Pablo Perez-Pinera

List of Publications by Year in Descending Order

55 papers	3,390 citations	29 h-index	58 g-index
63 ext. papers	4,005 ext. citations	9.1 avg, IF	5.12 L-index

#	Paper	IF	Citations
55	Remote Laboratory Exercise to Develop Micropipetting Skills. *Journal of Microbiology and Biology Education*, **2021**, 22,	1.3	3
54	Optimizing Quantum Dot Probe Size for Single-Receptor Imaging. *ACS Nano*, **2020**, 14, 8343-8358	16.7	7
53	Epigenetic engineering of yeast reveals dynamic molecular adaptation to methylation stress and genetic modulators of specific DNMT3 family members. *Nucleic Acids Research*, **2020**, 48, 4081-4099	20.1	9
52	Treatment of a Mouse Model of ALS by In Vivo Base Editing. *Molecular Therapy*, **2020**, 28, 1177-1189	11.7	62
51	ABC-GWAS: Functional Annotation of Estrogen Receptor-Positive Breast Cancer Genetic Variants. *Frontiers in Genetics*, **2020**, 11, 730	4.5	0
50	Targeted exon skipping with AAV-mediated split adenine base editors. *Cell Discovery*, **2019**, 5, 41	22.3	16
49	Multiplexed and tunable transcriptional activation by promoter insertion using nuclease-assisted vector integration. *Nucleic Acids Research*, **2019**, 47, e67	20.1	7
48	Directed Evolution of CRISPR-Cas9 Base Editors. *Trends in Biotechnology*, **2019**, 37, 1151-1153	15.1	
47	Versatile and on-demand biologics co-production in yeast. *Nature Communications*, **2018**, 9, 77	17.4	16
46	Targeted Gene Knock Out Using Nuclease-Assisted Vector Integration: Hemi- and Homozygous Deletion of JAG1. *Methods in Molecular Biology*, **2018**, 1772, 233-248	1.4	3
45	CRISPR-SKIP: programmable gene splicing with single base editors. *Genome Biology*, **2018**, 19, 107	18.3	90
44	The continuously evolving CRISPR barcoding toolbox. *Genome Biology*, **2018**, 19, 143	18.3	6
43	Disruption of the 1L Isoform of GABP Reverses Glioblastoma Replicative Immortality in a TERT Promoter Mutation-Dependent Manner. *Cancer Cell*, **2018**, 34, 513-528.e8	24.3	55
42	Technological advances in integrating multi-kilobase DNA sequences into genomes. *Current Opinion in Biomedical Engineering*, **2018**, 7, 16-23	4.4	0
41	Mammalian Synthetic Biology: Engineering Biological Systems. *Annual Review of Biomedical Engineering*, **2017**, 19, 249-277	12	36
40	Production of Functional Anti-Ebola Antibodies in Pichia pastoris. *ACS Synthetic Biology*, **2017**, 6, 2183-2190	5.7	12
39	Targeted Gene Activation Using RNA-Guided Nucleases. *Methods in Molecular Biology*, **2017**, 1468, 235-50	1.4	4

38	Prosurvival long noncoding RNA regulates a subset of p53 targets in human colorectal cancer cells by binding to Matrin 3. *ELife*, **2017**, 6,	8.9	50
37	Synthetic biology and microbioreactor platforms for programmable production of biologics at the point-of-care. *Nature Communications*, **2016**, 7, 12211	17.4	50
36	Design and integration of a problem-based biofabrication course into an undergraduate biomedical engineering curriculum. *Journal of Biological Engineering*, **2016**, 10, 10	6.3	8
35	Engineering Synthetic Gene Circuits in Living Cells with CRISPR Technology. *Trends in Biotechnology* , **2016**, 34, 535-547	15.1	82
34	In Vivo Zinc Finger Nuclease-mediated Targeted Integration of a Glucose-6-phosphatase Transgene Promotes Survival in Mice With Glycogen Storage Disease Type IA. *Molecular Therapy*, **2016**, 24, 697-706	11.7	12
33	Multiplexed Targeted Genome Engineering Using a Universal Nuclease-Assisted Vector Integration System. *ACS Synthetic Biology*, **2016**, 5, 582-8	5.7	15
32	Putting Non-coding RNA on Display with CRISPR. *Molecular Cell*, **2015**, 59, 146-8	17.6	8
31	Correction of dystrophin expression in cells from Duchenne muscular dystrophy patients through genomic excision of exon 51 by zinc finger nucleases. *Molecular Therapy*, **2015**, 23, 523-32	11.7	86
30	Genome-wide specificity of DNA binding, gene regulation, and chromatin remodeling by TALE- and CRISPR/Cas9-based transcriptional activators. *Genome Research*, **2015**, 25, 1158-69	9.7	99
29	Scaffold-mediated lentiviral transduction for functional tissue engineering of cartilage. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E798-806	11.5	97
28	Multiplexed and programmable regulation of gene networks with an integrated RNA and CRISPR/Cas toolkit in human cells. *Molecular Cell*, **2014**, 54, 698-710	17.6	345
27	RNA-guided gene activation by CRISPR-Cas9-based transcription factors. *Nature Methods*, **2013**, 10, 973-6	21.6	861
26	Reading frame correction by targeted genome editing restores dystrophin expression in cells from Duchenne muscular dystrophy patients. *Molecular Therapy*, **2013**, 21, 1718-26	11.7	141
25	Synergistic and tunable human gene activation by combinations of synthetic transcription factors. *Nature Methods*, **2013**, 10, 239-42	21.6	181
24	Advances in targeted genome editing. *Current Opinion in Chemical Biology*, **2012**, 16, 268-77	9.7	127
23	Gene targeting to the ROSA26 locus directed by engineered zinc finger nucleases. *Nucleic Acids Research*, **2012**, 40, 3741-52	20.1	61
22	Pleiotrophin expression during odontogenesis. *Journal of Histochemistry and Cytochemistry*, **2012**, 60, 366-75	3.4	7
21	Clinical implication of Meissner□s corpuscles. *CNS and Neurological Disorders - Drug Targets*, **2012**, 11, 856-68	2.6	15

20	Immunotherapy for Alzheimer's disease: rational basis in ongoing clinical trials. *Current Pharmaceutical Design*, **2011**, 17, 508-20	3.3	44
19	Human odontoblasts express transient receptor protein and acid-sensing ion channel mechanosensor proteins. *Microscopy Research and Technique*, **2011**, 74, 457-63	2.8	25
18	The neurotrophic factor pleiotrophin modulates amphetamine-seeking behaviour and amphetamine-induced neurotoxic effects: evidence from pleiotrophin knockout mice. *Addiction Biology*, **2010**, 15, 403-12	4.6	32
17	Development and neuronal dependence of cutaneous sensory nerve formations: Lessons from neurotrophins. *Microscopy Research and Technique*, **2010**, 73, 513-29	2.8	26
16	Immunohistochemical profile of human pancreatic pacinian corpuscles. *Pancreas*, **2010**, 39, 403-10	2.6	15
15	Pleiotrophin inhibits hippocampal long-term potentiation: a role of pleiotrophin in learning and memory. *Growth Factors*, **2009**, 27, 189-94	1.6	16
14	Pleiotrophin produced by multiple myeloma induces transdifferentiation of monocytes into vascular endothelial cells: a novel mechanism of tumor-induced vasculogenesis. *Blood*, **2009**, 113, 1992-2002	2.3	70
13	Pleiotrophin, a multifunctional angiogenic factor: mechanisms and pathways in normal and pathological angiogenesis. *Current Opinion in Hematology*, **2008**, 15, 210-4	3.3	46
12	Anaplastic lymphoma kinase is activated through the pleiotrophin/receptor protein-tyrosine phosphatase beta/zeta signaling pathway: an alternative mechanism of receptor tyrosine kinase activation. *Journal of Biological Chemistry*, **2007**, 282, 28683-28690	5.4	104
11	Pleiotrophin, a multifunctional tumor promoter through induction of tumor angiogenesis, remodeling of the tumor microenvironment, and activation of stromal fibroblasts. *Cell Cycle*, **2007**, 6, 2877-83	4.7	51
10	Secretion of pleiotrophin stimulates breast cancer progression through remodeling of the tumor microenvironment. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10888-93	11.5	46
9	Anaplastic lymphoma kinase is expressed in different subtypes of human breast cancer. *Biochemical and Biophysical Research Communications*, **2007**, 358, 399-403	3.4	41
8	The receptor protein tyrosine phosphatase (RPTP)beta/zeta is expressed in different subtypes of human breast cancer. *Biochemical and Biophysical Research Communications*, **2007**, 362, 5-10	3.4	25
7	Identification of the angiogenesis signaling domain in pleiotrophin defines a mechanism of the angiogenic switch. *Biochemical and Biophysical Research Communications*, **2006**, 343, 653-8	3.4	32
6	Sodium chloride regulates Extracellular Regulated Kinase 1/2 in different tumor cell lines. *Molecular and Cellular Biochemistry*, **2006**, 293, 93-101	4.2	5
5	Hypertonicity activates GSK3beta in tumor cells. *Molecular and Cellular Biochemistry*, **2006**, 291, 93-100	4.2	3
4	Fyn is a downstream target of the pleiotrophin/receptor protein tyrosine phosphatase beta/zeta-signaling pathway: regulation of tyrosine phosphorylation of Fyn by pleiotrophin. *Biochemical and Biophysical Research Communications*, **2005**, 332, 664-9	3.4	84
3	Pleiotrophin stimulates tyrosine phosphorylation of beta-adducin through inactivation of the transmembrane receptor protein tyrosine phosphatase beta/zeta. *Biochemical and Biophysical Research Communications*, **2005**, 335, 232-9	3.4	65

2	Pleiotrophin regulates serine phosphorylation and the cellular distribution of beta-adducin through activation of protein kinase C. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 12407-12	11.5	53
1	Targeted Genome Editing Using Nuclease-assisted Vector Integration237-248		