

Daniel Gallego-Perez

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64
papers

1,550
citations

23
h-index

38
g-index

70
ext. papers

1,860
ext. citations

7.3
avg, IF

4.25
L-index

#	Paper	IF	Citations
64	Transient Middle Cerebral Artery Occlusion with an Intraluminal Suture Enables Reproducible Induction of Ischemic Stroke in Mice.. <i>Bio-protocol</i> , 2022 , 12, e4305	0.9	
63	Designer Extracellular Vesicles Modulate Pro-Neuronal Cell Responses and Improve Intracranial Retention.. <i>Advanced Healthcare Materials</i> , 2022 , e2100805	10.1	2
62	Nanotechnology-Driven Cell-Based Therapies in Regenerative Medicine.. <i>AAPS Journal</i> , 2022 , 24, 43	3.7	0
61	In Situ Deployment of Engineered Extracellular Vesicles into the Tumor Niche via Myeloid-Derived Suppressor Cells. <i>Advanced Healthcare Materials</i> , 2021 , e2101619	10.1	2
60	Nanotransfection-based vasculogenic cell reprogramming drives functional recovery in a mouse model of ischemic stroke. <i>Science Advances</i> , 2021 , 7,	14.3	9
59	A Novel Endocrine Role for the BAT-Released Lipokine 12,13-diHOME to Mediate Cardiac Function. <i>Circulation</i> , 2021 , 143, 145-159	16.7	20
58	Non-viral reprogramming of human nucleus pulposus cells with FOXF1 via extracellular vesicle delivery: an in vitro and in vivo study. <i>European Cells and Materials</i> , 2021 , 41, 90-107	4.3	7
57	Reciprocal Signaling between Myeloid Derived Suppressor and Tumor Cells Enhances Cellular Motility and is Mediated by Structural Cues in the Microenvironment. <i>Advanced Biology</i> , 2020 , 4, e2000049	4.9	3
56	Neurogenic tissue nanotransfection in the management of cutaneous diabetic polyneuropathy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 28, 102220	6	6
55	Micro- and Nanoscale Biointerrogation and Modulation of Neural Tissue [From Fundamental to Clinical and Military Applications 2020 , 383-417		
54	Nanomedicine-Based Strategies for Diabetes: Diagnostics, Monitoring, and Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 448-458	8.8	9
53	Early Intervention in Ischemic Tissue with Oxygen Nanocarriers Enables Successful Implementation of Restorative Cell Therapies. <i>Cellular and Molecular Bioengineering</i> , 2020 , 13, 435-446	3.9	5
52	Guided migration analyses at the single-clone level uncover cellular targets of interest in tumor-associated myeloid-derived suppressor cell populations. <i>Scientific Reports</i> , 2020 , 10, 1189	4.9	3
51	Nanoelectroporation and Collection of Genetically Modified Exosomes in Primary Cultures of Dendritic Cells. <i>Methods in Molecular Biology</i> , 2020 , 2050, 79-84	1.4	5
50	Isolation and Nanoscale Electroporation of Primary Neuronal Cultures In Situ. <i>Methods in Molecular Biology</i> , 2020 , 2050, 145-152	1.4	2
49	Nanochannel-Based Poration Drives Benign and Effective Nonviral Gene Delivery to Peripheral Nerve Tissue. <i>Advanced Biology</i> , 2020 , 4, e2000157	3.5	8
48	Nonviral Transfection With Brachyury Reprograms Human Intervertebral Disc Cells to a Pro-Anabolic Anti-Catabolic/Inflammatory Phenotype: A Proof of Concept Study. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2389-2400	3.8	4

47	Phenotypic Plasticity of Invasive Edge Glioma Stem-like Cells in Response to Ionizing Radiation. <i>Cell Reports</i> , 2019 , 26, 1893-1905.e7	10.6	84
46	Lab-on-a-Chip Platforms for Biophysical Studies of Cancer with Single-Cell Resolution. <i>Trends in Biotechnology</i> , 2018 , 36, 549-561	15.1	22
45	Topical tissue nano-transfection mediates non-viral stroma reprogramming and rescue. <i>Nature Nanotechnology</i> , 2017 , 12, 974-979	28.7	78
44	Molecular Beacon Nano-Sensors for Probing Living Cancer Cells. <i>Trends in Biotechnology</i> , 2017 , 35, 347-359	15.1	45
43	3D nanochannel electroporation for high-throughput cell transfection with high uniformity and dosage control. <i>Nanoscale</i> , 2016 , 8, 243-52	7.7	62
42	Controllable Large-Scale Transfection of Primary Mammalian Cardiomyocytes on a Nanochannel Array Platform. <i>Small</i> , 2016 , 12, 5971-5980	11	56
41	On-Chip Clonal Analysis of Glioma-Stem-Cell Motility and Therapy Resistance. <i>Nano Letters</i> , 2016 , 16, 5326-32	11.5	36
40	The human PMR1 endonuclease stimulates cell motility by down regulating miR-200 family microRNAs. <i>Nucleic Acids Research</i> , 2016 , 44, 5811-9	20.1	7
39	Deterministic transfection drives efficient nonviral reprogramming and uncovers reprogramming barriers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 399-409	6	29
38	Serine/Threonine Kinase MLK4 Determines Mesenchymal Identity in Glioma Stem Cells in an NF-B-dependent Manner. <i>Cancer Cell</i> , 2016 , 29, 201-13	24.3	98
37	Nanofabrication: Controllable Large-Scale Transfection of Primary Mammalian Cardiomyocytes on a Nanochannel Array Platform (Small 43/2016). <i>Small</i> , 2016 , 12, 5914-5914	11	0
36	Micro-/nanoscale electroporation. <i>Lab on A Chip</i> , 2016 , 16, 4047-4062	7.2	59
35	Dielectrophoresis-assisted 3D nanoelectroporation for non-viral cell transfection in adoptive immunotherapy. <i>Lab on A Chip</i> , 2015 , 15, 3147-53	7.2	72
34	Nanochannel Electroporation as a Platform for Living Cell Interrogation in Acute Myeloid Leukemia. <i>Advanced Science</i> , 2015 , 2, 1500111	13.6	23
33	Bosch etching for the creation of a 3D nanoelectroporation system for high throughput gene delivery. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 06F903	1.3	4
32	Pancreatic Epithelial Cells Form Islet-Like Clusters in the Absence of Directed Migration. <i>Cellular and Molecular Bioengineering</i> , 2015 , 8, 496-506	3.9	1
31	Controlled neuronal cell patterning and guided neurite growth on micropatterned nanofiber platforms. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 125001	2	16
30	Magnetic tweezers-based 3D microchannel electroporation for high-throughput gene transfection in living cells. <i>Small</i> , 2015 , 11, 1818-1828	11	67

29	Effect of nonendocytic uptake of nanoparticles on human bronchial epithelial cells. <i>Analytical Chemistry</i> , 2015 , 87, 3208-15	7.8	17
28	Microwell array-mediated delivery of lipoplexes containing nucleic acids for enhanced therapeutic efficacy. <i>Methods in Molecular Biology</i> , 2015 , 1218, 131-42	1.4	
27	Single-cell trapping and selective treatment via co-flow within a microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 298-305	11.8	27
26	Rapid hot embossing of polymer microstructures using carbide-bonded graphene coating on silicon stampers. <i>Surface and Coatings Technology</i> , 2014 , 258, 174-180	4.4	44
25	DNA translocation through short nanofluidic channels under asymmetric pulsed electric field. <i>Biomicrofluidics</i> , 2014 , 8, 024114	3.2	11
24	Targeted delivery of tumor suppressor microRNA-1 by transferrin-conjugated lipopolyplex nanoparticles to patient-derived glioblastoma stem cells. <i>Current Pharmaceutical Biotechnology</i> , 2014 , 15, 839-46	2.6	48
23	Atomic carbide bonding leading to superior graphene networks. <i>Advanced Materials</i> , 2013 , 25, 4668-72	24	23
22	Gene delivery to cultured embryonic stem cells using nanofiber-based sandwich electroporation. <i>Analytical Chemistry</i> , 2013 , 85, 1401-7	7.8	18
21	Thermally grown TiO ₂ nanowires to improve cell growth and proliferation on titanium based materials. <i>Ceramics International</i> , 2013 , 39, 5949-5954	5.1	30
20	Surface-mediated nucleic acid delivery by lipoplexes prepared in microwell arrays. <i>Small</i> , 2013 , 9, 2358-67	11	8
19	Effects of density of anisotropic microstamped silica thin films on guided bone tissue regeneration—in vitro study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013 , 101, 762-9	3.5	13
18	Reinforced Portland cement porous scaffolds for load-bearing bone tissue engineering applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012 , 100, 501-7	3.5	7
17	Micropatterned thermoresponsive surfaces by polymerization of monomer crystals: modulating cellular morphology and cell-substrate interactions. <i>Analytical Chemistry</i> , 2012 , 84, 9439-45	7.8	4
16	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. <i>Dental Materials</i> , 2012 , 28, 1250-60	5.7	21
15	Propagation of Human Bone Marrow Stem Cells for Craniofacial Applications. <i>Stem Cells and Cancer Stem Cells</i> , 2012 , 107-122		1
14	Microfabricated mimics of in vivo structural cues for the study of guided tumor cell migration. <i>Lab on A Chip</i> , 2012 , 12, 4424-32	7.2	39
13	Micro/nanoscale technologies for the development of hormone-expressing islet-like cell clusters. <i>Biomedical Microdevices</i> , 2012 , 14, 779-89	3.7	14
12	Soft Lithography-Based Fabrication of Biopolymer Microparticles for Nutrient Microencapsulation. <i>Industrial Biotechnology</i> , 2012 , 8, 365-371	1.3	6

11	Isotropic micropatterned silica coatings on zirconia induce guided cell growth for dental implants. <i>Dental Materials</i> , 2011 , 27, 581-9	5.7	47
10	Portland cement for bone tissue engineering: Effects of processing and metakaolin blends. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 98, 308-15	3.5	13
9	Vacuum-assisted cell seeding in a microwell cell culture system. <i>Analytical Chemistry</i> , 2010 , 82, 2380-6	7.8	21
8	High throughput assembly of spatially controlled 3D cell clusters on a micro/nanoplatfrom. <i>Lab on A Chip</i> , 2010 , 10, 775-82	7.2	50
7	Early spreading and propagation of human bone marrow stem cells on isotropic and anisotropic topographies of silica thin films produced via microstamping. <i>Microscopy and Microanalysis</i> , 2010 , 16, 670-6	0.5	13
6	Versatile methods for the fabrication of polyvinylidene fluoride microstructures. <i>Biomedical Microdevices</i> , 2010 , 12, 1009-17	3.7	22
5	Housekeeping gene stability influences the quantification of osteogenic markers during stem cell differentiation to the osteogenic lineage. <i>Cytotechnology</i> , 2010 , 62, 109-20	2.2	37
4	Synthesis of silver-zeolite films on micropatterned porous alumina and its application as an antimicrobial substrate. <i>Microporous and Mesoporous Materials</i> , 2010 , 135, 131-136	5.3	37
3	Microphone based on Polyvinylidene Fluoride (PVDF) micro-pillars and patterned electrodes. <i>Sensors and Actuators A: Physical</i> , 2009 , 153, 24-32	3.9	68
2	Bioactive coatings on Portland cement substrates: Surface precipitation of apatite-like crystals. <i>Materials Science and Engineering C</i> , 2008 , 28, 347-352	8.3	28
1	Multilayer micromolding of degradable polymer tissue engineering scaffolds. <i>Materials Science and Engineering C</i> , 2008 , 28, 353-358	8.3	37