Antonia Follenzi

List of Publications by Year
in descending order

112 papers	7,749 citations	66315 42 h-index	53190 85 g-index
116 all docs	116 docs citations	116 times ranked	13218 citing authors

#	Article	IF	Citations
1	Gene transfer by lentiviral vectors is limited by nuclear translocation and rescued by HIV-1 pol sequences. Nature Genetics, 2000, 25, 217-222.	9.4	887
2	Microautophagy of Cytosolic Proteins by Late Endosomes. Developmental Cell, 2011, 20, 131-139.	3.1	728
3	Dopamine-modified Î±-synuclein blocks chaperone-mediated autophagy. Journal of Clinical Investigation, 2008, 118, 777-88.	3.9	531
4	Visualization of Dynamics of Single Endogenous mRNA Labeled in Live Mouse. Science, 2014, 343, 422-424.	6.0	283
5	Secretion of the Adipocyte-Specific Secretory Protein Adiponectin Critically Depends on Thiol-Mediated Protein Retention. Molecular and Cellular Biology, 2007, 27, 3716-3731.	1.1	275
6	The MET oncogene drives a genetic programme linking cancer to haemostasis. Nature, 2005, 434, 396-400.	13.7	245
7	Lentiviral vectors containing the human immunodeficiency virus type-1 central polypurine tract can efficiently transduce nondividing hepatocytes and antigen-presenting cells in vivo. Blood, 2002, 100, 813-822.	0.6	240
8	Biological Activation of pro-HGF (Hepatocyte Growth Factor) by Urokinase Is Controlled by a Stoichiometric Reaction. Journal of Biological Chemistry, 1995, 270, 603-611.	1.6	232
9	Targeting lentiviral vector expression to hepatocytes limits transgene-specific immune response and establishes long-term expression of human antihemophilic factor IX in mice. Blood, 2004, 103, 3700-3709.	0.6	206
10	Hepcidin as a therapeutic tool to limit iron overload and improve anemia in Î²-thalassemic mice. Journal of Clinical Investigation, 2010, 120, 4466-4477.	3.9	202
11	[26] Generation of HIV-1 derived lentiviral vectors. Methods in Enzymology, 2002, 346, 454-465.	0.4	178
12	Robust in vivo gene transfer into adult mammalian neural stem cells by lentiviral vectors. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14835-14840.	3.3	163
13	Repressor element-1 silencing transcription factor (REST)-dependent epigenetic remodeling is critical to ischemia-induced neuronal death. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E962-71.	3.3	162
14	Stability of Lentiviral Vector-Mediated Transgene Expression in the Brain in the Presence of Systemic Antivector Immune Responses. Human Gene Therapy, 2005, 16, 741-751.	1.4	137
15	The balance between IL-17 and IL-22 produced by liver-infiltrating T-helper cells critically controls NASH development in mice. Clinical Science, 2016, 130, 193-203.	1.8	116
16	Transplanted endothelial cells repopulate the liver endothelium and correct the phenotype of hemophilia A mice. Journal of Clinical Investigation, 2008, 118, 935-45.	3.9	114
17	Lentiviral Vector-Mediated Gene Transfer in T Cells from Wiskottâ€“Aldrich Syndrome Patients Leads to Functional Correction. Molecular Therapy, 2004, 10, 903-915.	3.7	106
18	Insulin-producing organoids engineered from islet and amniotic epithelial cells to treat diabetes. Nature Communications, 2019, 10, 4491.	5.8	106

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19	EphrinB reverse signaling contributes to endothelial and mural cell assembly into vascular structures. Blood, 2009, 114, 1707-1716.	0.6	99
20	The endogenous inhibitor of Akt, CTMP, is critical to ischemia-induced neuronal death. Nature Neuroscience, 2009, 12, 618-626.	7.1	98
21	HIV-based vectors. Preparation and use. Methods in Molecular Medicine, 2002, 69, 259-74.	0.8	89
22	Immune Responses to Lentiviral Vectors. Current Gene Therapy, 2007, 7, 306-315.	0.9	87
23	Hepatocyte Transplantation-Induced Liver Inflammation Is Driven by Cytokines-Chemokines Associated With Neutrophils and Kupffer Cells. Gastroenterology, 2009, 136, 1806-1817.	0.6	85
24	Lentiviral Vectors Encoding Human Immunodeficiency Virus Type 1 (HIV-1)-Specific T-Cell Receptor Genes Efficiently Convert Peripheral Blood CD8 T Lymphocytes into Cytotoxic T Lymphocytes with Potent In Vitro and In Vivo HIV-1-Specific Inhibitory Activity. Journal of Virology, 2008, 82, 3078-3089.	1.5	82
25	Nrf2, but not Î²â€catenin, mutation represents an early event in rat hepatocarcinogenesis. Hepatology, 2015, 62, 851-862.	3.6	81
26	Ex vivo gene therapy with lentiviral vectors rescues adenosine deaminase (ADA)â€“deficient mice and corrects their immune and metabolic defects. Blood, 2006, 108, 2979-2988.	0.6	76
27	Inhibition of In Vivo HIV Infection in Humanized Mice by Gene Therapy of Human Hematopoietic Stem Cells with a Lentiviral Vector Encoding a Broadly Neutralizing Anti-HIV Antibody. Journal of Virology, 2010, 84, 6645-6653.	1.5	75
28	Biological and clinical implications of BIRC3 mutations in chronic lymphocytic leukemia. Haematologica, 2020, 105, 448-456.	1.7	64
29	Efficient Tet-Dependent Expression of Human Factor IX in Vivo by a New Self-Regulating Lentiviral Vector. Molecular Therapy, 2005, 11, 763-775.	3.7	61
30	A Human Immunodeficiency Virus Type 1polGene-Derived Sequence (cPPT/CTS) Increases the Efficiency of Transduction of Human Nondividing Monocytes and T Lymphocytes by Lentiviral Vectors. Human Gene Therapy, 2002, 13, 1793-1807.	1.4	56
31	Treatment of the mouse model of mucopolysaccharidosis type IIIB with lentiviral-NAGLU vector. Biochemical Journal, 2005, 388, 639-646.	1.7	56
32	Mechanism of anion selectivity and stoichiometry of the Na ⁺ /I ⁻ symporter (NIS). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17933-17938.	3.3	55
33	Role of bone marrow transplantation for correcting hemophilia A in mice. Blood, 2012, 119, 5532-5542.	0.6	55
34	The Dendritic Cell Major Histocompatibility Complex II (MHC II) Peptidome Derives from a Variety of Processing Pathways and Includes Peptides with a Broad Spectrum of HLA-DM Sensitivity. Journal of Biological Chemistry, 2016, 291, 5576-5595.	1.6	54
35	Axons mediate the distribution of arylsulfatase a within the mouse hippocampus upon gene delivery. Molecular Therapy, 2005, 12, 669-679.	3.7	52
36	Monophasic and Biphasic Electrical Stimulation Induces a Precardiac Differentiation in Progenitor Cells Isolated from Human Heart. Stem Cells and Development, 2014, 23, 888-898.	1.1	52

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37	Decreasing TfR1 expression reverses anemia and hepcidin suppression in Î²-thalassemic mice. Blood, 2017, 129, 1514-1526.	0.6	52
38	A Novel Platform for Immune Tolerance Induction in Hemophilia A Mice. Molecular Therapy, 2017, 25, 1815-1830.	3.7	52
39	iPSC-Derived Liver Organoids: A Journey from Drug Screening, to Disease Modeling, Arriving to Regenerative Medicine. International Journal of Molecular Sciences, 2020, 21, 6215.	1.8	49
40	Annexin A2 binds to endosomes following organelle destabilization by particulate wear debris. Nature Communications, 2012, 3, 755.	5.8	47
41	Role of MAPK Phosphatase-1 in Sustained Activation of JNK during Ethanol-induced Apoptosis in Hepatocyte-like VL-17A Cells. Journal of Biological Chemistry, 2007, 282, 31900-31908.	1.6	46
42	Patient-Specific iPSC-Derived Endothelial Cells Provide Long-Term Phenotypic Correction of Hemophilia A. Stem Cell Reports, 2018, 11, 1391-1406.	2.3	46
43	HIV-Based Vectors: Preparation and Use. , 2002, , 259-274.		44
44	Efficiency of Onco-Retroviral and Lentiviral Gene Transfer into Primary Mouse and Human B-Lymphocytes Is Pseudotype Dependent. Human Gene Therapy, 2003, 14, 263-276.	1.4	44
45	Dissecting the transcriptional phenotype of ribosomal protein deficiency: implications for Diamond-Blackfan Anemia. Gene, 2014, 545, 282-289.	1.0	44
46	Extrahepatic sources of factor VIII potentially contribute to the coagulation cascade correcting the bleeding phenotype of mice with hemophilia A. Haematologica, 2015, 100, 881-892.	1.7	43
47	Hepatic targeting of transplanted liver sinusoidal endothelial cells in intact mice. Hepatology, 2005, 42, 140-148.	3.6	42
48	Enhanced erythropoiesis in Hfe-KO mice indicates a role for Hfe in the modulation of erythroid iron homeostasis. Blood, 2011, 117, 1379-1389.	0.6	42
49	Pharmacological postconditioning protects against hepatic ischemia/reperfusion injury. Liver Transplantation, 2011, 17, 474-482.	1.3	40
50	Oxidative and ER stress-dependent ASK1 activation in steatotic hepatocytes and Kupffer cells sensitizes mice fatty liver to ischemia/reperfusion injury. Free Radical Biology and Medicine, 2017, 112, 141-148.	1.3	40
51	The immune response to lentiviral-delivered transgene is modulated in vivo by transgene-expressing antigen-presenting cells but not by CD4+CD25+ regulatory T cells. Blood, 2007, 110, 1788-1796.	0.6	35
52	Phenotype reversion in fetal human liver epithelial cells identifies the role of an intermediate meso-endodermal stage before hepatic maturation. Journal of Cell Science, 2008, 121, 1002-1013.	1.2	35
53	Dendritic Cell-Mediated In Vivo Bone Resorption. Journal of Immunology, 2010, 185, 1485-1491.	0.4	35
54	RNAi technology and lentiviral delivery as a powerful tool to suppress Tpr-Met-mediated tumorigenesis. Cancer Gene Therapy, 2005, 12, 456-463.	2.2	34

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55	T Cell Receptor (TCR) Gene Transfer with Lentiviral Vectors Allows Efficient Redirection of Tumor Specificity in Naive and Memory T Cells Without Prior Stimulation of Endogenous TCR. Human Gene Therapy, 2009, 20, 1576-1588.	1.4	34
56	Tumor targeting by lentiviral vectors combined with magnetic nanoparticles in mice. Acta Biomaterialia, 2017, 59, 303-316.	4.1	33
57	Deletion of the ectodomain unleashes the transforming, invasive, and tumorigenic potential of the MET oncogene. Cancer Science, 2009, 100, 633-638.	1.7	32
58	Deletion in a (T)8 microsatellite abrogates expression regulation by 3'-UTR. Nucleic Acids Research, 2003, 31, 6561-6569.	6.5	30
59	Mouse hepatocytes and LSEC proteome reveal novel mechanisms of ischemia/reperfusion damage and protection by A2aR stimulation. Journal of Hepatology, 2015, 62, 573-580.	1.8	30
60	Kupffer Cell Transplantation in Mice for Elucidating Monocyte/Macrophage Biology and for Potential in Cell or Gene Therapy. American Journal of Pathology, 2016, 186, 539-551.	1.9	30
61	Bio-Engineering of Pre-Vascularized Islet Organoids for the Treatment of Type 1 Diabetes. Transplant International, 2021, 35, 10214.	0.8	28
62	Tumor Targeting by Monoclonal Antibody Functionalized Magnetic Nanoparticles. Nanomaterials, 2019, 9, 1575.	1.9	26
63	Isolation and Characterization of a Spontaneously Immortalized Multipotent Mesenchymal Cell Line Derived from Mouse Subcutaneous Adipose Tissue. Stem Cells and Development, 2013, 22, 2873-2884.	1.1	25
64	FVIII expression by its native promoter sustains long-term correction avoiding immune response in hemophilic mice. Blood Advances, 2019, 3, 825-838.	2.5	24
65	Human Cardiac Progenitor Spheroids Exhibit Enhanced Engraftment Potential. PLoS ONE, 2015, 10, e0137999.	1.1	22
66	Increased hepcidin in transferrin-treated thalassemic mice correlates with increased liver BMP2 expression and decreased hepatocyte ERK activation. Haematologica, 2016, 101, 297-308.	1.7	22
67	Hepcidin and Hfe in iron overload in Î²â€thalassemia. Annals of the New York Academy of Sciences, 2010, 1202, 221-225.	1.8	21
68	Correction of mucopolysaccharidosis type IIIb fibroblasts by lentiviral vector-mediated gene transfer. Biochemical Journal, 2002, 364, 747-753.	1.7	20
69	Genetic Ablation of Cav1 Differentially Affects Melanoma Tumor Growth and Metastasis in Mice: Role of Cav1 in Shh Heterotypic Signaling and Transendothelial Migration. Cancer Research, 2012, 72, 2262-2274.	0.4	20
70	Nursing studentsâ€™ clinical placement experiences during the Covid-19 pandemic: A phenomenological study. Nurse Education in Practice, 2022, 59, 103297.	1.0	20
71	The promise of lentiviral gene therapy for liver cancer. Journal of Hepatology, 2004, 40, 337-340.	1.8	19
72	Lymphoblastoid cell lines from Diamond Blackfan anaemia patients exhibit a full ribosomal stress phenotype that is rescued by gene therapy. Scientific Reports, 2017, 7, 12010.	1.6	19

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73	Innovative superparamagnetic iron-oxide nanoparticles coated with silica and conjugated with linoleic acid: Effect on tumor cell growth and viability. Materials Science and Engineering C, 2017, 76, 439-447.	3.8	18
74	Endothelial MMP-9 drives the inflammatory response in abdominal aortic aneurysm (AAA). American Journal of Translational Research (discontinued), 2017, 9, 5485-5495.	0.0	16
75	In vitrogene therapy of mucopolysaccharidosis type I by lentiviral vectors. FEBS Journal, 2002, 269, 2764-2771.	0.2	15
76	Transcriptional Targeting and MicroRNA Regulation of Lentiviral Vectors. Molecular Therapy - Methods and Clinical Development, 2019, 12, 223-232.	1.8	15
77	Multiparameter flow cytometric detection and quantification of senescent cells in vitro. Biogerontology, 2020, 21, 773-786.	2.0	15
78	Lentiviral vector interactions with the host cell. Current Opinion in Virology, 2016, 21, 102-108.	2.6	14
79	Emerging Therapeutic Approaches for Diamond Blackfan Anemia. Current Gene Therapy, 2018, 18, 327-335.	0.9	14
80	Control of HBV replication by antiviral microRNAs transferred by lentiviral vectors for potential cell and gene therapy approaches. Antiviral Therapy, 2011, 17, 519-528.	0.6	13
81	A humanized mouse model of liver fibrosis following expansion of transplanted hepatic stellate cells. Laboratory Investigation, 2018, 98, 525-536.	1.7	13
82	PPARs are mediators of anti-cancer properties of superparamagnetic iron oxide nanoparticles (SPIONs) functionalized with conjugated linoleic acid. Chemico-Biological Interactions, 2018, 292, 9-14.	1.7	13
83	Microautophagy of Cytosolic Proteins by Late Endosomes. Developmental Cell, 2011, 20, 405-406.	3.1	11
84	Pharmacological Preconditioning by Adenosine A2a Receptor Stimulation: Features of the Protected Liver Cell Phenotype. BioMed Research International, 2015, 2015, 1-9.	0.9	11
85	Magnetite and silica-coated magnetite nanoparticles are highly biocompatible on endothelial cells in vitro. Biomedical Physics and Engineering Express, 2017, 3, 025015.	0.6	11
86	Efficient and safe correction of hemophilia A by lentiviral vector-transduced BOECs in an implantable device. Molecular Therapy - Methods and Clinical Development, 2021, 23, 551-566.	1.8	11
87	Liver-directed lentiviral gene therapy corrects hemophilia A mice and achieves normal-range factor VIII activity in non-human primates. Nature Communications, 2022, 13, 2454.	5.8	11
88	Lentivirusâ€mediated superoxide dismutase1 gene delivery protects against oxidative stressâ€induced liver injury in mice. Liver International, 2007, 27, 1311-1322.	1.9	9
89	N-glycosylation of the mammalian dipeptidyl aminopeptidase-like protein 10 (DPP10) regulates trafficking and interaction with Kv4 channels. International Journal of Biochemistry and Cell Biology, 2012, 44, 876-885.	1.2	9
90	Genetically modified human <scp>CD</scp>4⁺ T cells can be evaluated inÂvivo without lethal graftâ€versusâ€host disease. Immunology, 2016, 148, 339-351.	2.0	9

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91	A functional assay for the clinical annotation of genetic variants of uncertain significance in Diamond-Blackfan anemia. Human Mutation, 2018, 39, 1102-1111.	1.1	9
92	Therapeutic correction of hemophilia A by transplantation of hPSC-derived liver sinusoidal endothelial cell progenitors. Cell Reports, 2022, 39, 110621.	2.9	9
93	Tailoring the CRISPR system to transactivate coagulation gene promoters in normal and mutated contexts. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 619-624.	0.9	8
94	Escape or Fight: Inhibitors in Hemophilia A. Frontiers in Immunology, 2020, 11, 476.	2.2	8
95	Pleckstrin-2 is essential for erythropoiesis in Î²-thalassemic mice, reducing apoptosis and enhancing enucleation. Communications Biology, 2021, 4, 517.	2.0	8
96	Synthesis and characterization of silicaâ€coated superparamagnetic iron oxide nanoparticles and interaction with pancreatic cancer cells. International Journal of Applied Ceramic Technology, 2018, 15, 947-960.	1.1	7
97	New technologies in gene therapy for inducing immune tolerance in hemophilia A. Expert Review of Clinical Immunology, 2018, 14, 1013-1019.	1.3	7
98	Switching of mesodermal and endodermal properties in hTERT-modified and expanded fetal human pancreatic progenitor cells. Stem Cell Research and Therapy, 2010, 1, 6.	2.4	6
99	Lentiviral Transduction of Primary Myeloma Cells with CD80 and CD154 Generates Antimyeloma Effector T Cells. Human Gene Therapy, 2005, 16, 445-456.	1.4	5
100	Fetuin B links vitamin D deficiency and pediatric obesity: Direct negative regulation by vitamin D. Journal of Steroid Biochemistry and Molecular Biology, 2018, 182, 37-49.	1.2	5
101	A long term, non-tumorigenic rat hepatocyte cell line and its malignant counterpart, as tools to study hepatocarcinogenesis. Oncotarget, 2017, 8, 15716-15731.	0.8	5
102	Liver gene therapy with inteinâ€mediated F8 trans â€splicing corrects mouse haemophilia A. EMBO Molecular Medicine, 2022, 14, e15199.	3.3	5
103	Increased Hepcidin Expression in Mice Affected by Î²-Thalassemia Reduces Iron Overload with No Effect on Anemia. Blood, 2008, 112, 128-128.	0.6	4
104	Factor VIII as a potential player in cancer pathophysiology. Journal of Thrombosis and Haemostasis, 2022, 20, 648-660.	1.9	4
105	Regulatory-Compliant Validation of a Highly Sensitive qPCR for Biodistribution Assessment of Hemophilia A Patient Cells. Molecular Therapy - Methods and Clinical Development, 2020, 18, 176-188.	1.8	3
106	Deciphering the Ets-1/2-mediated transcriptional regulation of F8 gene identifies a minimal F8 promoter for hemophilia A gene therapy. Haematologica, 2021, 106, 1624-1635.	1.7	3
107	Flow-CytometryÂPlatform for Intracellular Detection of FVIII in Blood Cells: A New Tool to Assess Gene Therapy Efficiency for Hemophilia A. Molecular Therapy - Methods and Clinical Development, 2020, 17, 1-12.	1.8	2
108	Identification and functional characterization of a novel splicing variant in the F8 coagulation gene causing severe hemophilia A. Journal of Thrombosis and Haemostasis, 2020, 18, 1050-1064.	1.9	2

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109	In Atp7bâ^'/â^' Mice Modeling Wilsonâ€™s Disease Liver Repopulation With Bone Marrow-Derived Myofibroblasts or Inflammatory Cells and Not Hepatocytes Is Deleterious. Gene Expression, 2019, 19, 15-24.	0.5	1
110	Erratum to â€œLentiviral Vector-Mediated Gene Transfer in T Cells from Wiskottâ€“Aldrich Syndrome Patients Leads to Functional Correctionâ€• Molecular Therapy, 2005, 11, 492.	3.7	0
111	Lentiviral Vectors for Cancer Gene Therapy. , 0, , 83-94.		0
112	P.168: Biofabrication of a Functional Vascularized Endocrine Pancreas (VEP) for Type 1 Diabetes. Transplantation, 2021, 105, S71-S71.	0.5	0