

Roberto Giovannoni

List of Publications by Year in descending order

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61
papers

2,012
citations

279701

23
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254106

43
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64
all docs

64
docs citations

64
times ranked

3439
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Hydrogen Peroxide in Redox-Dependent Signaling: Homeostatic and Pathological Responses in Mammalian Cells. <i>Cells</i> , 2018, 7, 156.	1.8	182
2	Efficient production by sperm-mediated gene transfer of human decay accelerating factor (hDAF) transgenic pigs for xenotransplantation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14230-14235.	3.3	162
3	Carbon monoxide improves cardiac energetics and safeguards the heart during reperfusion after cardiopulmonary bypass in pigs. <i>FASEB Journal</i> , 2004, 18, 1093-1095.	0.2	108
4	Sperm-mediated gene transfer. <i>Reproduction, Fertility and Development</i> , 2006, 18, 19.	0.1	108
5	Resveratrol Impairs Glioma Stem Cells Proliferation and Motility by Modulating the Wnt Signaling Pathway. <i>PLoS ONE</i> , 2017, 12, e0169854.	1.1	103
6	Genetically modified pigs produced with a nonviral episomal vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17672-17677.	3.3	99
7	CD73 Regulates Stemness and Epithelial-Mesenchymal Transition in Ovarian Cancer-Initiating Cells. <i>Stem Cell Reports</i> , 2018, 10, 1412-1425.	2.3	94
8	Dual Control of Neurogenesis by PC3 through Cell Cycle Inhibition and Induction of Math1. <i>Journal of Neuroscience</i> , 2004, 24, 3355-3369.	1.7	80
9	Inhibition of GSK3B Bypass Drug Resistance of p53-Null Colon Carcinomas by Enabling Necroptosis in Response to Chemotherapy. <i>Clinical Cancer Research</i> , 2013, 19, 3820-3831.	3.2	79
10	AAV-mediated photoreceptor transduction of the pig cone-enriched retina. <i>Gene Therapy</i> , 2011, 18, 637-645.	2.3	77
11	Multi-transgenic pigs expressing three fluorescent proteins produced with high efficiency by sperm mediated gene transfer. <i>Molecular Reproduction and Development</i> , 2005, 72, 68-76.	1.0	72
12	A novel oncogenic BTK isoform is overexpressed in colon cancers and required for RAS-mediated transformation. <i>Oncogene</i> , 2016, 35, 4368-4378.	2.6	53
13	A functional biological network centered on XRCC3: a new possible marker of chemoradiotherapy resistance in rectal cancer patients. <i>Cancer Biology and Therapy</i> , 2015, 16, 1160-1171.	1.5	49
14	The TGF- β 2 pathway is activated by 5-fluorouracil treatment in drug resistant colorectal carcinoma cells. <i>Oncotarget</i> , 2016, 7, 22077-22091.	0.8	49
15	Magnetic tweezers measurements of the nanomechanical stability of DNA against denaturation at various conditions of pH and ionic strength. <i>Nucleic Acids Research</i> , 2013, 41, 2009-2019.	6.5	42
16	SCN4A mutation as modifying factor of Myotonic Dystrophy Type 2 phenotype. <i>Neuromuscular Disorders</i> , 2015, 25, 301-307.	0.3	39
17	News on immune checkpoint inhibitors as immunotherapy strategies in adult and pediatric solid tumors. <i>Seminars in Cancer Biology</i> , 2022, 79, 18-43.	4.3	35
18	The Glioblastoma Microenvironment: Morphology, Metabolism, and Molecular Signature of Glial Dynamics to Discover Metabolic Rewiring Sequence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3301.	1.8	33

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19	Biliverdin Protects against Liver Ischemia Reperfusion Injury in Swine. PLoS ONE, 2013, 8, e69972.	1.1	32
20	p65BTK is a novel potential actionable target in KRAS-mutated/EGFR-wild type lung adenocarcinoma. Journal of Experimental and Clinical Cancer Research, 2019, 38, 260.	3.5	29
21	Diet Induced Mild Hypercholesterolemia in Pigs: Local and Systemic Inflammation, Effects on Vascular Injury – Rescue by High-Dose Statin Treatment. PLoS ONE, 2013, 8, e80588.	1.1	29
22	Reactive astrocytosis and glial glutamate transporter clustering are early changes in a spinocerebellar ataxia type 1 transgenic mouse model. Neuron Glia Biology, 2007, 3, 335-351.	2.0	26
23	HDL therapy today: from atherosclerosis, to stent compatibility to heart failure. Annals of Medicine, 2019, 51, 345-359.	1.5	26
24	Pathogenetic role of hypercholesterolemia in a novel preclinical model of vascular injury in pigs. Atherosclerosis, 2009, 207, 384-390.	0.4	23
25	BTK inhibitors synergise with 5-FU to treat drug-resistant TP53-null colon cancers. Journal of Pathology, 2020, 250, 134-147.	2.1	23
26	GSK3A Is Redundant with GSK3B in Modulating Drug Resistance and Chemotherapy-Induced Necroptosis. PLoS ONE, 2014, 9, e100947.	1.1	22
27	Methods for Sperm-Mediated Gene Transfer. Methods in Molecular Biology, 2013, 927, 519-529.	0.4	21
28	A Novel KCNJ2 Mutation Identified in an Autistic Proband Affects the Single Channel Properties of Kir2.1. Frontiers in Cellular Neuroscience, 2018, 12, 76.	1.8	21
29	Platinum-Based Drugs and DNA Interactions Studied by Single-Molecule and Bulk Measurements. Biophysical Journal, 2016, 110, 2151-2161.	0.2	20
30	CHRNA2 and Nocturnal Frontal Lobe Epilepsy: Identification and Characterization of a Novel Loss of Function Mutation. Frontiers in Molecular Neuroscience, 2019, 12, 17.	1.4	20
31	Metronomic combination of Vinorelbine and 5-Fluorouracil is able to inhibit triple-negative breast cancer cells. Results from the proof-of-concept VICTOR-0 study. Oncotarget, 2018, 9, 27448-27459.	0.8	20
32	Reduction of hyperacute rejection and protection of metabolism and function in hearts of human decay accelerating factor (hDAF)-expressing pigs. Cardiovascular Research, 2007, 73, 143-152.	1.8	19
33	Sperm-mediated gene transfer-treated spermatozoa maintain good quality parameters and in vitro fertilization ability in swine. Theriogenology, 2009, 72, 1163-1170.	0.9	17
34	Radiotherapy, Temozolomide, and Antiprogrammed Cell Death Protein 1 Treatments Modulate the Immune Microenvironment in Experimental High-Grade Glioma. Neurosurgery, 2021, 88, E205-E215.	0.6	17
35	Specific Expression of a New Bruton Tyrosine Kinase Isoform (p65BTK) in the Glioblastoma Gemistocytic Histotype. Frontiers in Molecular Neuroscience, 2019, 12, 2.	1.4	16
36	Prevalence of Plasmid-Mediated Quinolone Resistance Genes in Uropathogenic Escherichia coli isolated in a Teaching Hospital of Northern Italy. Microbial Drug Resistance, 2012, 18, 33-41.	0.9	15

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37	Simultaneous overexpression of human E5NT and ENTPD1 protects porcine endothelial cells against H2O2-induced oxidative stress and cytotoxicity in vitro. <i>Free Radical Biology and Medicine</i> , 2017, 108, 320-333.	1.3	12
38	CT-2A neurospheres-derived high-grade glioma in mice: a new model to address tumor stem cells and immunosuppression. <i>Biology Open</i> , 2019, 8, .	0.6	12
39	Heme Oxygenase-1 Inhibition Prevents Intimal Hyperplasia Enhancing Nitric Oxide-Dependent Apoptosis of Vascular Smooth Muscle Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1204-1214.	0.6	11
40	APOA-1Milano mutants, orally delivered via genetically modified rice, show anti-atherogenic and anti-inflammatory properties in vitro and in ApoE atherosclerotic mice. <i>International Journal of Cardiology</i> , 2018, 271, 233-239.	0.8	11
41	Simultaneous Overexpression of Functional Human HO-1, E5NT and ENTPD1 Protects Murine Fibroblasts against TNF- α -Induced Injury In Vitro. <i>PLoS ONE</i> , 2015, 10, e0141933.	1.1	10
42	Radiation dose-escalation and dose-fractionation modulate the immune microenvironment, cancer stem cells and vasculature in experimental high-grade gliomas. <i>Journal of Neurosurgical Sciences</i> , 2020, , .	0.3	10
43	Thyrospheres from B-CPAP Cell Line with <i>BRAF</i> and <i>TERT</i> Promoter Mutations have Different Functional and Molecular Features than Parental Cells. <i>Journal of Cancer</i> , 2017, 8, 1629-1639.	1.2	9
44	Co-expression of functional human Heme Oxygenase 1, Ecto-5 α -Nucleotidase and ecto-nucleoside triphosphate diphosphohydrolase-1 by a self-cleaving 2A peptide system. <i>Plasmid</i> , 2015, 79, 22-29.	0.4	8
45	Unexpected frequency of genomic alterations in histologically normal colonic tissue from colon cancer patients. <i>Tumor Biology</i> , 2016, 37, 13831-13842.	0.8	8
46	Rhabdomyosarcoma Cells Produce Their Own Extracellular Matrix With Minimal Involvement of Cancer-Associated Fibroblasts: A Preliminary Study. <i>Frontiers in Oncology</i> , 2020, 10, 600980.	1.3	8
47	Inhibition of plasminogen/plasmin system retrieves endogenous nerve growth factor and adaptive spinal synaptic plasticity following peripheral nerve injury. <i>Neurochemistry International</i> , 2021, 148, 105113.	1.9	8
48	Functional Analysis of Expression of Human Ecto-Nucleoside Triphosphate Diphosphohydrolase-1 and/or Ecto-5 α -Nucleotidase in Pig Endothelial Cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014, 33, 313-318.	0.4	7
49	The 1ALCTL and 1BLCTL isoforms of Arg/Abl2 induce fibroblast activation and extra cellular matrix remodelling differently. <i>Biology Open</i> , 2019, 8, .	0.6	7
50	p65BTK Is a Novel Biomarker and Therapeutic Target in Solid Tumors. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 690365.	1.8	7
51	Importance of nitric oxide synthase in the anchoring structures of <i>Neobenedenia girellae</i> an important fish parasite. <i>Biochemical Systematics and Ecology</i> , 2011, 39, 841-845.	0.6	4
52	Circulating tumor cells and cholangiocarcinoma. <i>Hepatology</i> , 2016, 63, 23-25.	3.6	4
53	Head Glands of Monogeneoidea: Morphology, Functionality, and Potentialities in Industrial Production of Surgery Bioadhesives. <i>Journal of Parasitology</i> , 2009, 95, 1330-1341.	0.3	3
54	In Vitro Production of Multigene Transgenic Blastocysts via Sperm-Mediated Gene Transfer Allows Rapid Screening of Constructs to Be Used in Xenotransplantation Experiments. <i>Transplantation Proceedings</i> , 2010, 42, 2142-2145.	0.3	3

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55	p65BTK targeting restores the apoptotic response to chemotherapy of p53-null drug-resistant colon cancer cells. <i>European Journal of Cancer</i> , 2016, 69, S140.	1.3	3
56	Pro64His (rs4644) Polymorphism Within Galectin-3 Is a Risk Factor of Differentiated Thyroid Carcinoma and Affects the Transcriptome of Thyrocytes Engineered via CRISPR/Cas9 System. <i>Thyroid</i> , 2021, 31, 1056-1066.	2.4	3
57	CoCl ₂ -Mimicked Endothelial Cell Hypoxia Induces Nucleotide Depletion and Functional Impairment That Is Reversed by Nucleotide Precursors. <i>Biomedicines</i> , 2022, 10, 1540.	1.4	3
58	Is metronomic vinorelbine (mVRL) able to inhibit both HUVEC and triple-negative breast cancer (TNBC) cells? The proof-of-concept VICTOR-0 study.. <i>Journal of Clinical Oncology</i> , 2017, 35, e14014-e14014.	0.8	1
59	Abstract B121: A novel oncogenic BTK isoform is overexpressed in colon cancers and required for RAS-mediated transformation. , 2015, , .		0
60	Abstract LB-282: Two different strategies of delivery CRISPR/Cas9 system to gene edit rs4644 SNP inLGALS3gene. , 2017, , .		0
61	Sperm-Mediated Genetic Modifications. <i>Methods in Molecular Biology</i> , 2020, 2066, 125-132.	0.4	0