Elena Garreta

List of Publications by Year
in descending order

37 papers	5,726 citations	293460 24 h-index	406436 35 g-index
38 all docs	38 docs citations	38 times ranked	11866 citing authors

#	Article	IF	Citations
1	Dissecting nephron morphogenesis using kidney organoids from human pluripotent stem cells. Current Opinion in Genetics and Development, 2022, 72, 22-29.	1.5	1
2	A diabetic milieu increases ACE2 expression and cellular susceptibility to SARS-CoV-2 infections in human kidney organoids and patient cells. Cell Metabolism, 2022, 34, 857-873.e9.	7.2	40
3	Evidence in favor of the essentiality of human cell membrane-bound ACE2 and against soluble ACE2 for SARS-CoV-2 infectivity. Cell, 2022, 185, 1837-1839.	13.5	17
4	Rethinking organoid technology through bioengineering. Nature Materials, 2021, 20, 145-155.	13.3	150
5	â€œHuman iPSC-derived kidney organoids towards clinical implementationsâ€. Current Opinion in Biomedical Engineering, 2021, 20, 100346.	1.8	4
6	Directed Differentiation of Human Pluripotent Stem Cells for the Generation of High-Order Kidney Organoids. Methods in Molecular Biology, 2021, 2258, 171-192.	0.4	2
7	Bioelectronic Recordings of Cardiomyocytes with Accumulation Mode Electrolyte Gated Organic Field Effect Transistors. Biosensors and Bioelectronics, 2020, 150, 111844.	5.3	36
8	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. Cell, 2020, 181, 905-913.e7.	13.5	1,827
9	Fine tuning the extracellular environment accelerates the derivation of kidney organoids from human pluripotent stem cells. Nature Materials, 2019, 18, 397-405.	13.3	201
10	Roadblocks in the Path of iPSC to the Clinic. Current Transplantation Reports, 2018, 5, 14-18.	0.9	30
11	Studying Kidney Disease Using Tissue and Genome Engineering in Human Pluripotent Stem Cells. Nephron, 2018, 138, 48-59.	0.9	10
12	Modeling epigenetic modifications in renal development and disease with organoids and genome editing. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	17
13	Kidney organoids for disease modeling. Oncotarget, 2018, 9, 12552-12553.	0.8	6
14	Active superelasticity in three-dimensional epithelia of controlled shape. Nature, 2018, 563, 203-208.	13.7	223
15	Tissue engineering by decellularization and 3D bioprinting. Materials Today, 2017, 20, 166-178.	8.3	202
16	Non-coding microRNAs for cardiac regeneration: Exploring novel alternatives to induce heart healing. Non-coding RNA Research, 2017, 2, 93-99.	2.4	5
17	Pluripotent Stem Cells and Skeletal Muscle Differentiation: Challenges and Immediate Applications. , 2017, , 1-35.		0
18	Genome editing in human pluripotent stem cells: a systematic approach unrevealing pancreas development and disease. Stem Cell Investigation, 2016, 3, 76-76.	1.3	1

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19	Regenerative strategies for kidney engineering. FEBS Journal, 2016, 283, 3303-3324.	2.2	34
20	Myocardial commitment from human pluripotent stem cells: Rapid production of human heart grafts. Biomaterials, 2016, 98, 64-78.	5.7	52
21	Low oxygen tension enhances the generation of lung progenitor cells from mouse embryonic and induced pluripotent stem cells. Physiological Reports, 2014, 2, e12075.	0.7	25
22	Effects of the Decellularization Method on the Local Stiffness of Acellular Lungs. Tissue Engineering - Part C: Methods, 2014, 20, 412-422.	1.1	51
23	Inhomogeneity of local stiffness in the extracellular matrix scaffold of fibrotic mouse lungs. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 186-195.	1.5	50
24	Effects of freezing/thawing on the mechanical properties of decellularized lungs. Journal of Biomedical Materials Research - Part A, 2014, 102, 413-419.	2.1	85
25	Local micromechanical properties of decellularized lung scaffolds measured with atomic force microscopy. Acta Biomaterialia, 2013, 9, 6852-6859.	4.1	77
26	Generation of Feeder-Free Pig Induced Pluripotent Stem Cells without Pou5f1. Cell Transplantation, 2012, 21, 815-825.	1.2	54
27	A bioreactor for subjecting cultured cells to fast-rate intermittent hypoxia. Respiratory Physiology and Neurobiology, 2012, 182, 47-52.	0.7	16
28	Simple Generation of Human Induced Pluripotent Stem Cells Using Poly-Î²-amino Esters As the Non-viral Gene Delivery System. Journal of Biological Chemistry, 2011, 286, 12417-12428.	1.6	68
29	Generation of Pig iPS Cells: A Model for Cell Therapy. Journal of Cardiovascular Translational Research, 2011, 4, 121-130.	1.1	84
30	Complete Meiosis from Human Induced Pluripotent Stem Cells. Stem Cells, 2011, 29, 1186-1195.	1.4	177
31	Disease-corrected haematopoietic progenitors from Fanconi anaemia induced pluripotent stem cells. Nature, 2009, 460, 53-59.	13.7	660
32	Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes. Nature Biotechnology, 2008, 26, 1276-1284.	9.4	1,275
33	Fabrication of a three-dimensional nanostructured biomaterial for tissue engineering of bone. New Biotechnology, 2007, 24, 75-80.	2.7	42
34	Osteogenic Differentiation of Mouse Embryonic Stem Cells and Mouse Embryonic Fibroblasts in a Three-Dimensional Self-Assembling Peptide Scaffold. Tissue Engineering, 2006, 12, 2215-2227.	4.9	154
35	Plasma Polymerization on Hydroxyapatite Powders to Increase Water Dispersability for Biomedical Applications. Plasma Processes and Polymers, 2006, 3, 553-561.	1.6	8
36	Fabrication of Bioactive Surfaces by Plasma Polymerization Techniques Using a Novel Acrylate-Derived Monomer. Plasma Processes and Polymers, 2005, 2, 605-611.	1.6	41

#	Article	IF	Citations
37	Research on Skeletal Muscle Diseases Using Pluripotent Stem Cells. , 0, , .		0