Dario Brunetti

List of Publications by Year
in descending order

23 papers	1,004 citations	394421 19 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1409 citing authors

#	Article	IF	Citations
1	Pantothenate kinase-associated neurodegeneration: altered mitochondria membrane potential and defective respiration in Pank2 knock-out mouse model. Human Molecular Genetics, 2012, 21, 5294-5305.	2.9	87
2	Loss of function of the mitochondrial peptidase PITRM1 induces proteotoxic stress and Alzheimerâ€™s disease-like pathology in human cerebral organoids. Molecular Psychiatry, 2021, 26, 5733-5750.	7.9	79
3	Pantethine treatment is effective in recovering the disease phenotype induced by ketogenic diet in a pantothenate kinase-associated neurodegeneration mouse model. Brain, 2014, 137, 57-68.	7.6	78
4	Comparative aspects of somatic cell nuclear transfer with conventional and zona-free method in cattle, horse, pig and sheep. Theriogenology, 2007, 67, 90-98.	2.1	76
5	Defective <scp>PITRM</scp> 1 mitochondrial peptidase is associated with AÎ² amyloidotic neurodegeneration. EMBO Molecular Medicine, 2016, 8, 176-190.	6.9	60
6	Transgene Expression of Green Fluorescent Protein and Germ Line Transmission in Cloned Pigs Derived from<i>In Vitro</i>Transfected Adult Fibroblasts. Cloning and Stem Cells, 2008, 10, 409-420.	2.6	58
7	Exploring the Relevance of Senotherapeutics for the Current SARS-CoV-2 Emergency and Similar Future Global Health Threats. Cells, 2020, 9, 909.	4.1	58
8	Defective metabolic programming impairs early neuronal morphogenesis in neural cultures and an organoid model of Leigh syndrome. Nature Communications, 2021, 12, 1929.	12.8	55
9	Short-term and long-term effects of embryo culture in the surrogate sheep oviduct versus in vitro culture for different domestic species. Theriogenology, 2010, 73, 748-757.	2.1	50
10	Direct Derivation of Neural Rosettes from Cloned Bovine Blastocysts: A Model of Early Neurulation Events and Neural Crest Specification In Vitro. Stem Cells, 2006, 24, 2514-2521.	3.2	46
11	Therapeutic Approaches to Treat Mitochondrial Diseases: â€œOne-Size-Fits-Allâ€•and â€œPrecision Medicineâ€• Strategies. Pharmaceutics, 2020, 12, 1083.	4.5	44
12	C19orf12 and FA2H Mutations Are Rare in Italian Patients With Neurodegeneration With Brain Iron Accumulation. Seminars in Pediatric Neurology, 2012, 19, 75-81.	2.0	38
13	Targeting Multiple Mitochondrial Processes by a Metabolic Modulator Prevents Sarcopenia and Cognitive Decline in SAMP8 Mice. Frontiers in Pharmacology, 2020, 11, 1171.	3.5	31
14	Genetic engineering including superseding microinjection: new ways to make GM pigs. Xenotransplantation, 2010, 17, 397-410.	2.8	29
15	Development, embryonic genome activity and mitochondrial characteristics of bovineâ€“pig inter-family nuclear transfer embryos. Reproduction, 2010, 140, 273-285.	2.6	29
16	A Special Amino-Acid Formula Tailored to Boosting Cell Respiration Prevents Mitochondrial Dysfunction and Oxidative Stress Caused by Doxorubicin in Mouse Cardiomyocytes. Nutrients, 2020, 12, 282.	4.1	27
17	Complete neural stem cell (NSC) neuronal differentiation requires a branched chain amino acids-induced persistent metabolic shift towards energy metabolism. Pharmacological Research, 2020, 158, 104863.	7.1	27
18	Mitochondria in Neurogenesis: Implications for Mitochondrial Diseases. Stem Cells, 2021, 39, 1289-1297.	3.2	27

#	Article	IF	Citations
19	Mitochondrial <i>PITRM1</i> peptidase loss-of-function in childhood cerebellar atrophy. Journal of Medical Genetics, 2018, 55, 599-606.	3.2	26
20	SURF1 knockout cloned pigs: Early onset of a severe lethal phenotype. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 2131-2142.	3.8	24
21	Gene Therapy for Mitochondrial Diseases: Current Status and Future Perspective. Pharmaceutics, 2022, 14, 1287.	4.5	22
22	Role of PITRM1 in Mitochondrial Dysfunction and Neurodegeneration. Biomedicines, 2021, 9, 833.	3.2	17
23	Differentiation potential and GFP labeling of sheep bone marrowâ€derived mesenchymal stem cells. Journal of Cellular Biochemistry, 2013, 114, 134-143.	2.6	15