

Mauro Giacca

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408
papers

20,900
citations

78
h-index

125
g-index

430
ext. papers

23,939
ext. citations

8.5
avg, IF

6.64
L-index

#	Paper	IF	Citations
408	Functional screening identifies miRNAs inducing cardiac regeneration. <i>Nature</i> , 2012 , 492, 376-81	50.4	724
407	Anti-PLGF inhibits growth of VEGF(R)-inhibitor-resistant tumors without affecting healthy vessels. <i>Cell</i> , 2007 , 131, 463-75	56.2	666
406	Internalization of HIV-1 tat requires cell surface heparan sulfate proteoglycans. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3254-61	5.4	551
405	The oxygen-rich postnatal environment induces cardiomyocyte cell-cycle arrest through DNA damage response. <i>Cell</i> , 2014 , 157, 565-79	56.2	461
404	Cell membrane lipid rafts mediate caveolar endocytosis of HIV-1 Tat fusion proteins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34141-9	5.4	356
403	Identification of HSP90 inhibitors as a novel class of senolytics. <i>Nature Communications</i> , 2017 , 8, 422	17.4	312
402	Cardiomyocyte Regeneration: A Consensus Statement. <i>Circulation</i> , 2017 , 136, 680-686	16.7	287
401	Caveolae-mediated internalization of extracellular HIV-1 tat fusion proteins visualized in real time. <i>Molecular Therapy</i> , 2003 , 8, 284-94	11.7	279
400	Familial dilated cardiomyopathy: evidence for genetic and phenotypic heterogeneity. Heart Muscle Disease Study Group. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 181-90	15.1	259
399	HIV-1 tat transactivator recruits p300 and CREB-binding protein histone acetyltransferases to the viral promoter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 13519-24	11.5	249
398	A novel procedure for quantitative polymerase chain reaction by coamplification of competitive templates. <i>Gene</i> , 1992 , 122, 313-20	3.8	234
397	Vascular endothelial growth factor stimulates skeletal muscle regeneration in vivo. <i>Molecular Therapy</i> , 2004 , 10, 844-54	11.7	231
396	Virus-mediated gene delivery for human gene therapy. <i>Journal of Controlled Release</i> , 2012 , 161, 377-88	11.7	218
395	Further pharmacological and genetic evidence for the efficacy of PLGF inhibition in cancer and eye disease. <i>Cell</i> , 2010 , 141, 178-90	56.2	218
394	Nuclear architecture dictates HIV-1 integration site selection. <i>Nature</i> , 2015 , 521, 227-31	50.4	215
393	The furin cleavage site in the SARS-CoV-2 spike protein is required for transmission in ferrets. <i>Nature Microbiology</i> , 2021 , 6, 899-909	26.6	206
392	Different mechanisms for cellular internalization of the HIV-1 Tat-derived cell penetrating peptide and recombinant proteins fused to Tat. <i>FEBS Journal</i> , 2002 , 269, 494-501		199

391	MicroRNA therapy stimulates uncontrolled cardiac repair after myocardial infarction in pigs. <i>Nature</i> , 2019 , 569, 418-422	50.4	194
390	Macrophage microRNA-155 promotes cardiac hypertrophy and failure. <i>Circulation</i> , 2013 , 128, 1420-32	16.7	190
389	Regulation of HIV-1 gene expression by histone acetylation and factor recruitment at the LTR promoter. <i>EMBO Journal</i> , 2003 , 22, 6550-61	13	186
388	E2F family members are differentially regulated by reversible acetylation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10887-92	5.4	179
387	Carbon nanotubes promote growth and spontaneous electrical activity in cultured cardiac myocytes. <i>Nano Letters</i> , 2012 , 12, 1831-8	11.5	175
386	MiR-378 controls cardiac hypertrophy by combined repression of mitogen-activated protein kinase pathway factors. <i>Circulation</i> , 2013 , 127, 2097-106	16.7	174
385	Fine mapping of a replication origin of human DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 7119-23	11.5	171
384	VEGF gene therapy: therapeutic angiogenesis in the clinic and beyond. <i>Gene Therapy</i> , 2012 , 19, 622-9	4	165
383	Start sites of bidirectional DNA synthesis at the human lamin B2 origin. <i>Science</i> , 2000 , 287, 2023-6	33.3	160
382	A new locus for arrhythmogenic right ventricular dysplasia on the long arm of chromosome 14. <i>Genomics</i> , 1996 , 31, 193-200	4.3	160
381	Interaction of HIV-1 Tat protein with heparin. Role of the backbone structure, sulfation, and size. <i>Journal of Biological Chemistry</i> , 1997 , 272, 11313-20	5.4	157
380	Persistence of viral RNA, pneumocyte syncytia and thrombosis are hallmarks of advanced COVID-19 pathology. <i>EBioMedicine</i> , 2020 , 61, 103104	8.8	155
379	C-C chemokines released by lipopolysaccharide (LPS)-stimulated human macrophages suppress HIV-1 infection in both macrophages and T cells. <i>Journal of Experimental Medicine</i> , 1997 , 185, 805-16	16.6	147
378	A point mutation in the 5Psplice site of the dystrophin gene first intron responsible for X-linked dilated cardiomyopathy. <i>Human Molecular Genetics</i> , 1996 , 5, 73-9	5.6	147
377	Semaphorin 3A is an endogenous angiogenesis inhibitor that blocks tumor growth and normalizes tumor vasculature in transgenic mouse models. <i>Journal of Clinical Investigation</i> , 2009 , 119, 3356-72	15.9	145
376	Absolute quantitation of viremia in human immunodeficiency virus infection by competitive reverse transcription and polymerase chain reaction. <i>Journal of Clinical Microbiology</i> , 1992 , 30, 1752-7	9.7	142
375	In vivo activation of a conserved microRNA program induces mammalian heart regeneration. <i>Cell Stem Cell</i> , 2014 , 15, 589-604	18	141
374	Cardiomyocyte VEGFR-1 activation by VEGF-B induces compensatory hypertrophy and preserves cardiac function after myocardial infarction. <i>FASEB Journal</i> , 2010 , 24, 1467-78	0.9	134

373	Systemic tumor necrosis factor-related apoptosis-inducing ligand delivery shows antiatherosclerotic activity in apolipoprotein E-null diabetic mice. <i>Circulation</i> , 2006 , 114, 1522-30	16.7	134
372	Notch1 signaling stimulates proliferation of immature cardiomyocytes. <i>Journal of Cell Biology</i> , 2008 , 183, 117-28	7.3	132
371	Semaphorin 3A overcomes cancer hypoxia and metastatic dissemination induced by antiangiogenic treatment in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1832-48	15.9	132
370	Bone marrow mononuclear cells are recruited to the sites of VEGF-induced neovascularization but are not incorporated into the newly formed vessels. <i>Blood</i> , 2006 , 107, 3546-54	2.2	130
369	Acetylation of HIV-1 integrase by p300 regulates viral integration. <i>EMBO Journal</i> , 2005 , 24, 3070-81	13	130
368	Activation of transcription factor NF-kappaB by the Tat protein of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1996 , 70, 4427-37	6.6	124
367	Adeno-associated viral vector-mediated human vascular endothelial growth factor gene transfer stimulates angiogenesis and wound healing in the genetically diabetic mouse. <i>Diabetologia</i> , 2003 , 46, 546-55	10.3	118
366	The gene for a novel human lamin maps at a highly transcribed locus of chromosome 19 which replicates at the onset of S-phase. <i>Molecular and Cellular Biology</i> , 1992 , 12, 3499-506	4.8	117
365	A mouse model for adult cardiac-specific gene deletion with CRISPR/Cas9. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 338-43	11.5	115
364	Induction of functional neovascularization by combined VEGF and angiopoietin-1 gene transfer using AAV vectors. <i>Molecular Therapy</i> , 2003 , 7, 450-9	11.7	112
363	Single-Dose Intracardiac Injection of Pro-Regenerative MicroRNAs Improves Cardiac Function After Myocardial Infarction. <i>Circulation Research</i> , 2017 , 120, 1298-1304	15.7	111
362	Genome-wide mapping of human DNA-replication origins: levels of transcription at ORC1 sites regulate origin selection and replication timing. <i>Genome Research</i> , 2013 , 23, 1-11	9.7	106
361	Novel human-derived cell-penetrating peptides for specific subcellular delivery of therapeutic biomolecules. <i>Biochemical Journal</i> , 2005 , 390, 407-18	3.8	105
360	Recombinant AAV vector encoding human VEGF165 enhances wound healing. <i>Gene Therapy</i> , 2002 , 9, 777-85	4	105
359	Adeno-associated virus-mediated transduction of VEGF165 improves cardiac tissue viability and functional recovery after permanent coronary occlusion in conscious dogs. <i>Circulation Research</i> , 2006 , 98, 954-61	15.7	104
358	Drugs that inhibit TMEM16 proteins block SARS-CoV-2 spike-induced syncytia. <i>Nature</i> , 2021 , 594, 88-93	50.4	103
357	Multiple interactions of HIV-I Tat protein with size-defined heparin oligosaccharides. <i>Journal of Biological Chemistry</i> , 1999 , 274, 28198-205	5.4	98
356	Intravenous gene therapy with PIM-1 via a cardiotropic viral vector halts the progression of diabetic cardiomyopathy through promotion of prosurvival signaling. <i>Circulation Research</i> , 2011 , 108, 1238-51	15.7	96

355	Transcriptional interference perturbs the binding of Sp1 to the HIV-1 promoter. <i>Nucleic Acids Research</i> , 1998 , 26, 1294-301	20.1	95
354	Molecular profile of human immunodeficiency virus type 1 infection in symptomless patients and in patients with AIDS. <i>Journal of Virology</i> , 1992 , 66, 7328-35	6.6	95
353	Characterization of a recombinant adeno-associated virus type 2 Reference Standard Material. <i>Human Gene Therapy</i> , 2010 , 21, 1273-85	4.8	93
352	Transcellular protein transduction using the Tat protein of HIV-1. <i>Advanced Drug Delivery Reviews</i> , 2005 , 57, 597-608	18.5	93
351	Carbon nanotubes instruct physiological growth and functionally mature syncytia: nongenetic engineering of cardiac myocytes. <i>ACS Nano</i> , 2013 , 7, 5746-56	16.7	92
350	Nanoparticles from lipid-based liquid crystals: emulsifier influence on morphology and cytotoxicity. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 3518-25	3.4	92
349	The basic domain in HIV-1 Tat protein as a target for polysulfonated heparin-mimicking extracellular Tat antagonists. <i>Journal of Biological Chemistry</i> , 1998 , 273, 16027-37	5.4	92
348	HIV Tat, its TARgets and the control of viral gene expression. <i>FEMS Microbiology Letters</i> , 2003 , 220, 57-65.9		89
347	Involvement of cellular double-stranded DNA break binding proteins in processing of the recombinant adeno-associated virus genome. <i>Journal of Virology</i> , 2001 , 75, 12279-87	6.6	89
346	Human immunodeficiency virus type 1 tat protein activates transcription factor NF-kappaB through the cellular interferon-inducible, double-stranded RNA-dependent protein kinase, PKR. <i>Journal of Virology</i> , 1999 , 73, 7080-6	6.6	89
345	Transcription-dependent gene looping of the HIV-1 provirus is dictated by recognition of pre-mRNA processing signals. <i>Molecular Cell</i> , 2008 , 29, 56-68	17.6	86
344	The Mre11/Rad50/Nbs1 complex limits adeno-associated virus transduction and replication. <i>Journal of Virology</i> , 2007 , 81, 12936-45	6.6	85
343	Adeno-associated virus vectors as therapeutic and investigational tools in the cardiovascular system. <i>Circulation Research</i> , 2014 , 114, 1827-46	15.7	84
342	In vivo therapeutic potential of mesenchymal stromal cells depends on the source and the isolation procedure. <i>Stem Cell Reports</i> , 2015 , 4, 332-9	8	83
341	Biotechnology and the bioeconomy-Towards inclusive and sustainable industrial development. <i>New Biotechnology</i> , 2018 , 40, 5-10	6.4	83
340	Ribozyme-mediated inhibition of survivin expression increases spontaneous and drug-induced apoptosis and decreases the tumorigenic potential of human prostate cancer cells. <i>Oncogene</i> , 2004 , 23, 386-94	9.2	83
339	Functional high-throughput screening identifies the miR-15 microRNA family as cellular restriction factors for Salmonella infection. <i>Nature Communications</i> , 2014 , 5, 4718	17.4	82
338	Linkage of familial dilated cardiomyopathy to chromosome 9. Heart Muscle Disease Study Group. <i>American Journal of Human Genetics</i> , 1995 , 57, 846-52	11	82

337	Dynamics of viral replication in infants with vertically acquired human immunodeficiency virus type 1 infection. <i>Journal of Clinical Investigation</i> , 1996 , 97, 323-30	15.9	80
336	The TRIM family protein KAP1 inhibits HIV-1 integration. <i>Cell Host and Microbe</i> , 2011 , 9, 484-95	23.4	79
335	Pentraxin 3 inhibits fibroblast growth factor 2-dependent activation of smooth muscle cells in vitro and neointima formation in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1837-42	9.4	79
334	Concerted action of cellular JNK and Pin1 restricts HIV-1 genome integration to activated CD4+ T lymphocytes. <i>Nature Medicine</i> , 2010 , 16, 329-33	50.5	78
333	Gene looping between the viral LTRs is a hallmark of transcriptionally active HIV-1 and Mo-MLV proviral DNA. <i>Retrovirology</i> , 2009 , 6,	3.6	78
332	Spatial juxtaposition of HIV-1 provirus with PML and KAKA bodies as revealed by 3D Immuno DNA FISH. <i>Retrovirology</i> , 2009 , 6,	3.6	78
331	Naturally C-Terminally truncated STAT5 (STAT5 Δ) a novel negative controller of HIV-1 transcription and expression. <i>Retrovirology</i> , 2009 , 6, P27	3.6	78
330	VEGF overexpression via adeno-associated virus gene transfer promotes skeletal muscle regeneration and enhances muscle function in mdx mice. <i>FASEB Journal</i> , 2007 , 21, 3737-46	0.9	78
329	Proximity to PML nuclear bodies regulates HIV-1 latency in CD4+ T cells. <i>Cell Host and Microbe</i> , 2013 , 13, 665-77	23.4	77
328	Early mitotic degradation of the homeoprotein HOXC10 is potentially linked to cell cycle progression. <i>EMBO Journal</i> , 2003 , 22, 3715-24	13	77
327	Intramyocardial VEGF-B167 gene delivery delays the progression towards congestive failure in dogs with pacing-induced dilated cardiomyopathy. <i>Circulation Research</i> , 2010 , 106, 1893-903	15.7	76
326	High-resolution mapping of the origin of DNA replication in the hamster dihydrofolate reductase gene domain by competitive PCR. <i>Molecular and Cellular Biology</i> , 1996 , 16, 5358-64	4.8	76
325	Paracrine effect of regulatory T cells promotes cardiomyocyte proliferation during pregnancy and after myocardial infarction. <i>Nature Communications</i> , 2018 , 9, 2432	17.4	76
324	Acetylation of conserved lysines in the catalytic core of cyclin-dependent kinase 9 inhibits kinase activity and regulates transcription. <i>Molecular and Cellular Biology</i> , 2008 , 28, 2201-12	4.8	74
323	Modular structure of the human lamin B2 replicator. <i>Molecular and Cellular Biology</i> , 2004 , 24, 2958-67	4.8	74
322	Multiple modes of transcriptional regulation by the HIV-1 Tat transactivator. <i>IUBMB Life</i> , 2001 , 51, 175-81	4.7	73
321	In vivo study of HIV-1 Tat arginine-rich motif unveils its transport properties. <i>Molecular Therapy</i> , 2007 , 15, 1313-22	11.7	72
320	A human binding site for transcription factor USF/MLTF mimics the negative regulatory element of human immunodeficiency virus type 1. <i>Virology</i> , 1992 , 186, 133-47	3.6	72

319	Acetylation by GCN5 regulates CDC6 phosphorylation in the S phase of the cell cycle. <i>Nature Structural and Molecular Biology</i> , 2009 , 16, 412-20	17.6	71
318	Genetic Determinants of Ethanol-Induced Liver Damage. <i>Molecular Medicine</i> , 2001 , 7, 255-262	6.2	68
317	The innate immune system in chronic cardiomyopathy: a European Society of Cardiology (ESC) scientific statement from the Working Group on Myocardial Function of the ESC. <i>European Journal of Heart Failure</i> , 2018 , 20, 445-459	12.3	67
316	Effects of subcutaneous interleukin-2 therapy on CD4 subsets and in vitro cytokine production in HIV+ subjects. <i>Journal of Clinical Investigation</i> , 1997 , 100, 2737-43	15.9	65
315	Bone marrow cells recruited through the neuropilin-1 receptor promote arterial formation at the sites of adult neovascularization in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2062-75	15.9	65
314	Green fluorescent proteins as optically controllable elements in bioelectronics. <i>Applied Physics Letters</i> , 2001 , 79, 3353-3355	3.4	64
313	Nested polymerase chain reaction for high-sensitivity detection of enteroviral RNA in biological samples. <i>Journal of Clinical Microbiology</i> , 1993 , 31, 1345-9	9.7	64
312	Low frequency of detection by nested polymerase chain reaction of enterovirus ribonucleic acid in endomyocardial tissue of patients with idiopathic dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 1994 , 24, 1033-40	15.1	63
311	The gene for a novel human lamin maps at a highly transcribed locus of chromosome 19 which replicates at the onset of S-phase. <i>Molecular and Cellular Biology</i> , 1992 , 12, 3499-3506	4.8	63
310	Inducible adeno-associated virus vectors promote functional angiogenesis in adult organisms via regulated vascular endothelial growth factor expression. <i>Cardiovascular Research</i> , 2009 , 83, 663-71	9.9	62
309	Dystrophin gene abnormalities in two patients with idiopathic dilated cardiomyopathy. <i>Heart</i> , 1997 , 78, 608-12	5.1	62
308	Enhanced caveolae-mediated endocytosis by diagnostic ultrasound in vitro. <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 136-43	3.5	61
307	Knockdown of cyclin-dependent kinase inhibitors induces cardiomyocyte re-entry in the cell cycle. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8644-8654	5.4	60
306	NEUROD1 Instructs Neuronal Conversion in Non-Reactive Astrocytes. <i>Stem Cell Reports</i> , 2017 , 8, 1506-1515	15.1	59
305	In vivo imaging shows abnormal function of vascular endothelial growth factor-induced vasculature. <i>Human Gene Therapy</i> , 2007 , 18, 515-24	4.8	59
304	In vivo footprinting analysis of constitutive and inducible protein-DNA interactions at the long terminal repeat of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1993 , 67, 7450-60	6.6	59
303	An integrative translational approach to study heart failure with preserved ejection fraction: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2018 , 20, 216-227	12.3	59
302	Manufacturing and characterization of a recombinant adeno-associated virus type 8 reference standard material. <i>Human Gene Therapy</i> , 2014 , 25, 977-87	4.8	58

301	Multi-investigator letter on reproducibility of neonatal heart regeneration following apical resection. <i>Stem Cell Reports</i> , 2014 , 3, 1	8	58
300	Mapping replication origins by quantifying relative abundance of nascent DNA strands using competitive polymerase chain reaction. <i>Methods</i> , 1997 , 13, 301-12	4.6	58
299	Processing of recombinant AAV genomes occurs in specific nuclear structures that overlap with foci of DNA-damage-response proteins. <i>Journal of Cell Science</i> , 2008 , 121, 349-57	5.3	58
298	Identification of specific molecular structures of human immunodeficiency virus type 1 Tat relevant for its biological effects on vascular endothelial cells. <i>Journal of Virology</i> , 2000 , 74, 344-53	6.6	58
297	GCN5-dependent acetylation of HIV-1 integrase enhances viral integration. <i>Retrovirology</i> , 2010 , 7, 18	3.6	57
296	Pentosan polysulfate as an inhibitor of extracellular HIV-1 Tat. <i>Journal of Biological Chemistry</i> , 2001 , 276, 22420-5	5.4	57
295	Rescue of bilirubin-induced neonatal lethality in a mouse model of Crigler-Najjar syndrome type I by AAV9-mediated gene transfer. <i>FASEB Journal</i> , 2012 , 26, 1052-63	0.9	56
294	VSV-G-Enveloped Vesicles for Traceless Delivery of CRISPR-Cas9. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 453-462	10.7	55
293	Life-long correction of hyperbilirubinemia with a neonatal liver-specific AAV-mediated gene transfer in a lethal mouse model of Crigler-Najjar Syndrome. <i>Human Gene Therapy</i> , 2014 , 25, 844-55	4.8	55
292	Long-term VEGF-A expression promotes aberrant angiogenesis and fibrosis in skeletal muscle. <i>Gene Therapy</i> , 2011 , 18, 1166-72	4	55
291	AAV-mediated gene transfer of tissue inhibitor of metalloproteinases-1 inhibits vascular tumor growth and angiogenesis in vivo. <i>Cancer Gene Therapy</i> , 2004 , 11, 73-80	5.4	55
290	Recruitment of human cyclin T1 to nuclear bodies through direct interaction with the PML protein. <i>EMBO Journal</i> , 2003 , 22, 2156-66	13	55
289	Effect of recombinant adeno-associated virus vector-mediated vascular endothelial growth factor gene transfer on wound healing after burn injury. <i>Critical Care Medicine</i> , 2003 , 31, 1017-25	1.4	54
288	Common Regulatory Pathways Mediate Activity of MicroRNAs Inducing Cardiomyocyte Proliferation. <i>Cell Reports</i> , 2019 , 27, 2759-2771.e5	10.6	52
287	Regulation of E2F-1 after DNA damage by p300-mediated acetylation and ubiquitination. <i>Cell Cycle</i> , 2005 , 4, 930-9	4.7	52
286	Exercise-induced increases in cell free DNA in human plasma originate predominantly from cells of the haematopoietic lineage. <i>Exercise Immunology Review</i> , 2015 , 21, 164-73	8.6	52
285	Terminal differentiation of cardiac and skeletal myocytes induces permissivity to AAV transduction by relieving inhibition imposed by DNA damage response proteins. <i>Molecular Therapy</i> , 2012 , 20, 2087-97	11.7	51
284	Intracoronary Cytoprotective Gene Therapy: A Study of VEGF-B167 in a Pre-Clinical Animal Model of Dilated Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 139-53	15.1	50

283	Competitive PCR for precise nucleic acid quantification. <i>Nature Protocols</i> , 2007 , 2, 2092-104	18.8	50
282	Visualization of in vivo direct interaction between HIV-1 TAT and human cyclin T1 in specific subcellular compartments by fluorescence resonance energy transfer. <i>Journal of Biological Chemistry</i> , 2001 , 276, 39220-5	5.4	50
281	AAV-mediated in vivo functional selection of tissue-protective factors against ischaemia. <i>Nature Communications</i> , 2015 , 6, 7388	17.4	49
280	Cell cycle modulation of protein-DNA interactions at a human replication origin. <i>EMBO Journal</i> , 1998 , 17, 2961-9	13	49
279	A novel animal model to study non-spontaneous bisphosphonates osteonecrosis of jaw. <i>Journal of Oral Pathology and Medicine</i> , 2010 , 39, 390-6	3.3	48
278	Sustained expression of vascular endothelial growth factor and angiopoietin-1 improves blood-spinal cord barrier integrity and functional recovery after spinal cord injury. <i>Journal of Neurotrauma</i> , 2010 , 27, 2067-76	5.4	48
277	Dynamics of hypervariable region 1 variation in hepatitis C virus infection and correlation with clinical and virological features of liver disease. <i>Hepatology</i> , 1998 , 27, 1678-86	11.2	48
276	In vivo protein-DNA interactions at human DNA replication origin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 1498-503	11.5	48
275	Unacylated Ghrelin Reduces Skeletal Muscle Reactive Oxygen Species Generation and Inflammation and Prevents High-Fat Diet-Induced Hyperglycemia and Whole-Body Insulin Resistance in Rodents. <i>Diabetes</i> , 2016 , 65, 874-86	0.9	47
274	Coherent dynamics of photoexcited green fluorescent proteins. <i>Physical Review Letters</i> , 2001 , 86, 3439-44	4.4	47
273	The Enhanced Green Fluorescent Protein as a Tool for the Analysis of Protein Dynamics and Localization: Local Fluorescence Study at the Single-molecule Level. <i>Photochemistry and Photobiology</i> , 2000 , 71, 771-776	3.6	47
272	Epigenetic modification at Notch responsive promoters blunts efficacy of inducing notch pathway reactivation after myocardial infarction. <i>Circulation Research</i> , 2014 , 115, 636-49	15.7	46
271	Angiopoietin-1 gene transfer improves impaired wound healing in genetically diabetic mice without increasing VEGF expression. <i>Clinical Science</i> , 2008 , 114, 707-18	6.5	46
270	Neuropilin-1 identifies a subset of bone marrow Gr1- monocytes that can induce tumor vessel normalization and inhibit tumor growth. <i>Cancer Research</i> , 2012 , 72, 6371-81	10.1	44
269	Subnuclear distribution of the largest subunit of the human origin recognition complex during the cell cycle. <i>Journal of Cell Science</i> , 2004 , 117, 5221-31	5.3	44
268	Transcellular transfer of active HSV-1 thymidine kinase mediated by an 11-amino-acid peptide from HIV-1 Tat. <i>Cancer Gene Therapy</i> , 2003 , 10, 64-74	5.4	44
267	Permissiveness of human biliary epithelial cells to infection by hepatitis C virus. <i>Hepatology</i> , 1999 , 29, 1587-95	11.2	44
266	Gene amplification for c-erbB-2, c-myc, epidermal growth factor receptor, int-2, and N-myc measured by quantitative PCR with a multiple competitor template. <i>Clinical Chemistry</i> , 1995 , 41, 826-832	5.5	44

265	Utilization of the same DNA replication origin by human cells of different derivation. <i>Nucleic Acids Research</i> , 1996 , 24, 3289-94	20.1	43
264	The histone chaperone protein Nucleosome Assembly Protein-1 (hNAP-1) binds HIV-1 Tat and promotes viral transcription. <i>Retrovirology</i> , 2008 , 5, 8	3.6	43
263	alpha(v)beta3-integrin-dependent activation of focal adhesion kinase mediates NF-kappaB activation and motogenic activity by HIV-1 Tat in endothelial cells. <i>Journal of Cell Science</i> , 2005 , 118, 3949-58	5.3	43
262	The furin cleavage site of SARS-CoV-2 spike protein is a key determinant for transmission due to enhanced replication in airway cells		43
261	Treatment of human immunodeficiency virus infection with hydroxyurea: virologic and clinical evaluation. <i>Journal of Infectious Diseases</i> , 1996 , 174, 204-9	7	42
260	Enhancement of expression of vascular endothelial growth factor after adeno-associated virus gene transfer is associated with improvement of brain ischemia injury in the gerbil. <i>Pharmacological Research</i> , 2003 , 48, 309-17	10.2	42
259	Nuclear organization and the control of HIV-1 transcription. <i>Gene</i> , 2004 , 326, 1-11	3.8	42
258	Molecular and functional interactions of transcription factor USF with the long terminal repeat of human immunodeficiency virus type 1. <i>Journal of Virology</i> , 1995 , 69, 2765-75	6.6	42
257	Replication origins of mammalian chromosomes: the happy few. <i>Frontiers in Bioscience - Landmark</i> , 1999 , 4, D859-68	2.8	42
256	Functional properties of the separate subunits of human DNA helicase II/Ku autoantigen. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29919-26	5.4	41
255	Interactions of USF and Ku antigen with a human DNA region containing a replication origin. <i>Nucleic Acids Research</i> , 1993 , 21, 3257-63	20.1	41
254	A human DNA replication origin: localization and transcriptional characterization. <i>Chromosoma</i> , 1992 , 102, S24-31	2.8	41
253	Characterization of human DNA sequences synthesized at the onset of S-phase. <i>Nucleic Acids Research</i> , 1987 , 15, 10211-32	20.1	41
252	SARS-CoV-2 RNAemia and proteomic trajectories inform prognostication in COVID-19 patients admitted to intensive care. <i>Nature Communications</i> , 2021 , 12, 3406	17.4	41
251	Endothelial cell-cardiomyocyte crosstalk in heart development and disease. <i>Journal of Physiology</i> , 2020 , 598, 2923-2939	3.9	41
250	3D Carbon-Nanotube-Based Composites for Cardiac Tissue Engineering.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1530-1537	4.1	41
249	Effect of class IV laser therapy on chemotherapy-induced oral mucositis: a clinical and experimental study. <i>American Journal of Pathology</i> , 2013 , 183, 1747-1757	5.8	40
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