Daniel Gallego-Perez

List of Publications by Year
in descending order

66	2,200	185998 28	233125 45
papers	citations	h-index	g-index

70	70	70	3129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phenotypic Plasticity of Invasive Edge Glioma Stem-like Cells in Response to Ionizing Radiation. Cell Reports, 2019, 26, 1893-1905.e7.	2.9	161
2	Serine/Threonine Kinase MLK4 Determines Mesenchymal Identity in Glioma Stem Cells in an NF-ÎºB-dependent Manner. Cancer Cell, 2016, 29, 201-213.	7.7	147
3	Topical tissue nano-transfection mediates non-viral stroma reprogramming and rescue. Nature Nanotechnology, 2017, 12, 974-979.	15.6	122
4	Dielectrophoresis-assisted 3D nanoelectroporation for non-viral cell transfection in adoptive immunotherapy. Lab on A Chip, 2015, 15, 3147-3153.	3.1	92
5	Micro-/nanoscale electroporation. Lab on A Chip, 2016, 16, 4047-4062.	3.1	90
6	3D nanochannel electroporation for high-throughput cell transfection with high uniformity and dosage control. Nanoscale, 2016, 8, 243-252.	2.8	88
7	Magnetic Tweezers-Based 3D Microchannel Electroporation for High-Throughput Gene Transfection in Living Cells. Small, 2015, 11, 1818-1828.	5.2	83
8	A Novel Endocrine Role for the BAT-Released Lipokine 12,13-diHOME to Mediate Cardiac Function. Circulation, 2021, 143, 145-159.	1.6	81
9	Microphone based on Polyvinylidene Fluoride (PVDF) micro-pillars and patterned electrodes. Sensors and Actuators A: Physical, 2009, 153, 24-32.	2.0	77
10	Controllable Large-Scale Transfection of Primary Mammalian Cardiomyocytes on a Nanochannel Array Platform. Small, 2016, 12, 5971-5980.	5.2	64
11	Targeted Delivery of Tumor Suppressor microRNA-1 by Transferrin- Conjugated Lipopolyplex Nanoparticles to Patient-Derived Glioblastoma Stem Cells. Current Pharmaceutical Biotechnology, 2014, 15, 839-846.	0.9	62
12	Molecular Beacon Nano-Sensors for Probing Living Cancer Cells. Trends in Biotechnology, 2017, 35, 347-359.	4.9	58
13	High throughput assembly of spatially controlled 3D cell clusters on a micro/nanoplatform. Lab on A Chip, 2010, 10, 775.	3.1	55
14	Rapid hot embossing of polymer microstructures using carbide-bonded graphene coating on silicon stampers. Surface and Coatings Technology, 2014, 258, 174-180.	2.2	55
15	Isotropic micropatterned silica coatings on zirconia induce guided cell growth for dental implants. Dental Materials, 2011, 27, 581-589.	1.6	52
16	Microfabricated mimics of in vivo structural cues for the study of guided tumor cell migration. Lab on A Chip, 2012, 12, 4424.	3.1	49
17	Housekeeping gene stability influences the quantification of osteogenic markers during stem cell differentiation to the osteogenic lineage. Cytotechnology, 2010, 62, 109-120.	0.7	45
18	On-Chip Clonal Analysis of Glioma-Stem-Cell Motility and Therapy Resistance. Nano Letters, 2016, 16, 5326-5332.	4.5	44

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19	Multilayer micromolding of degradable polymer tissue engineering scaffolds. Materials Science and Engineering C, 2008, 28, 353-358.	3.8	42
20	Synthesis of silver-zeolite films on micropatterned porous alumina and its application as an antimicrobial substrate. Microporous and Mesoporous Materials, 2010, 135, 131-136.	2.2	41
21	Deterministic transfection drives efficient nonviral reprogramming and uncovers reprogramming barriers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 399-409.	1.7	37
22	Nanomedicine-Based Strategies for Diabetes: Diagnostics, Monitoring, and Treatment. Trends in Endocrinology and Metabolism, 2020, 31, 448-458.	3.1	36
23	Lab-on-a-Chip Platforms for Biophysical Studies of Cancer with Single-Cell Resolution. Trends in Biotechnology, 2018, 36, 549-561.	4.9	33
24	Thermally grown TiO2 nanowires to improve cell growth and proliferation on titanium based materials. Ceramics International, 2013, 39, 5949-5954.	2.3	32
25	Single-cell trapping and selective treatment via co-flow within a microfluidic platform. Biosensors and Bioelectronics, 2014, 61, 298-305.	5.3	32
26	Nanotransfection-based vasculogenic cell reprogramming drives functional recovery in a mouse model of ischemic stroke. Science Advances, 2021, 7, .	4.7	32
27	Nanochannel Electroporation as a Platform for Living Cell Interrogation in Acute Myeloid Leukemia. Advanced Science, 2015, 2, 1500111.	5.6	31
28	Bioactive coatings on Portland cement substrates: Surface precipitation of apatite-like crystals. Materials Science and Engineering C, 2008, 28, 347-352.	3.8	30
29	Atomic Carbide Bonding Leading to Superior Graphene Networks. Advanced Materials, 2013, 25, 4668-4672.	11.1	27
30	Versatile methods for the fabrication of polyvinylidene fluoride microstructures. Biomedical Microdevices, 2010, 12, 1009-1017.	1.4	26
31	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. Dental Materials, 2012, 28, 1250-1260.	1.6	24
32	Gene Delivery to Cultured Embryonic Stem Cells Using Nanofiber-Based Sandwich Electroporation. Analytical Chemistry, 2013, 85, 1401-1407.	3.2	24
33	Portland cement for bone tissue engineering: Effects of processing and metakaolin blends. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 98B, 308-315.	1.6	22
34	Non-viral reprogramming of human nucleus pulposus cells with FOXF1 via extracellular vesicle delivery: an in vitro and in vivo study. , 2021, 41, 90-107.		22
35	Vacuum-Assisted Cell Seeding in a Microwell Cell Culture System. Analytical Chemistry, 2010, 82, 2380-2386.	3.2	21
36	Controlled neuronal cell patterning and guided neurite growth on micropatterned nanofiber platforms. Journal of Micromechanics and Microengineering, 2015, 25, 125001.	1.5	20

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37	Effect of Nonendocytic Uptake of Nanoparticles on Human Bronchial Epithelial Cells. Analytical Chemistry, 2015, 87, 3208-3215.	3.2	20
38	Nonviral Transfection With Brachyury Reprograms Human Intervertebral Disc Cells to a Proâ€Anabolic Antiâ€Catabolic/Inflammatory Phenotype: A Proof of Concept Study. Journal of Orthopaedic Research, 2019, 37, 2389-2400.	1.2	17
39	Effects of density of anisotropic microstamped silica thin films on guided bone tissue regenerationâ€"In vitro study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 762-769.	1.6	16
40	Neurogenic tissue nanotransfection in the management of cutaneous diabetic polyneuropathy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102220.	1.7	16
41	Micro/nanoscale technologies for the development of hormone-expressing islet-like cell clusters. Biomedical Microdevices, 2012, 14, 779-789.	1.4	15
42	Early Spreading and Propagation of Human Bone Marrow Stem Cells on Isotropic and Anisotropic Topographies of Silica Thin Films Produced via Microstamping. Microscopy and Microanalysis, 2010, 16, 670-676.	0.2	14
43	DNA translocation through short nanofluidic channels under asymmetric pulsed electric field. Biomicrofluidics, 2014, 8, 024114.	1.2	13
44	The human PMR1 endonuclease stimulates cell motility by down regulating miR-200 family microRNAs. Nucleic Acids Research, 2016, 44, 5811-5819.	6.5	12
45	Nanochannelâ€Based Poration Drives Benign and Effective Nonviral Gene Delivery to Peripheral Nerve Tissue. Advanced Biology, 2020, 4, e2000157.	3.0	12
46	Reinforced Portland cement porous scaffolds for loadâ€bearing bone tissue engineering applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 501-507.	1.6	11
47	In Situ Deployment of Engineered Extracellular Vesicles into the Tumor Niche via Myeloidâ€Derived Suppressor Cells. Advanced Healthcare Materials, 2022, 11, e2101619.	3.9	11
48	Surfaceâ€Mediated Nucleic Acid Delivery by Lipoplexes Prepared in Microwell Arrays. Small, 2013, 9, 2358-2367.	5.2	10
49	Early Intervention in Ischemic Tissue with Oxygen Nanocarriers Enables Successful Implementation of Restorative Cell Therapies. Cellular and Molecular Bioengineering, 2020, 13, 435-446.	1.0	9
50	Nanotechnology-Driven Cell-Based Therapies in Regenerative Medicine. AAPS Journal, 2022, 24, 43.	2.2	9
51	Nanoelectroporation and Collection of Genetically Modified Exosomes in Primary Cultures of Dendritic Cells. Methods in Molecular Biology, 2020, 2050, 79-84.	0.4	8
52	Guided migration analyses at the single-clone level uncover cellular targets of interest in tumor-associated myeloid-derived suppressor cell populations. Scientific Reports, 2020, 10, 1189.	1.6	7
53	Soft Lithography-Based Fabrication of Biopolymer Microparticles for Nutrient Microencapsulation. Industrial Biotechnology, 2012, 8, 365-371.	0.5	6
54	Bosch etching for the creation of a 3D nanoelectroporation system for high throughput gene delivery. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, .	0.6	6

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55	Reciprocal Signaling between Myeloid Derived Suppressor and Tumor Cells Enhances Cellular Motility and is Mediated by Structural Cues in the Microenvironment. Advanced Biology, 2020, 4, 2000049.	3.0	6
56	Designer Extracellular Vesicles Modulate Proâ€Neuronal Cell Responses and Improve Intracranial Retention. Advanced Healthcare Materials, 2022, , 2100805.	3.9	6
57	Micropatterned Thermoresponsive Surfaces by Polymerization of Monomer Crystals: Modulating Cellular Morphology and Cellâ€“Substrate Interactions. Analytical Chemistry, 2012, 84, 9439-9445.	3.2	4
58	Transient Middle Cerebral Artery Occlusion with an Intraluminal Suture Enables Reproducible Induction of Ischemic Stroke in Mice. Bio-protocol, 2022, 12, e4305.	0.2	4
59	Propagation of Human Bone Marrow Stem Cells for Craniofacial Applications. Stem Cells and Cancer Stem Cells, 2012, , 107-122.	0.1	3
60	Isolation and Nanoscale Electroporation of Primary Neuronal Cultures In Situ. Methods in Molecular Biology, 2020, 2050, 145-152.	0.4	2
61	Pancreatic Epithelial Cells Form Islet-Like Clusters in the Absence of Directed Migration. Cellular and Molecular Bioengineering, 2015, 8, 496-506.	1.0	1
62	3D Si-based nanochannel platform for robust cell electroporation. , 2015, , .		1
63	Nanofabrication: Controllable Large-Scale Transfection of Primary Mammalian Cardiomyocytes on a Nanochannel Array Platform (Small 43/2016). Small, 2016, 12, 5914-5914.	5.2	1
64	Polymer MEMS for Measuring Single Cell Forces. , 2010, , .		0
65	Validation and Characterization of an Acoustic Sensor Based on PVDF Micropillars and Patterned Electrodes. , 2010, , .		0
66	Microwell Array-Mediated Delivery of Lipoplexes Containing Nucleic Acids for Enhanced Therapeutic Efficacy. Methods in Molecular Biology, 2015, 1218, 131-142.	0.4	0