

Lucio Pastore

List of Publications by Year in descending order

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95
papers

4,084
citations

147566

31
h-index

123241

61
g-index

98
all docs

98
docs citations

98
times ranked

5710
citing authors

#	ARTICLE	IF	CITATIONS
1	Missense mutations abolishing DNA binding of the osteoblast-specific transcription factor OSF2/CBFA1 in cleidocranial dysplasia. <i>Nature Genetics</i> , 1997, 16, 307-310.	9.4	548
2	ACE2: The Major Cell Entry Receptor for SARS-CoV-2. <i>Lung</i> , 2020, 198, 867-877.	1.4	304
3	Use of a Liver-Specific Promoter Reduces Immune Response to the Transgene in Adenoviral Vectors. <i>Human Gene Therapy</i> , 1999, 10, 1773-1781.	1.4	174
4	Ischemic Neoangiogenesis Enhanced by β_2 -Adrenergic Receptor Overexpression. <i>Circulation Research</i> , 2005, 97, 1182-1189.	2.0	154
5	miR-19d Overexpression Is Associated With Human Obesity. <i>Obesity</i> , 2010, 18, 2170-2176.	1.5	149
6	Long-Term Stable Correction of Low-Density Lipoprotein Receptor-Deficient Mice With a Helper-Dependent Adenoviral Vector Expressing the Very Low-Density Lipoprotein Receptor. <i>Circulation</i> , 2001, 103, 1274-1281.	1.6	146
7	Klf5 is involved in self-renewal of mouse embryonic stem cells. <i>Journal of Cell Science</i> , 2008, 121, 2629-2634.	1.2	135
8	Long-Term Stable Expression of Human Apolipoprotein A-I Mediated by Helper-Dependent Adenovirus Gene Transfer Inhibits Atherosclerosis Progression and Remodels Atherosclerotic Plaques in a Mouse Model of Familial Hypercholesterolemia. <i>Circulation</i> , 2003, 107, 2726-2732.	1.6	129
9	miRNA 34a, 100, and 137 modulate differentiation of mouse embryonic stem cells. <i>FASEB Journal</i> , 2010, 24, 3255-3263.	0.2	125
10	PEGylated helper-dependent adenoviral vectors: highly efficient vectors with an enhanced safety profile. <i>Gene Therapy</i> , 2005, 12, 579-587.	2.3	115
11	The G-protein-coupled receptor kinase 5 inhibits NF- κ B transcriptional activity by inducing nuclear accumulation of I κ B β . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17818-17823.	3.3	107
12	Age-Related Reference Intervals of the Main Biochemical and Hematological Parameters in C57BL/6J, 129SV/EV and C3H/HeJ Mouse Strains. <i>PLoS ONE</i> , 2008, 3, e3772.	1.1	101
13	AKT Participates in Endothelial Dysfunction in Hypertension. <i>Circulation</i> , 2004, 109, 2587-2593.	1.6	89
14	Prolonged Transgene Expression Mediated by a Helper-Dependent Adenoviral Vector (hdAd) in the Central Nervous System. <i>Molecular Therapy</i> , 2000, 2, 105-113.	3.7	79
15	Selective Rac-1 Inhibition Protects From Diabetes-Induced Vascular Injury. <i>Circulation Research</i> , 2006, 98, 218-225.	2.0	66
16	The performance of poly- ϵ -caprolactone scaffolds in a rabbit femur model with and without autologous stromal cells and BMP4. <i>Biomaterials</i> , 2007, 28, 3101-3109.	5.7	65
17	Calmodulin-dependent kinase IV links Toll-like receptor 4 signaling with survival pathway of activated dendritic cells. <i>Blood</i> , 2008, 111, 723-731.	0.6	65
18	Calmodulin-Dependent Kinase II Mediates Vascular Smooth Muscle Cell Proliferation and Is Potentiated by Extracellular Signal Regulated Kinase. <i>Endocrinology</i> , 2010, 151, 2747-2759.	1.4	64

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19	Endothelial α_1 -adrenoceptors regulate neoangiogenesis. <i>British Journal of Pharmacology</i> , 2008, 153, 936-946.	2.7	62
20	Endothelial β_2 adrenergic signaling to AKT: Role of G_i and SRC. <i>Cellular Signalling</i> , 2007, 19, 1949-1955.	1.7	54
21	A Placental Growth Factor Variant Unable to Recognize Vascular Endothelial Growth Factor (VEGF) Receptor-1 Inhibits VEGF-Dependent Tumor Angiogenesis via Heterodimerization. <i>Cancer Research</i> , 2010, 70, 1804-1813.	0.4	54
22	Helper-dependent adenoviral vector-mediated long-term expression of human apolipoprotein A-I reduces atherosclerosis in apo E-deficient mice. <i>Gene</i> , 2004, 327, 153-160.	1.0	50
23	Generation of Helper-Dependent Adenoviral Vectors by Homologous Recombination. <i>Molecular Therapy</i> , 2002, 5, 204-210.	3.7	49
24	Hepatocyte gene therapy in a large animal: A neonatal bovine model of citrullinemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 3981-3986.	3.3	48
25	Differentiation of Embryonic Stem Cells 1 (Dies1) Is a Component of Bone Morphogenetic Protein 4 (BMP4) Signaling Pathway Required for Proper Differentiation of Mouse Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 7776-7783.	1.6	47
26	Direct targets of Klf5 transcription factor contribute to the maintenance of mouse embryonic stem cell undifferentiated state. <i>BMC Biology</i> , 2010, 8, 128.	1.7	44
27	Protective action of <i>Bacillus clausii</i> probiotic strains in an in vitro model of Rotavirus infection. <i>Scientific Reports</i> , 2020, 10, 12636.	1.6	41
28	Non-Invasive Prenatal Testing: Current Perspectives and Future Challenges. <i>Genes</i> , 2021, 12, 15.	1.0	36
29	Characterization and predicted role of the microRNA expression profile in amnion from obese pregnant women. <i>International Journal of Obesity</i> , 2014, 38, 466-469.	1.6	35
30	Mutant p53 gain of function can be at the root of dedifferentiation of human osteosarcoma MG63 cells into 3AB-OS cancer stem cells. <i>Bone</i> , 2014, 60, 198-212.	1.4	35
31	A new synthetic protein, TAT-RH, inhibits tumor growth through the regulation of NF κ B activity. <i>Molecular Cancer</i> , 2009, 8, 97.	7.9	33
32	Insulin stimulates fibroblast proliferation through calcium-calmodulin-dependent kinase II. <i>Cell Cycle</i> , 2009, 8, 2024-2030.	1.3	32
33	Species Differences in the Pharmacology and Toxicology of PEGylated Helper-Dependent Adenovirus. <i>Molecular Pharmaceutics</i> , 2011, 8, 78-92.	2.3	31
34	Oncolytic vaccines increase the response to PD-L1 blockade in immunogenic and poorly immunogenic tumors. <i>Oncolmmunology</i> , 2018, 7, e1457596.	2.1	31
35	A novel crosstalk between calcium/calmodulin kinases II and IV regulates cell proliferation in myeloid leukemia cells. <i>Cellular Signalling</i> , 2015, 27, 204-214.	1.7	29
36	A Cre-Expressing Cell Line and an E1/E2a Double-Deleted Virus for Preparation of Helper-Dependent Adenovirus Vector. <i>Molecular Therapy</i> , 2001, 3, 613-622.	3.7	28

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37	Molecular Analysis of Cluster Headache. <i>Clinical Journal of Pain</i> , 2015, 31, 52-57.	0.8	28
38	Modulation of TNF \pm , a determinant of acute toxicity associated with systemic delivery of first-generation and helper-dependent adenoviral vectors. <i>Gene Therapy</i> , 2006, 13, 1272-1280.	2.3	27
39	Proteome analysis of human amniotic mesenchymal stem cells (hA-MSCs) reveals impaired antioxidant ability, cytoskeleton and metabolic functionality in maternal obesity. <i>Scientific Reports</i> , 2016, 6, 25270.	1.6	27
40	A novel <i>in silico</i> framework to improve MHC-I epitopes and break the tolerance to melanoma. <i>Oncolmmunology</i> , 2017, 6, e1319028.	2.1	25
41	Laboratory medicine: health evaluation in elite athletes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, 1450-1473.	1.4	25
42	KrÄppel-like factor 7 is required for olfactory bulb dopaminergic neuron development. <i>Experimental Cell Research</i> , 2011, 317, 464-473.	1.2	24
43	S100B Induces the Release of Pro-Inflammatory Cytokines in Alveolar Type I-like Cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 383-391.	1.0	24
44	Microduplications in 22q11.2 and 8q22.1 associated with mild mental retardation and generalized overgrowth. <i>Gene</i> , 2014, 536, 213-216.	1.0	24
45	PEGylated helper-dependent adenoviral vector expressing human Apo A-I for gene therapy in LDLR-deficient mice. <i>Gene Therapy</i> , 2013, 20, 1124-1130.	2.3	22
46	Identification of a deletion in the NDUFS4 gene using array-comparative genomic hybridization in a patient with suspected mitochondrial respiratory disease. <i>Gene</i> , 2014, 535, 376-379.	1.0	22
47	Angiotensin receptor I stimulates osteoprogenitor proliferation through TGF β ² -mediated signaling. <i>Journal of Cellular Physiology</i> , 2015, 230, 1466-1474.	2.0	22
48	Genetic analysis resolves differential diagnosis of a familial syndromic dilated cardiomyopathy: A new case of AlstrÄm syndrome. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1260.	0.6	22
49	The Ca ²⁺ -calmodulin-dependent kinase II is activated in papillary thyroid carcinoma (PTC) and mediates cell proliferation stimulated by RET/PTC. <i>Endocrine-Related Cancer</i> , 2010, 17, 113-123.	1.6	21
50	Oculo-facio-cardio-dental (OFCD) syndrome: The first Italian case of BCOR and co-occurring OTC gene deletion. <i>Gene</i> , 2015, 559, 203-206.	1.0	21
51	[11] Helper-dependent adenoviral vectors. <i>Methods in Enzymology</i> , 2002, 346, 177-198.	0.4	20
52	Fast Detection of a BRCA2 Large Genomic Duplication by Next Generation Sequencing as a Single Procedure: A Case Report. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2487.	1.8	20
53	Novel mutations and structural implications in R-type pyruvate kinase-deficient patients from southern Italy. , 1998, 11, 127-134.		19
54	Culture Conditions Allow Selection of Different Mesenchymal Progenitors from Adult Mouse Bone Marrow. <i>Tissue Engineering - Part A</i> , 2009, 15, 2525-2536.	1.6	19

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55	High Aminopeptidase N/CD13 Levels Characterize Human Amniotic Mesenchymal Stem Cells and Drive Their Increased Adipogenic Potential in Obese Women. <i>Stem Cells and Development</i> , 2013, 22, 2287-2297.	1.1	19
56	Therapeutic angiogenesis in diabetic apolipoprotein E-deficient mice using bone marrow cells, functional hemangioblasts and metabolic intervention. <i>Atherosclerosis</i> , 2010, 209, 403-414.	0.4	18
57	Oncolytic Adenoviruses for Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2517.	1.8	18
58	Comparative Analysis of Gene Expression Data Reveals Novel Targets of Senescence-Associated microRNAs. <i>PLoS ONE</i> , 2014, 9, e98669.	1.1	17
59	miR-138/miR-222 Overexpression Characterizes the miRNome of Amniotic Mesenchymal Stem Cells in Obesity. <i>Stem Cells and Development</i> , 2017, 26, 4-14.	1.1	17
60	Altered Bioenergetic Profile in Umbilical Cord and Amniotic Mesenchymal Stem Cells from Newborns of Obese Women. <i>Stem Cells and Development</i> , 2018, 27, 199-206.	1.1	17
61	A quantitative polymerase chain reaction (PCR) assay completely discriminates between Duchenne and Becker muscular dystrophy deletion carriers and normal females. <i>Molecular and Cellular Probes</i> , 1996, 10, 129-137.	0.9	16
62	Rapid Identification of HLA DQA1*0501, DQB1*0201, and DRB1*04 Alleles in Celiac Disease by a PCR-Based Methodology. <i>Clinical Chemistry</i> , 1997, 43, 2204-2206.	1.5	13
63	Reversal of Metabolic and Neurological Symptoms of Phenylketonuric Mice Treated with a PAH Containing Helper-Dependent Adenoviral Vector. <i>Current Gene Therapy</i> , 2012, 12, 48-56.	0.9	13
64	Allele frequency distributions at several variable number of tandem repeat (VNTR) and short tandem repeat (STR) loci in a restricted Caucasian population from South Italy and their evaluation for paternity and forensic use. <i>Molecular and Cellular Probes</i> , 1996, 10, 299-308.	0.9	12
65	Adenoviral Gene Transfer of PLD1-D4 Enhances Insulin Sensitivity in Mice by Disrupting Phospholipase D1 Interaction with PED/PEA-15. <i>PLoS ONE</i> , 2013, 8, e60555.	1.1	12
66	Intragenic Deletion in MACROD2: A Family with Complex Phenotypes Including Microcephaly, Intellectual Disability, Polydactyly, Renal and Pancreatic Malformations. <i>Cytogenetic and Genome Research</i> , 2019, 158, 25-31.	0.6	11
67	Childhood obesity: an overview of laboratory medicine, exercise and microbiome. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 1385-1406.	1.4	11
68	Identification of a Novel Transcription Factor Required for Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2019, 28, 370-383.	1.1	10
69	SARS-CoV-2: One Year in the Pandemic. What Have We Learned, the New Vaccine Era and the Threat of SARS-CoV-2 Variants. <i>Biomedicines</i> , 2021, 9, 611.	1.4	10
70	Sex-Comparative Analysis of the miRNome of Human Amniotic Mesenchymal Stem Cells During Obesity. <i>Stem Cells and Development</i> , 2017, 26, 1-3.	1.1	9
71	Helper-dependent adenovirus-mediated gene transfer of a secreted LDL receptor/transferrin chimeric protein reduces aortic atherosclerosis in LDL receptor-deficient mice. <i>Gene Therapy</i> , 2019, 26, 121-130.	2.3	9
72	Oncolytic Adenoviral Vector-Mediated Expression of an Anti-PD-L1-scFv Improves Anti-Tumoral Efficacy in a Melanoma Mouse Model. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	9

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73	3q29 microduplication in a small family with complex metabolic phenotype from Southern Italy. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e167-e170.	1.4	8
74	Lung Microbiome in Cystic Fibrosis. <i>Life</i> , 2021, 11, 94.	1.1	8
75	Direct detection of proviral gag segment of human immunodeficiency virus in peripheral blood lymphocytes by colorimetric PCR assay as a clinical laboratory tool applied to different at-risk populations. <i>Journal of Clinical Microbiology</i> , 1995, 33, 641-647.	1.8	8
76	Novel deletion at the M and P promoters of the human dystrophin gene associated with a Duchenne muscular dystrophy. <i>Neuromuscular Disorders</i> , 2002, 12, 494-497.	0.3	6
77	Unraveling unusual X-chromosome patterns during fragile-X syndrome genetic testing. <i>Clinica Chimica Acta</i> , 2018, 476, 167-172.	0.5	6
78	Non-Canonical Role of PDK1 as a Negative Regulator of Apoptosis through Macromolecular Complexes Assembly at the ER-Mitochondria Interface in Oncogene-Driven NSCLC. <i>Cancers</i> , 2021, 13, 4133.	1.7	5
79	Molecular diagnosis of MODY3 permitted to reveal a de novo 12q24.31 deletion and to explain a complex phenotype in a young diabetic patient. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, e306-e310.	1.4	4
80	Case Report: Detection of a Novel Germline PALB2 Deletion in a Young Woman With Hereditary Breast Cancer: When the Patient's Phenotype History Doesn't Lie. <i>Frontiers in Oncology</i> , 2021, 11, 602523.	1.3	4
81	Novel mutations and structural implications in pyruvate kinase-deficient patients from southern Italy. <i>Human Mutation</i> , 1998, 11, 127-134.	1.1	4
82	Dystrophinopathy in a young boy with Klinefelter's syndrome. , 1998, 21, 792-795.		3
83	<p>Physical Activity and Thrombophilic Risk in a Short Series</p>. <i>Journal of Blood Medicine</i> , 2020, Volume 11, 39-42.	0.7	3
84	Thymidine Kinase-Mediated Shut Down of Bone Morphogenetic Protein-4 Expression Allows Regulated Bone Production. <i>Current Gene Therapy</i> , 2013, 13, 202-210.	0.9	3
85	Serum withdrawal after embryoid body formation does not impair cardiomyocyte development from mouse embryonic stem cells. <i>Cytotherapy</i> , 2011, 13, 350-356.	0.3	2
86	Two novel genomic rearrangements identified in suicide subjects using a-CGH array. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, e245-8.	1.4	2
87	CGH array for the identification of a compound heterozygous mutation in the CYP1B1 gene in a patient with bilateral anterior segment dysgenesis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, e63-e66.	1.4	2
88	Molecular Characterization of Choroideremia-Associated Deletions Reveals an Unexpected Regulation of CHM Gene Transcription. <i>Genes</i> , 2021, 12, 1111.	1.0	2
89	Identification of a De Novo Deletion by Using A-CGH Involving PLNAX2: An Interesting Candidate Gene in Psychomotor Developmental Delay. <i>Medicina (Lithuania)</i> , 2022, 58, 524.	0.8	2
90	Combined aCGH and Exome Sequencing Analysis Improves Autism Spectrum Disorders Diagnosis: A Case Report. <i>Medicina (Lithuania)</i> , 2022, 58, 522.	0.8	2

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91	A First Look at an Automated Pipeline for NGS-Based Breast-Cancer Diagnosis: The CARDIGAN Approach. , 2016, , .		1
92	Protein C System Activity after Physical Exercise: Possible Thrombophilic Implications. Health Science Journal, 2018, 12, .	0.8	1
93	Kinase independent inhibition of NF κ B transcriptional activity by GRK5 through I κ B α stabilization.. Nature Precedings, 2007, , .	0.1	0
94	179. Helper-Dependent Adenovirus-Mediated Gene Transfer of an LDL Receptor/Transferrin Chimeric Protein Reduces Aortic Atherosclerosis in LDL Receptor-Deficient Mice. Molecular Therapy, 2016, 24, S70.	3.7	0
95	Abstract LB-370: A placental growth factor variant unable to recognize VEGFR-1 inhibits VEGF-dependent tumor angiogenesis via heterodimerization. , 2010, , .		0