

Clara De Palma

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

2,466
citations

27
h-index

49
g-index

67
ext. papers

3,343
ext. citations

7.6
avg, IF

4.49
L-index

#	Paper	IF	Citations
63	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
62	Autophagy as a new therapeutic target in Duchenne muscular dystrophy. <i>Cell Death and Disease</i> , 2012 , 3, e418	9.8	151
61	Endothelial nitric oxide synthase activation by tumor necrosis factor alpha through neutral sphingomyelinase 2, sphingosine kinase 1, and sphingosine 1 phosphate receptors: a novel pathway relevant to the pathophysiology of endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 99-107	9.4	131
60	Placental mitochondrial content and function in intrauterine growth restriction and preeclampsia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E404-13	6	116
59	Tumour homing and therapeutic effect of colloidal nanoparticles depend on the number of attached antibodies. <i>Nature Communications</i> , 2016 , 7, 13818	17.4	93
58	Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation. <i>Cell Death and Differentiation</i> , 2010 , 17, 1684-96	12.7	91
57	Activation of acid sphingomyelinase and its inhibition by the nitric oxide/cyclic guanosine 3',5'-cyclic monophosphate pathway: key events in Escherichia coli-elicited apoptosis of dendritic cells. <i>Journal of Immunology</i> , 2004 , 173, 4452-63	5.3	81
56	The first ALS2 missense mutation associated with JPLS reveals new aspects of alsin biological function. <i>Brain</i> , 2006 , 129, 1710-9	11.2	77
55	Single-domain protein A-engineered magnetic nanoparticles: toward a universal strategy to site-specific labeling of antibodies for targeted detection of tumor cells. <i>ACS Nano</i> , 2010 , 4, 5693-702	16.7	74
54	The thyroid hormone triiodothyronine controls macrophage maturation and functions: protective role during inflammation. <i>American Journal of Pathology</i> , 2014 , 184, 230-47	5.8	72
53	Muscle-specific Drp1 overexpression impairs skeletal muscle growth via translational attenuation. <i>Cell Death and Disease</i> , 2015 , 6, e1663	9.8	63
52	Assessing the in vivo targeting efficiency of multifunctional nanoconstructs bearing antibody-derived ligands. <i>ACS Nano</i> , 2013 , 7, 6092-102	16.7	63
51	HER2 expression in breast cancer cells is downregulated upon active targeting by antibody-engineered multifunctional nanoparticles in mice. <i>ACS Nano</i> , 2011 , 5, 6383-93	16.7	58
50	Nitric Oxide Generated by Tumor-Associated Macrophages Is Responsible for Cancer Resistance to Cisplatin and Correlated With Syntaxin 4 and Acid Sphingomyelinase Inhibition. <i>Frontiers in Immunology</i> , 2018 , 9, 1186	8.4	51
49	Nitric oxide in myogenesis and therapeutic muscle repair. <i>Molecular Neurobiology</i> , 2012 , 46, 682-92	6.2	50
48	The low-affinity receptor for neurotrophins p75NTR plays a key role for satellite cell function in muscle repair acting via RhoA. <i>Molecular Biology of the Cell</i> , 2009 , 20, 3620-7	3.5	50
47	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. <i>Skeletal Muscle</i> , 2014 , 4, 22	5.1	46

46	Nitric oxide confers therapeutic activity to dendritic cells in a mouse model of melanoma. <i>Cancer Research</i> , 2004 , 64, 3767-71	10.1	45
45	Towards ideal magnetofluorescent nanoparticles for bimodal detection of breast-cancer cells. <i>Small</i> , 2009 , 5, 2555-64	11	36
44	Skeletal muscle homeostasis in duchenne muscular dystrophy: modulating autophagy as a promising therapeutic strategy. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 188	5.3	35
43	Synergism of nitric oxide and maturation signals on human dendritic cells occurs through a cyclic GMP-dependent pathway. <i>Journal of Leukocyte Biology</i> , 2003 , 73, 253-62	6.5	33
42	Endothelial nitric oxide synthase overexpression by neuronal cells in neurodegeneration: a link between inflammation and neuroprotection. <i>Journal of Neurochemistry</i> , 2008 , 106, 193-204	6	32
41	Essential role for acid sphingomyelinase-inhibited autophagy in melanoma response to cisplatin. <i>Oncotarget</i> , 2016 , 7, 24995-5009	3.3	30
40	Nitric oxide drives embryonic myogenesis in chicken through the upregulation of myogenic differentiation factors. <i>Experimental Cell Research</i> , 2014 , 320, 269-80	4.2	29
39	Acid sphingomyelinase determines melanoma progression and metastatic behaviour via the microphthalmia-associated transcription factor signalling pathway. <i>Cell Death and Differentiation</i> , 2014 , 21, 507-20	12.7	28
38	Sphingolipids and brain resident macrophages in neuroinflammation: an emerging aspect of nervous system pathology. <i>Clinical and Developmental Immunology</i> , 2013 , 2013, 309302		28
37	The emerging role of acid sphingomyelinase in autophagy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 635-44	5.4	27
36	TGFbeta protects mesoangioblasts from apoptosis via sphingosine kinase-1 regulation. <i>Cellular Signalling</i> , 2009 , 21, 228-36	4.9	27
35	Autophagy controls neonatal myogenesis by regulating the GH-IGF1 system through a NFE2L2- and DDIT3-mediated mechanism. <i>Autophagy</i> , 2019 , 15, 58-77	10.2	25
34	Reversal of Defective Mitochondrial Biogenesis in Limb-Girdle Muscular Dystrophy 2D by Independent Modulation of Histone and PGC-1 α Acetylation. <i>Cell Reports</i> , 2016 , 17, 3010-3023	10.6	25
33	Ibuprofen-arginine generates nitric oxide and has enhanced anti-inflammatory effects. <i>Pharmacological Research</i> , 2009 , 60, 221-8	10.2	24
32	The Fine Tuning of Drp1-Dependent Mitochondrial Remodeling and Autophagy Controls Neuronal Differentiation. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 120	6.1	23
31	Endothelial nitric oxide synthase is segregated from caveolin-1 and localizes to the leading edge of migrating cells. <i>Experimental Cell Research</i> , 2006 , 312, 877-89	4.2	21
30	Mitophagy contributes to endothelial adaptation to simulated microgravity. <i>FASEB Journal</i> , 2020 , 34, 1833-1845	0.9	20
29	Characterization of two novel SETX mutations in AOA2 patients reveals aspects of the pathophysiological role of senataxin. <i>Neurogenetics</i> , 2010 , 11, 91-100	3	20

28	Nitric oxide and sphingolipids: mechanisms of interaction and role in cellular pathophysiology. <i>Biological Chemistry</i> , 2008 , 389, 1391-7	4.5	19
27	Five-aminosalicylic Acid: an update for the reappraisal of an old drug. <i>Gastroenterology Research and Practice</i> , 2015 , 2015, 456895	2	18
26	Modulation of Acid Sphingomyelinase in Melanoma Reprogrammes the Tumour Immune Microenvironment. <i>Mediators of Inflammation</i> , 2015 , 2015, 370482	4.3	16
25	Nitric oxide, ceramide and sphingomyelinase-coupled receptors: a tale of enzymes and messengers coordinating cell death, survival and differentiation. <i>Life Sciences</i> , 2005 , 77, 1732-9	6.8	16
24	Current Evidence for a Role of Neuropeptides in the Regulation of Autophagy. <i>BioMed Research International</i> , 2017 , 2017, 5856071	3	15
23	Dysfunctional autophagy induced by the pro-apoptotic natural compound climacostol in tumour cells. <i>Cell Death and Disease</i> , 2018 , 10, 10	9.8	14
22	Potent Antiglioblastoma Agents by Hybridizing the Onium-Alkyloxy-Stilbene Based Structures of an α -nAChR, β -nAChR Antagonist and of a Pro-Oxidant Mitocan. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 10531-10544	8.3	14
21	Drp1 overexpression induces desmin disassembling and drives kinesin-1 activation promoting mitochondrial trafficking in skeletal muscle. <i>Cell Death and Differentiation</i> , 2020 , 27, 2383-2401	12.7	11
20	The Natural Compound Climacostol as a Prodrug Strategy Based on pH Activation for Efficient Delivery of Cytotoxic Small Agents. <i>Frontiers in Chemistry</i> , 2019 , 7, 463	5	11
19	Naproxinod shows significant advantages over naproxen in the mdx model of Duchenne Muscular Dystrophy. <i>Orphanet Journal of Rare Diseases</i> , 2015 , 10, 101	4.2	11
18	Hormones and immunity in cancer: are thyroid hormones endocrine players in the microglia/glioma cross-talk?. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 236	6.1	11
17	Autophagy in the Regulation of Tissue Differentiation and Homeostasis. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 602901	5.7	10
16	Defective endoplasmic reticulum-mitochondria contacts and bioenergetics in SEPN1-related myopathy. <i>Cell Death and Differentiation</i> , 2021 , 28, 123-138	12.7	10
15	3D Quantitative and Ultrastructural Analysis of Mitochondria in a Model of Doxorubicin Sensitive and Resistant Human Colon Carcinoma Cells. <i>Cancers</i> , 2019 , 11,	6.6	8
14	Ceramide as a target of chemotherapy: its role in apoptosis and autophagy. <i>Clinical Lipidology</i> , 2012 , 7, 111-119		8
13	XIAP as a Target of New Small Organic Natural Molecules Inducing Human Cancer Cell Death. <i>Cancers</i> , 2019 , 11,	6.6	7
12	Diverse Action of Selected Statins on Skeletal Muscle Cells-An Attempt to Explain the Protective Effect of Geranylgeraniol (GGOH) in Statin-Associated Myopathy (SAM). <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	7
11	The Suv420h histone methyltransferases regulate PPAR- α and energy expenditure in response to environmental stimuli. <i>Science Advances</i> , 2019 , 5, eaav1472	14.3	7

10	Magnetofluorescent nanoparticles for bimodal detection of breast cancer cells 2010 ,		7
9	A cellular system to study the role of nitric oxide in cell death, survival, and migration. <i>NeuroToxicology</i> , 2005 , 26, 841-5	4.4	6
8	Defects of full-length dystrophin trigger retinal neuron damage and synapse alterations by disrupting functional autophagy. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 1615-1636	10.3	5
7	Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. <i>Pharmacological Research</i> , 2021 , 166, 105488	10.2	4
6	Acid Sphingomyelinase Downregulation Enhances Mitochondrial Fusion and Promotes Oxidative Metabolism in a Mouse Model of Melanoma. <i>Cells</i> , 2020 , 9,	7.9	4
5	In vivo magnetic resonance spectroscopy in the brain of Cdkl5 null mice reveals a metabolic profile indicative of mitochondrial dysfunctions. <i>Journal of Neurochemistry</i> , 2021 , 157, 1253-1269	6	4
4	Givinostat as metabolic enhancer reverting mitochondrial biogenesis deficit in Duchenne Muscular Dystrophy. <i>Pharmacological Research</i> , 2021 , 170, 105751	10.2	4
3	Targeting HDAC8 to ameliorate skeletal muscle differentiation in Duchenne muscular dystrophy. <i>Pharmacological Research</i> , 2021 , 170, 105750	10.2	2
2	Reactive Species and Mechanisms of Cell Injury 2014 , 88-96		
1	Nitric Oxide in the Regulation of Mitochondrial Biogenesis. <i>Oxidative Stress and Disease</i> , 2012 , 157-167		