

Daniel Gallego-Perez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5393288/daniel-gallego-perez-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
63	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
62	Topical tissue nano-transfection mediates non-viral stroma reprogramming and rescue. <i>Nature Nanotechnology</i> , 2017 , 12, 974-979	28.7	78
61	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
60	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
59	Magnetic tweezers-based 3D microchannel electroporation for high-throughput gene transfection in living cells. <i>Small</i> , 2015 , 11, 1818-1828	11	67
58	3D nanochannel electroporation for high-throughput cell transfection with high uniformity and dosage control. <i>Nanoscale</i> , 2016 , 8, 243-52	7.7	62
57	Micro-/nanoscale electroporation. <i>Lab on A Chip</i> , 2016 , 16, 4047-4062	7.2	59
56	Controllable Large-Scale Transfection of Primary Mammalian Cardiomyocytes on a Nanochannel Array Platform. <i>Small</i> , 2016 , 12, 5971-5980	11	56
55	High throughput assembly of spatially controlled 3D cell clusters on a micro/nanoplatfom. <i>Lab on A Chip</i> , 2010 , 10, 775-82	7.2	50
54	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
53	Isotropic micropatterned silica coatings on zirconia induce guided cell growth for dental implants. <i>Dental Materials</i> , 2011 , 27, 581-9	5.7	47
52	Molecular Beacon Nano-Sensors for Probing Living Cancer Cells. <i>Trends in Biotechnology</i> , 2017 , 35, 347-359.1	5.1	45
51	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
50	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
49	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
48	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

47	Multilayer micromolding of degradable polymer tissue engineering scaffolds. <i>Materials Science and Engineering C</i> , 2008 , 28, 353-358	8.3	37
46	On-Chip Clonal Analysis of Glioma-Stem-Cell Motility and Therapy Resistance. <i>Nano Letters</i> , 2016 , 16, 5326-32	11.5	36
45	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
44	Deterministic transfection drives efficient nonviral reprogramming and uncovers reprogramming barriers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 399-409	6	29
43	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
42	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
41	Atomic carbide bonding leading to superior graphene networks. <i>Advanced Materials</i> , 2013 , 25, 4668-72	24	23
40	Nanochannel Electroporation as a Platform for Living Cell Interrogation in Acute Myeloid Leukemia. <i>Advanced Science</i> , 2015 , 2, 1500111	13.6	23
39	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
38	Versatile methods for the fabrication of polyvinylidene fluoride microstructures. <i>Biomedical Microdevices</i> , 2010 , 12, 1009-17	3.7	22
37	Micropatterned silica thin films with nanohydroxyapatite micro-aggregates for guided tissue regeneration. <i>Dental Materials</i> , 2012 , 28, 1250-60	5.7	21
36	Vacuum-assisted cell seeding in a microwell cell culture system. <i>Analytical Chemistry</i> , 2010 , 82, 2380-6	7.8	21
35	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
34	Gene delivery to cultured embryonic stem cells using nanofiber-based sandwich electroporation. <i>Analytical Chemistry</i> , 2013 , 85, 1401-7	7.8	18
33	Effect of nonendocytic uptake of nanoparticles on human bronchial epithelial cells. <i>Analytical Chemistry</i> , 2015 , 87, 3208-15	7.8	17
32	Controlled neuronal cell patterning and guided neurite growth on micropatterned nanofiber platforms. <i>Journal of Micromechanics and Microengineering</i> , 2015 , 25, 125001	2	16
31	Micro/nanoscale technologies for the development of hormone-expressing islet-like cell clusters. <i>Biomedical Microdevices</i> , 2012 , 14, 779-89	3.7	14
30	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

29	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
28	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
27	DNA translocation through short nanofluidic channels under asymmetric pulsed electric field. <i>Biomicrofluidics</i> , 2014 , 8, 024114	3.2	11
26	Nanomedicine-Based Strategies for Diabetes: Diagnostics, Monitoring, and Treatment. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 448-458	8.8	9
25	Nanotransfection-based vasculogenic cell reprogramming drives functional recovery in a mouse model of ischemic stroke. <i>Science Advances</i> , 2021 , 7,	14.3	9
24	Surface-mediated nucleic acid delivery by lipoplexes prepared in microwell arrays. <i>Small</i> , 2013 , 9, 2358-67	1	8
23	Nanochannel-Based Poration Drives Benign and Effective Nonviral Gene Delivery to Peripheral Nerve Tissue. <i>Advanced Biology</i> , 2020 , 4, e2000157	3.5	8
22	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
21	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
20	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
19	Neurogenic tissue nanotransfection in the management of cutaneous diabetic polyneuropathy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 28, 102220	6	6
18	Soft Lithography-Based Fabrication of Biopolymer Microparticles for Nutrient Microencapsulation. <i>Industrial Biotechnology</i> , 2012 , 8, 365-371	1.3	6
17	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
16	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
15	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
14	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
13	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
12	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, e2000045	2.5	3

11	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
10	Designer Extracellular Vesicles Modulate Pro-Neuronal Cell Responses and Improve Intracranial Retention.. <i>Advanced Healthcare Materials</i> , 2022 , e2100805	10.1	2
9	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
8	Isolation and Nanoscale Electroporation of Primary Neuronal Cultures In Situ. <i>Methods in Molecular Biology</i> , 2020 , 2050, 145-152	1.4	2
7	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
6	Propagation of Human Bone Marrow Stem Cells for Craniofacial Applications. <i>Stem Cells and Cancer Stem Cells</i> , 2012 , 107-122		1
5	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
4	Nanotechnology-Driven Cell-Based Therapies in Regenerative Medicine.. <i>AAPS Journal</i> , 2022 , 24, 43	3.7	0
3	Micro- and Nanoscale Biointerrogation and Modulation of Neural Tissue [From Fundamental to Clinical and Military Applications 2020 , 383-417		
2	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	
1	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	