

David GarcÃ-a-Bernal

List of Publications by Year in descending order

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79
papers

2,123
citations

186265

28
h-index

265206

42
g-index

81
all docs

81
docs citations

81
times ranked

2993
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatibility of New Pulp-capping Materials NeoMTA Plus, MTA Repair HP, and Biodentine on Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2018, 44, 126-132.	3.1	100
2	Vav1 and Rac Control Chemokine-promoted T Lymphocyte Adhesion Mediated by the Integrin $\alpha 4 \beta 1$. <i>Molecular Biology of the Cell</i> , 2005, 16, 3223-3235.	2.1	89
3	Evaluation of cytocompatibility of calcium silicate-based endodontic sealers and their effects on the biological responses of mesenchymal dental stem cells. <i>International Endodontic Journal</i> , 2017, 50, 67-76.	5.0	85
4	Cytotoxicity and bioactivity of various pulpotomy materials on stem cells from human exfoliated primary teeth. <i>International Endodontic Journal</i> , 2017, 50, e19-e30.	5.0	80
5	Effects of composite films of silk fibroin and graphene oxide on the proliferation, cell viability and mesenchymal phenotype of periodontal ligament stem cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2731-2741.	3.6	75
6	The Current Status of Mesenchymal Stromal Cells: Controversies, Unresolved Issues and Some Promising Solutions to Improve Their Therapeutic Efficacy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 650664.	3.7	75
7	The Chemokine Receptor CXCR4 and the Metalloproteinase MT1-MMP Are Mutually Required during Melanoma Metastasis to Lungs. <i>American Journal of Pathology</i> , 2009, 174, 602-612.	3.8	74
8	Biocompatibility of three new calcium silicate-based endodontic sealers on human periodontal ligament stem cells. <i>International Endodontic Journal</i> , 2017, 50, 875-884.	5.0	72
9	Comparative analysis of the biological effects of the endodontic bioactive cements MTA-Angelus, MTA Repair HP and NeoMTA Plus on human dental pulp stem cells. <i>International Endodontic Journal</i> , 2017, 50, e63-e72.	5.0	66
10	Glioblastoma ablates pericytes antitumor immune function through aberrant up-regulation of chaperone-mediated autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20655-20665.	7.1	66
11	Role of metalloproteinases MMP-9 and MT1-MMP in CXCL12-promoted myeloma cell invasion across basement membranes. <i>Journal of Pathology</i> , 2006, 208, 108-118.	4.5	59
12	Glioblastoma progression is assisted by induction of immunosuppressive function of pericytes through interaction with tumor cells. <i>Oncotarget</i> , 2017, 8, 68614-68626.	1.8	57
13	Silk fibroin scaffolds seeded with Wharton's jelly mesenchymal stem cells enhance re-epithelialization and reduce formation of scar tissue after cutaneous wound healing. <i>Stem Cell Research and Therapy</i> , 2019, 10, 126.	5.5	56
14	Cytocompatibility, bioactivity potential, and ion release of three premixed calcium silicate-based sealers. <i>Clinical Oral Investigations</i> , 2020, 24, 1749-1759.	3.0	54
15	Human Wharton's jelly mesenchymal stem cells protect axotomized rat retinal ganglion cells via secretion of anti-inflammatory and neurotrophic factors. <i>Scientific Reports</i> , 2018, 8, 16299.	3.3	50
16	Chemokine-Induced Zap70 Kinase-Mediated Dissociation of the Vav1-Talin Complex Activates $\alpha 4 \beta 1$ Integrin for T Cell Adhesion. <i>Immunity</i> , 2009, 31, 953-964.	14.3	45
17	Silk-Fibroin and Graphene Oxide Composites Promote Human Periodontal Ligament Stem Cell Spontaneous Differentiation into Osteo/Cementoblast-Like Cells. <i>Stem Cells and Development</i> , 2016, 25, 1742-1754.	2.1	44
18	Physicochemical, cytotoxicity and in vivo biocompatibility of a high-plasticity calcium-silicate based material. <i>Scientific Reports</i> , 2019, 9, 3933.	3.3	43

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19	Distinctive Biomarker Features in the Endotheliopathy of COVID-19 and Septic Syndromes. <i>Shock</i> , 2022, 57, 95-105.	2.1	43
20	DOCK2 is Required for Chemokine-Promoted Human T Lymphocyte Adhesion Under Shear Stress Mediated by the Integrin $\alpha 4 \beta 1$. <i>Journal of Immunology</i> , 2006, 177, 5215-5225.	0.8	42
21	GuttaFlow Bioseal promotes spontaneous differentiation of human periodontal ligament stem cells into cementoblast-like cells. <i>Dental Materials</i> , 2019, 35, 114-124.	3.5	39
22	Cytocompatibility and bioactive properties of the new dual-curing resin-modified calcium silicate-based material for vital pulp therapy. <i>Clinical Oral Investigations</i> , 2021, 25, 5009-5024.	3.0	37
23	Chemical composition and bioactivity potential of the new Endosequence BC Sealer formulation HiFlow. <i>International Endodontic Journal</i> , 2020, 53, 1216-1228.	5.0	36
24	Human mesenchymal stem cell viability, proliferation and differentiation potential in response to ceramic chemistry and surface roughness. <i>Ceramics International</i> , 2015, 41, 6631-6644.	4.8	35
25	RGS10 Restricts Upregulation by Chemokines of T Cell Adhesion Mediated by $\alpha 4 \beta 1$ and $\alpha L \beta 2$ Integrins. <i>Journal of Immunology</i> , 2011, 187, 1264-1272.	0.8	33
26	Intracellular signaling required for CCL25-stimulated T cell adhesion mediated by the integrin $\alpha 4 \beta 1$. <i>Journal of Leukocyte Biology</i> , 2007, 82, 380-391.	3.3	30
27	The effects of Ca_2SiO_4 - $\text{Ca}_3(\text{PO}_4)_2$ ceramics on adult human mesenchymal stem cell viability, adhesion, proliferation, differentiation and function. <i>Materials Science and Engineering C</i> , 2013, 33, 4009-4020.	7.3	30
28	Sphingosine-1-phosphate activates chemokine-promoted myeloma cell adhesion and migration involving $\alpha 4 \beta 1$ integrin function. <i>Journal of Pathology</i> , 2013, 229, 36-48.	4.5	30
29	$\beta 2$ -chimaerin provides a diacylglycerol-dependent mechanism for regulation of adhesion and chemotaxis of T cells. <i>Journal of Cell Science</i> , 2006, 119, 141-152.	2.0	28
30	Opioids Trigger $\alpha 5 \beta 1$ Integrin-Mediated Monocyte Adhesion. <i>Journal of Immunology</i> , 2006, 176, 1675-1685.	0.8	26
31	Comparative Biological Properties and Mineralization Potential of 3 Endodontic Materials for Vital Pulp Therapy: Theracal PT, Theracal LC, and Biodentine on Human Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2021, 47, 1896-1906.	3.1	26
32	Cytoprotective effects of melatonin on zoledronic acid-treated human mesenchymal stem cells in vitro. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 855-862.	1.7	25
33	Biological Effects of New Hydraulic Materials on Human Periodontal Ligament Stem Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 1216.	2.4	24
34	Thermo-setting glass ionomer cements promote variable biological responses of human dental pulp stem cells. <i>Dental Materials</i> , 2018, 34, 932-943.	3.5	23
35	Defibrotide inhibits donor leucocyte-endothelial interactions and protects against acute graft-versus-host disease. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8031-8044.	3.6	23
36	Comparison of diffusion, cytotoxicity and tissue inflammatory reactions of four commercial bleaching products against human dental pulp stem cells. <i>Scientific Reports</i> , 2019, 9, 7743.	3.3	21

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37	Autophagy in the Immunosuppressive Perivascular Microenvironment of Glioblastoma. <i>Cancers</i> , 2020, 12, 102.	3.7	21
38	In Vitro Evaluation of the Biological Effects of ACTIVA Kids BioACTIVE Restorative, Ionolux, and Riva Light Cure on Human Dental Pulp Stem Cells. <i>Materials</i> , 2019, 12, 3694.	2.9	20
39	Allogeneic Bone Marrow Mesenchymal Stem Cell Transplantation in Tooth Extractions Sites Ameliorates the Incidence of Osteonecrotic Jaw-Like Lesions in Zoledronic Acid-Treated Rats. <i>Journal of Clinical Medicine</i> , 2020, 9, 1649.	2.4	17
40	Topical Treatment With Bromfenac Reduces Retinal Gliosis and Inflammation After Optic Nerve Crush. <i>Journal of Neuroinflammation</i> , 2016, 57, 6098.		16
41	Biological effects of silk fibroin 3D scaffolds on stem cells from human exfoliated deciduous teeth (SHEDs). <i>Odontology / the Society of the Nippon Dental University</i> , 2018, 106, 125-134.	1.9	16
42	Biological effects of acid-eroded MTA Repair HP and ProRoot MTA on human periodontal ligament stem cells. <i>Clinical Oral Investigations</i> , 2019, 23, 3915-3924.	3.0	16
43	Evaluation of changes in ion release and biological properties of NeoMTA Plus and Endocem MTA exposed to an acidic environment. <i>International Endodontic Journal</i> , 2019, 52, 1196-1209.	5.0	16
44	Furanocoumarins. <i>Studies in Natural Products Chemistry</i> , 2014, 43, 145-195.	1.8	15
45	Bone Marrow-Derived Mononuclear Cell Transplants Decrease Retinal Gliosis in Two Animal Models of Inherited Photoreceptor Degeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7252.	4.1	14
46	Are Denture Adhesives Safe for Oral Cells?. <i>Journal of Prosthodontics</i> , 2021, 30, 65-70.	3.7	14
47	Generation of RRMS and PPMS specific iPSCs as a platform for modeling Multiple Sclerosis. <i>Stem Cell Research</i> , 2021, 53, 102319.	0.7	13
48	Positive and negative regulation by SLP-76/ADAP and Pyk2 of chemokine-stimulated T-lymphocyte adhesion mediated by integrin $\alpha 4 \beta 1$. <i>Molecular Biology of the Cell</i> , 2015, 26, 3215-3228.	2.1	12
49	Production via good manufacturing practice of exofucosylated human mesenchymal stromal cells for clinical applications. <i>Cytotherapy</i> , 2018, 20, 1110-1123.	0.7	12
50	Exofucosylation of Adipose Mesenchymal Stromal Cells Alters Their Secretome Profile. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 584074.	3.7	12
51	Mesenchymal stromal cell therapy for damaged retinal ganglion cells, is gold all that glitters?. <i>Neural Regeneration Research</i> , 2019, 14, 1851.	3.0	12
52	In Vitro Effect of Putty Calcium Silicate Materials on Human Periodontal Ligament Stem Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 325.	2.5	11
53	Human Dental Pulp Stem Cells Exhibit Different Biological Behaviours in Response to Commercial Bleaching Products. <i>Materials</i> , 2018, 11, 1098.	2.9	10
54	In vitro biocompatibility testing of 3D printing and conventional resins for occlusal devices. <i>Journal of Dentistry</i> , 2022, 123, 104163.	4.1	10

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55	Analysis of the Adherence of Dental Pulp Stem Cells on Two-Dimensional and Three-Dimensional Silk Fibroin-Based Biomaterials. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 939-943.	0.7	9
56	Melatonin Treatment Alters Biological and Immunomodulatory Properties of Human Dental Pulp Mesenchymal Stem Cells via Augmented Transforming Growth Factor Beta Secretion. <i>Journal of Endodontics</i> , 2021, 47, 424-435.	3.1	9
57	Differentiation of human adult-derived stem cells towards a neural lineage involves a dedifferentiation event prior to differentiation to neural phenotypes. <i>Scientific Reports</i> , 2021, 11, 12034.	3.3	9
58	In Vitro Study of New Photochemotherapeutic Compounds for Extracorporeal Photopheresis.. <i>Blood</i> , 2012, 120, 2144-2144.	1.4	9
59	Neuroprotection and Axonal Regeneration Induced by Bone Marrow Mesenchymal Stromal Cells Depend on the Type of Transplant. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 772223.	3.7	9
60	Potential of graphene for tissue engineering applications. <i>Translational Research</i> , 2015, 166, 399-400.	5.0	8
61	Safety and Biodistribution of Human Bone Marrow-Derived Mesenchymal Stromal Cells Injected Intrathecally in Non-Obese Diabetic Severe Combined Immunodeficiency Mice: Preclinical Study. <i>Tissue Engineering and Regenerative Medicine</i> , 2019, 16, 525-538.	3.7	8
62	Biom mineralization potential and biological properties of a new tantalum oxide (Ta ₂ O ₅)-containing calcium silicate cement. <i>Clinical Oral Investigations</i> , 2022, 26, 1427-1441.	3.0	8
63	Topical fluoride varnishes promote several biological responses on human gingival cells. <i>Annals of Anatomy</i> , 2021, 237, 151723.	1.9	8
64	Chaperone-Mediated Autophagy Ablation in Pericytes Reveals New Glioblastoma Prognostic Markers and Efficient Treatment Against Tumor Progression. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 797945.	3.7	8
65	Intravitreal and subretinal syngeneic bone marrow mononuclear stem cell transplantation improves photoreceptor survival but does not ameliorate retinal function in two rat models of retinal degeneration. <i>Acta Ophthalmologica</i> , 2022, 100, .	1.1	7
66	Defibrotide: potential for treating endothelial dysfunction related to viral and post-infectious syndromes. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 423-433.	3.4	6
67	Bone marrow-derived mononuclear stem cells in the treatment of retinal degenerations. <i>Neural Regeneration Research</i> , 2022, 17, 1937.	3.0	5
68	Influence of dual-cure and self-cure abutment cements for crown implants on human gingival fibroblasts biological properties. <i>Annals of Anatomy</i> , 2022, 239, 151829.	1.9	4
69	Circulating Biomarkers of COVID-19-Triggered Endotheliopathy: From Conjecture to Certainty. <i>Blood</i> , 2020, 136, 31-32.	1.4	4
70	Endothelial dysfunction and its critical role in COVID-19-associated coagulopathy: Defibrotide as an endothelium-protective, targeted therapy. <i>EJHaem</i> , 2021, 2, 680-681.	1.0	3
71	In Vitro Biocompatibility of Several Children's Toothpastes on Human Gingival Fibroblasts. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2954.	2.6	3
72	AB1011...Clinical trial of intravenous infusion of fucosylated bone marrow mesenchymal stem cells in patients with osteoporosis. , 2018, , .		2

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73	The Cytocompatibility of Silver Diamine Fluoride on Mesenchymal Stromal Cells from Human Exfoliated Deciduous Teeth: An In Vitro Study. <i>Materials</i> , 2022, 15, 2104.	2.9	2
74	<i>In Vitro</i> Biocompatibility of CPP-ACP and Fluoride-containing Desensitizers on Human Gingival Cells. <i>Operative Dentistry</i> , 2021, , .	1.2	2
75	Platelet function and microvesicle generation in patients with hemophilia A. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, 1408-1415.	0.5	1
76	Defibrotide for the Treatment of Endotheliitis Complicating Sars-Cov-2 Infection: Rationale and Ongoing Studies As Part of the International Defacovid Study Group. <i>Blood</i> , 2020, 136, 6-8.	1.4	1
77	BB02 Improves Therapeutical Effectiveness Of Extracorporeal Photopheresis With 8-MOP In a Murine Model Of Graft-Versus-Host Disease. <i>Blood</i> , 2013, 122, 5416-5416.	1.4	0
78	Description of New More Effective Photochemotherapeutic Compounds for Improving Effectiveness of Extracorporeal Photopheresis. <i>Blood</i> , 2014, 124, 4124-4124.	1.4	0
79	Autophagy in the Immunosuppressive Perivascular Microenvironment of Glioblastoma. , 2020, , .		0