

Antonio Bernad

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7478144/antonio-bernad-publications-by-year.pdf>

Version: 2024-04-27

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.

95
papers

6,606
citations

36
h-index

81
g-index

99
ext. papers

7,166
ext. citations

7.5
avg, IF

5.11
L-index

#	Paper	IF	Citations
95	Comparative proteomic analysis of nuclear and cytoplasmic compartments in human cardiac progenitor cells.. <i>Scientific Reports</i> , 2022 , 12, 146	4.9	
94	The Vascular Niche for Adult Cardiac Progenitor Cells. <i>Antioxidants</i> , 2022 , 11, 882	7.1	
93	Plasmatic Membrane Expression of Adhesion Molecules in Human Cardiac Progenitor/Stem Cells Might Explain Their Superior Cell Engraftment after Cell Transplantation. <i>Stem Cells International</i> , 2020 , 2020, 8872009	5	1
92	Dose-dependent improvement of cardiac function in a swine model of acute myocardial infarction after intracoronary administration of allogeneic heart-derived cells. <i>Stem Cell Research and Therapy</i> , 2019 , 10, 152	8.3	16
91	Age-related oxidative stress confines damage-responsive Bmi1 cells to perivascular regions in the murine adult heart. <i>Redox Biology</i> , 2019 , 22, 101156	11.3	4
90	Definition of a cell surface signature for human cardiac progenitor cells after comprehensive comparative transcriptomic and proteomic characterization. <i>Scientific Reports</i> , 2019 , 9, 4647	4.9	11
89	Oxidative Stress as a Critical Determinant of Adult Cardiac Progenitor Cell-Fate Decisions 2019 , 339-363		
88	Redox-dependent BMI1 activity drives in vivo adult cardiac progenitor cell differentiation. <i>Cell Death and Differentiation</i> , 2018 , 25, 809-822	12.7	23
87	Bmi1-Progenitor Cell Ablation Impairs the Angiogenic Response to Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2160-2173	9.4	7
86	Deregulation of the imprinted DLK1-DIO3 locus ncRNAs is associated with replicative senescence of human adipose-derived stem cells. <i>PLoS ONE</i> , 2018 , 13, e0206534	3.7	4
85	miRNA-1 and miRNA-133a are involved in early commitment of pluripotent stem cells and demonstrate antagonistic roles in the regulation of cardiac differentiation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 787-799	4.4	17
84	Polr1b deficiency induces moderate shortening of P53 mouse lifespan and modifies tumor spectrum. <i>DNA Repair</i> , 2017 , 54, 40-45	4.3	2
83	Rationale and Design of a Clinical Trial to Evaluate the Safety and Efficacy of Intracoronary Infusion of Allogeneic Human Cardiac Stem Cells in Patients With Acute Myocardial Infarction and Left Ventricular Dysfunction: The Randomized Multicenter Double-Blind Controlled CAREMI Trial (Cardiac Stem Cells in Patients With Acute Myocardial Infarction). <i>Circulation Research</i> , 2017 , 121, 71-80	15.7	32
82	CXCL6 is an important paracrine factor in the pro-angiogenic human cardiac progenitor-like cell secretome. <i>Scientific Reports</i> , 2017 , 7, 12490	4.9	28
81	Podocalyxin-like protein 1 is a relevant marker for human c-kit(pos) cardiac stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016 , 10, 580-90	4.4	13
80	miR-208b upregulation interferes with calcium handling in HL-1 atrial myocytes: Implications in human chronic atrial fibrillation. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 99, 162-173	5.8	51
79	Increased neuronal death and disturbed axonal growth in the Polr1b deficient mouse embryonic retina. <i>Scientific Reports</i> , 2016 , 6, 25928	4.9	3

78	Pivotal role for skin transendothelial radio-resistant anti-inflammatory macrophages in tissue repair. <i>ELife</i> , 2016 , 5,	8.9	24
77	Bmi1-mediated epigenetic signature acts as a critical barrier for direct reprogramming to mature cardiomyocytes. <i>Stem Cell Investigation</i> , 2016 , 3, 28	5.1	0
76	Bmi1 (+) cardiac progenitor cells contribute to myocardial repair following acute injury. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 100	8.3	28
75	Combined administration of mesenchymal stem cells overexpressing IGF-1 and HGF enhances neovascularization but moderately improves cardiac regeneration in a porcine model. <i>Stem Cell Research and Therapy</i> , 2016 , 7, 94	8.3	32
74	Identification and Characterization of the Dermal Panniculus Carnosus Muscle Stem Cells. <i>Stem Cell Reports</i> , 2016 , 7, 411-424	8	22
73	Exploring analytical proteomics platforms toward the definition of human cardiac stem cells receptome. <i>Proteomics</i> , 2015 , 15, 1332-7	4.8	13
72	Acellular human heart matrix: A critical step toward whole heart grafts. <i>Biomaterials</i> , 2015 , 61, 279-89	15.6	124
71	Exercise triggers ARVC phenotype in mice expressing a disease-causing mutated version of human plakophilin-2. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1438-50	15.1	71
70	Cardiac Bmi1(+) cells contribute to myocardial renewal in the murine adult heart. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 205	8.3	29
69	miR-335 correlates with senescence/aging in human mesenchymal stem cells and inhibits their therapeutic actions through inhibition of AP-1 activity. <i>Stem Cells</i> , 2014 , 32, 2229-44	5.8	52
68	Cell senescence abrogates the therapeutic potential of human mesenchymal stem cells in the lethal endotoxemia model. <i>Stem Cells</i> , 2014 , 32, 1865-77	5.8	119
67	miR-133a enhances the protective capacity of cardiac progenitors cells after myocardial infarction. <i>Stem Cell Reports</i> , 2014 , 3, 1029-42	8	96
66	Serine/threonine kinase 16 and MAL2 regulate constitutive secretion of soluble cargo in hepatic cells. <i>Biochemical Journal</i> , 2014 , 463, 201-13	3.8	17
65	Polr1b deficiency increases resistance to oxidative damage and delays liver aging. <i>PLoS ONE</i> , 2014 , 9, e93074	4.7	6
64	Increased learning and brain long-term potentiation in aged mice lacking DNA polymerase β <i>PLoS ONE</i> , 2013 , 8, e53243	3.7	13
63	Complement anaphylatoxins C3a and C5a induce a failing regenerative program in cardiac resident cells. Evidence of a role for cardiac resident stem cells other than cardiomyocyte renewal. <i>SpringerPlus</i> , 2012 , 1, 63		24
62	Characteristics of adult stem cells. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 741, 103-20	3.6	20
61	Efficient cell reprogramming using bioengineered surfaces. <i>Advanced Healthcare Materials</i> , 2012 , 1, 177-82	8.1	8

60	Unidirectional transfer of microRNA-loaded exosomes from T cells to antigen-presenting cells. <i>Nature Communications</i> , 2011 , 2, 282	17.4	1246
59	Deficient p27 phosphorylation at serine 10 increases macrophage foam cell formation and aggravates atherosclerosis through a proliferation-independent mechanism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2455-63	9.4	17
58	Retraction: Spontaneous human adult stem cell transformation. <i>Cancer Research</i> , 2010 , 70, 6682	10.1	90
57	A role for DNA polymerase mu in the emerging DJH rearrangements of the postgastrulation mouse embryo. <i>Molecular and Cellular Biology</i> , 2009 , 29, 1266-75	4.8	28
56	Altered hematopoiesis in mice lacking DNA polymerase mu is due to inefficient double-strand break repair. <i>PLoS Genetics</i> , 2009 , 5, e1000389	6	30
55	Increase in mitochondrial biogenesis, oxidative stress, and glycolysis in murine lymphomas. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 387-96	7.8	44
54	Age-dependent depletion of human skin-derived progenitor cells. <i>Stem Cells</i> , 2009 , 27, 1164-72	5.8	61
53	Human mesenchymal stem cell transformation is associated with a mesenchymal-epithelial transition. <i>Experimental Cell Research</i> , 2008 , 314, 691-8	4.2	76
52	Structure of the human protein kinase MPSK1 reveals an atypical activation loop architecture. <i>Structure</i> , 2008 , 16, 115-24	5.2	30
51	In vivo site-specific recombination using the beta-rec/six system. <i>BioTechniques</i> , 2008 , 45, 69-78	2.5	7
50	Molecular characterization of spontaneous mesenchymal stem cell transformation. <i>PLoS ONE</i> , 2008 , 3, e1398	3.7	131
49	Inducible model for beta-six-mediated site-specific recombination in mammalian cells. <i>Nucleic Acids Research</i> , 2006 , 34, e1	20.1	8
48	Generation of GABAergic and dopaminergic interneurons from endogenous embryonic olfactory bulb precursor cells. <i>Development (Cambridge)</i> , 2006 , 133, 4367-79	6.6	52
47	Nucleocytoplasmic shuttling of STK16 (PKL12), a Golgi-resident serine/threonine kinase involved in VEGF expression regulation. <i>Experimental Cell Research</i> , 2006 , 312, 135-44	4.2	18
46	SOCS up-regulation mobilizes autologous stem cells through CXCR4 blockade. <i>Blood</i> , 2006 , 108, 3928-37	7.2	24
45	Spontaneous human adult stem cell transformation. <i>Cancer Research</i> , 2005 , 65, 3035-9	10.1	899
44	ZAP-70 upregulation in transformed B cells after early pre-B1 cell transplant into NOD/SCID mice. <i>Oncogene</i> , 2005 , 24, 5119-24	9.2	4
43	Polymerase mu is up-regulated during the T cell-dependent immune response and its deficiency alters developmental dynamics of spleen centroblasts. <i>European Journal of Immunology</i> , 2005 , 35, 1601-11	6.1	16

42	Erratum to [Lentiviral Vector-Mediated Gene Transfer in T Cells from Wiskott-Aldrich Syndrome Patients Leads to Functional Correction] <i>Molecular Therapy</i> , 2005 , 11, 492	11.7	
41	Wiskott-Aldrich syndrome protein is needed for vaccinia virus pathogenesis. <i>Journal of Virology</i> , 2005 , 79, 2133-40	6.6	14
40	Overexpression of human DNA polymerase mu (Pol mu) in a Burkitt's lymphoma cell line affects the somatic hypermutation rate. <i>Nucleic Acids Research</i> , 2004 , 32, 5861-73	20.1	31
39	Absence of hematopoiesis from transplanted olfactory bulb neural stem cells. <i>European Journal of Neuroscience</i> , 2004 , 19, 505-12	3.5	39
38	The transcription factor SNAIL represses vitamin D receptor expression and responsiveness in human colon cancer. <i>Nature Medicine</i> , 2004 , 10, 917-9	50.5	226
37	Gold glyconanoparticles as new tools in antiadhesive therapy. <i>ChemBioChem</i> , 2004 , 5, 291-7	3.8	151
36	Lentiviral vector-mediated gene transfer in T cells from Wiskott-Aldrich syndrome patients leads to functional correction. <i>Molecular Therapy</i> , 2004 , 10, 903-15	11.7	92
35	Dedifferentiated adult articular chondrocytes: a population of human multipotent primitive cells. <i>Experimental Cell Research</i> , 2004 , 297, 313-28	4.2	70
34	Selective inactivation of p27(Kip1) in hematopoietic progenitor cells increases neointimal macrophage proliferation and accelerates atherosclerosis. <i>Blood</i> , 2004 , 103, 158-61	2.2	50
33	Highly efficient lentiviral-mediated human cytokine transgenesis on the NOD/scid background. <i>Blood</i> , 2004 , 103, 580-2	2.2	14
32	Interleukin-6 deficiency affects bone marrow stromal precursors, resulting in defective hematopoietic support. <i>Blood</i> , 2004 , 103, 3349-54	2.2	60
31	Novel interfering bifunctional molecules against the CCR5 coreceptor are efficient inhibitors of HIV-1 infection. <i>Molecular Therapy</i> , 2003 , 8, 475-84	11.7	21
30	A comparison of targeting performance of oncoretroviral versus lentiviral vectors on human keratinocytes. <i>Human Gene Therapy</i> , 2003 , 14, 1579-85	4.8	20
29	Glycodendritic structures based on Boltorn hyperbranched polymers and their interactions with Lens culinaris lectin. <i>Bioconjugate Chemistry</i> , 2003 , 14, 817-23	6.3	77
28	Single-step, multiple retroviral transduction of human T cells. <i>Journal of Gene Medicine</i> , 2002 , 4, 27-37	3.5	38
27	Functional interaction between the Ser/Thr kinase PKL12 and N-acetylglucosamine kinase, a prominent enzyme implicated in the salvage pathway for GlcNAc recycling. <i>Journal of Biological Chemistry</i> , 2002 , 277, 6333-43	5.4	22
26	Long-term repopulating ability of telomerase-deficient murine hematopoietic stem cells. <i>Blood</i> , 2002 , 99, 2767-75	2.2	127
25	A preclinical model for the analysis of genetically modified human skin in vivo. <i>Human Gene Therapy</i> , 2002 , 13, 959-68	4.8	85

24	Inhibition of programmed cell death impairs in vitro vascular-like structure formation and reduces in vivo angiogenesis. <i>FASEB Journal</i> , 2002 , 16, 833-41	0.9	96
23	Single-step, multiple retroviral transduction of human T cells. <i>Journal of Gene Medicine</i> , 2002 , 4, 27-37	3.5	7
22	High transfection efficiency of human umbilical vein endothelial cells using an optimized calcium phosphate method. <i>Analytical Biochemistry</i> , 2001 , 296, 143-7	3.1	11
21	A role for chemokine receptor transactivation in growth factor signaling. <i>EMBO Reports</i> , 2001 , 2, 151-6	6.5	73
20	Transplanted long-term cultured pre-B1 cells expressing calpastatin are resistant to B cell receptor-induced apoptosis. <i>Journal of Experimental Medicine</i> , 2001 , 194, 247-54	16.6	21
19	A cutaneous gene therapy approach to human leptin deficiencies: correction of the murine ob/ob phenotype using leptin-targeted keratinocyte grafts. <i>FASEB Journal</i> , 2001 , 15, 1529-38	0.9	62
18	New insights into host factor requirements for prokaryotic beta-recombinase-mediated reactions in mammalian cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16257-64	5.4	21
17	DNA polymerase mu, a candidate hypermutase?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001 , 356, 99-109	5.8	52
16	An optimized amphiphilic cationic peptide as an efficient non-viral gene delivery vector. <i>Journal of Gene Medicine</i> , 2000 , 2, 455-64	3.5	28
15	DNA polymerase lambda (Pol lambda), a novel eukaryotic DNA polymerase with a potential role in meiosis. <i>Journal of Molecular Biology</i> , 2000 , 301, 851-67	6.5	244
14	The prokaryotic beta-recombinase catalyzes site-specific recombination in mammalian cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6634-40	5.4	30
13	Cloning, expression analysis, and functional characterization of PKL12, a member of a new subfamily of ser/thr kinases. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 249, 380-4	3.4	21
12	A hammerhead ribozyme targeted to the human chemokine receptor CCR5. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 251, 592-6	3.4	24
11	Use of retroviral vectors in lymphohemato-poietic lineage analysis 1996 , 1127-1142		
10	Ex vivo expansion and selection of retrovirally transduced bone marrow: an efficient methodology for gene-transfer to murine lympho-haemopoietic stem cells. <i>British Journal of Haematology</i> , 1994 , 87, 6-17	4.5	29
9	Interleukin-6 is required in vivo for the regulation of stem cells and committed progenitors of the hematopoietic system. <i>Immunity</i> , 1994 , 1, 725-31	32.3	184
8	Evidence favouring the hypothesis of a conserved 3'-5' exonuclease active site in DNA-dependent DNA polymerases. <i>Gene</i> , 1992 , 112, 139-44	3.8	90
7	Metal activation of synthetic and degradative activities of phi 29 DNA polymerase, a model enzyme for protein-primed DNA replication. <i>Biochemistry</i> , 1992 , 31, 350-9	3.2	37

6	A general structure for DNA-dependent DNA polymerases. <i>Gene</i> , 1991 , 100, 27-38	3.8	219
5	A general structure for DNA-dependent DNA polymerases. <i>Gene</i> , 1991 , 108, 165	3.8	3
4	Site-directed mutagenesis of the YCDTDS amino acid motif of the phi 29 DNA polymerase. <i>Gene</i> , 1990 , 94, 45-51	3.8	27
3	A conserved 3'----5' exonuclease active site in prokaryotic and eukaryotic DNA polymerases. <i>Cell</i> , 1989 , 59, 219-28	56.2	414
2	Modification of the amino and hydroxyl groups of lysozyme with carboxylic acid anhydrides: a comparative study. <i>BBA - Proteins and Proteomics</i> , 1986 , 873, 350-355		6
1	Replication of phage phi 29 DNA in vitro: role of the viral protein p6 in initiation and elongation. <i>Nucleic Acids Research</i> , 1986 , 14, 4923-37	20.1	74