
23	Bacterial adhesion reduction on a biocompatible Si+ ion implanted austenitic stainless steel. <i>Materials Science and Engineering C</i> , 2011, 31, 1567-1576.	3.8	15
24	In search of representative models of human bone-forming cells for cytocompatibility studies. <i>Acta Biomaterialia</i> , 2011, 7, 4210-4221.	4.1	72
25	Corrosion behaviour and biocompatibility of a novel Ni-free intermetallic coating growth on austenitic steel by hot dipping in an Al-12.6%Si alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1005-1014.	1.7	9
26	On the role of RhoA/ROCK signaling in contact guidance of bone-forming cells on anisotropic Ti6Al4V surfaces. <i>Acta Biomaterialia</i> , 2011, 7, 1890-1901.	4.1	41
27	Effects of micrometric titanium particles on osteoblast attachment and cytoskeleton architecture. <i>Acta Biomaterialia</i> , 2010, 6, 1649-1660.	4.1	57
28	Interactions of human bone cells with diamond-like carbon polymer hybrid coatings. <i>Acta Biomaterialia</i> , 2010, 6, 3325-3338.	4.1	22
29	In vitro biocompatibility and bacterial adhesion of physico-chemically modified Ti6Al4V surface by means of UV irradiation. <i>Acta Biomaterialia</i> , 2009, 5, 181-192.	4.1	131
30	Calcium phosphate-based particles influence osteogenic maturation of human mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2009, 5, 1294-1305.	4.1	53
31	In situ cell culture monitoring on a Ti-6Al-4V surface by electrochemical techniques. <i>Acta Biomaterialia</i> , 2009, 5, 1374-1384.	4.1	24
32	Rutile and titanium particles differentially affect the production of osteoblastic local factors. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 324-336.	2.1	34
33	Thermal oxidation enhances early interactions between human osteoblasts and alumina blasted Ti6Al4V alloy. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 334-346.	2.1	39
34	In vitro biocompatibility of an ultrafine grained zirconium. <i>Biomaterials</i> , 2007, 28, 4343-4354.	5.7	161
35	Differential inflammatory macrophage response to rutile and titanium particles. <i>Biomaterials</i> , 2006, 27, 5199-5211.	5.7	76
36	Concentration-dependent effects of titanium and aluminium ions released from thermally oxidized Ti6Al4V alloy on human osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 220-229.	2.1	29

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37	Osteoblast response to plasma-spray porous Ti6Al4V coating on substrates of identical alloy. Journal of Biomedical Materials Research - Part A, 2006, 77A, 608-617.	2.1	18
38	Alumina particles influence the interactions of cocultured osteoblasts and macrophages. Journal of Orthopaedic Research, 2006, 24, 46-54.	1.2	29
39	Osteoblast response to thermally oxidized Ti6Al4V alloy. Journal of Biomedical Materials Research - Part A, 2005, 73A, 97-107.	2.1	51
40	In vitro corrosion behaviour and osteoblast response of thermally oxidised Ti6Al4V alloy. Biomaterials, 2003, 24, 19-26.	5.7	159
41	Effects of polyethylene and $\alpha$ -alumina particles on IL-6 expression and secretion in primary cultures of human osteoblastic cells. Biomaterials, 2002, 23, 901-908.	5.7	20
42	Influence of particle size in the effect of polyethylene on human osteoblastic cells. Biomaterials, 2001, 22, 755-762.	5.7	12