

Clara De Palma

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

4,070
citations

172207

29
h-index

123241

61
g-index

67
all docs

67
docs citations

67
times ranked

7004
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430 | 4.3 | 1,430 |
| 2 | Autophagy as a new therapeutic target in Duchenne muscular dystrophy. <i>Cell Death and Disease</i> , 2012, 3, e418-e418. | 2.7 | 216 |
| 3 | Endothelial Nitric Oxide Synthase Activation by Tumor Necrosis Factor $\hat{\pm}$ Through Neutral Sphingomyelinase 2, Sphingosine Kinase 1, and Sphingosine 1 Phosphate Receptors. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 99-105. | 1.1 | 147 |
| 4 | Placental mitochondrial content and function in intrauterine growth restriction and preeclampsia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E404-E413. | 1.8 | 143 |
| 5 | Tumour homing and therapeutic effect of colloidal nanoparticles depend on the number of attached antibodies. <i>Nature Communications</i> , 2016, 7, 13818. | 5.8 | 115 |
| 6 | Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation. <i>Cell Death and Differentiation</i> , 2010, 17, 1684-1696. | 5.0 | 106 |
| 7 | The Thyroid Hormone Triiodothyronine Controls Macrophage Maturation and Functions. <i>American Journal of Pathology</i> , 2014, 184, 230-247. | 1.9 | 104 |
| 8 | Activation of Acid Sphingomyelinase and Its Inhibition by the Nitric Oxide/Cyclic Guanosine 3â€²,5â€²-Monophosphate Pathway: Key Events in <i>Escherichia coli</i> -Elicited Apoptosis of Dendritic Cells. <i>Journal of Immunology</i> , 2004, 173, 4452-4463. | 0.4 | 92 |
| 9 | Muscle-specific Drp1 overexpression impairs skeletal muscle growth via translational attenuation. <i>Cell Death and Disease</i> , 2015, 6, e1663-e1663. | 2.7 | 88 |
| 10 | The first ALS2 missense mutation associated with JPLS reveals new aspects of alsin biological function. <i>Brain</i> , 2006, 129, 1710-1719. | 3.7 | 87 |
| 11 | 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, 5693-5702. | 7.3 | 77 |
| 12 | 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. | 2.2 | 76 |
| 13 | Assessing the <i>In Vivo</i> Targeting Efficiency of Multifunctional Nanoconstructs Bearing Antibody-Derived Ligands. <i>ACS Nano</i> , 2013, 7, 6092-6102. | 7.3 | 73 |
| 14 | HER2 Expression in Breast Cancer Cells Is Downregulated Upon Active Targeting by Antibody-Engineered Multifunctional Nanoparticles in Mice. <i>ACS Nano</i> , 2011, 5, 6383-6393. | 7.3 | 66 |
| 15 | Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. <i>Skeletal Muscle</i> , 2014, 4, 22. | 1.9 | 58 |
| 16 | The Low-Affinity Receptor for Neurotrophins p75 ^{NTR} Plays a Key Role for Satellite Cell Function in Muscle Repair Acting via RhoA. <i>Molecular Biology of the Cell</i> , 2009, 20, 3620-3627. | 0.9 | 55 |
| 17 | Nitric Oxide in Myogenesis and Therapeutic Muscle Repair. <i>Molecular Neurobiology</i> , 2012, 46, 682-692. | 1.9 | 54 |
| 18 | Skeletal Muscle Homeostasis in Duchenne Muscular Dystrophy: Modulating Autophagy as a Promising Therapeutic Strategy. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 188. | 1.7 | 49 |

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|----|--|-----|-----------|
| 19 | Nitric Oxide Confers Therapeutic Activity to Dendritic Cells in a Mouse Model of Melanoma. <i>Cancer Research</i> , 2004, 64, 3767-3771. | 0.4 | 48 |
| 20 | Sphingolipids and Brain Resident Macrophages in Neuroinflammation: An Emerging Aspect of Nervous System Pathology. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-8. | 3.3 | 41 |
| 21 | Autophagy controls neonatal myogenesis by regulating the GH-IGF1 system through a NFE2L2- and DDIT3-mediated mechanism. <i>Autophagy</i> , 2019, 15, 58-77. | 4.3 | 41 |
| 22 | Towards Ideal Magnetofluorescent Nanoparticles for Bimodal Detection of Breast Cancer Cells. <i>Small</i> , 2009, 5, 2555-2564. | 5.2 | 40 |
| 23 | Nitric oxide drives embryonic myogenesis in chicken through the upregulation of myogenic differentiation factors. <i>Experimental Cell Research</i> , 2014, 320, 269-280. | 1.2 | 39 |
| 24 | The Fine Tuning of Drp1-Dependent Mitochondrial Remodeling and Autophagy Controls Neuronal Differentiation. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 120. | 1.8 | 39 |
| 25 | Essential role for acid sphingomyelinase-inhibited autophagy in melanoma response to cisplatin. <i>Oncotarget</i> , 2016, 7, 24995-25009. | 0.8 | 38 |
| 26 | Acid sphingomyelinase determines melanoma progression and metastatic behaviour via the microphthalmia-associated transcription factor signalling pathway. <i>Cell Death and Differentiation</i> , 2014, 21, 507-520. | 5.0 | 37 |
| 27 | The emerging role of Acid Sphingomyelinase in autophagy. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 635-644. | 2.2 | 36 |
| 28 | 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, 253-262. | 1.5 | 34 |
| 29 | 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. | 2.1 | 33 |
| 30 | Ibuprofen L-arginine generates nitric oxide and has enhanced anti-inflammatory effects. <i>Pharmacological Research</i> , 2009, 60, 221-228. | 3.1 | 31 |
| 31 | 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. | 2.9 | 30 |
| 32 | Autophagy in the Regulation of Tissue Differentiation and Homeostasis. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 602901. | 1.8 | 29 |
| 33 | Defective endoplasmic reticulum-mitochondria contacts and bioenergetics in SEPNI-related myopathy. <i>Cell Death and Differentiation</i> , 2021, 28, 123-138. | 5.0 | 29 |
| 34 | TGF β 2 protects mesoangioblasts from apoptosis via sphingosine kinase-1 regulation. <i>Cellular Signalling</i> , 2009, 21, 228-236. | 1.7 | 28 |
| 35 | 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. | 5.0 | 28 |
| 36 | Dysfunctional autophagy induced by the pro-apoptotic natural compound climacostol in tumour cells. <i>Cell Death and Disease</i> , 2019, 10, 10. | 2.7 | 27 |

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|----|---|-----|-----------|
| 37 | Five-Aminosalicylic Acid: An Update for the Reappraisal of an Old Drug. <i>Gastroenterology Research and Practice</i> , 2015, 2015, 1-9. | 0.7 | 26 |
| 38 | Mitophagy contributes to endothelial adaptation to simulated microgravity. <i>FASEB Journal</i> , 2020, 34, 1833-1845. | 0.2 | 26 |
| 39 | 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, 877-889. | 1.2 | 24 |
| 40 | Characterization of two novel SETX mutations in AOA2 patients reveals aspects of the pathophysiological role of senataxin. <i>Neurogenetics</i> , 2010, 11, 91-100. | 0.7 | 24 |
| 41 | Nitric oxide and sphingolipids: mechanisms of interaction and role in cellular pathophysiology. <i>Biological Chemistry</i> , 2008, 389, 1391-7. | 1.2 | 23 |
| 42 | Current Evidence for a Role of Neuropeptides in the Regulation of Autophagy. <i>BioMed Research International</i> , 2017, 2017, 1-10. | 0.9 | 22 |
| 43 | Modulation of Acid Sphingomyelinase in Melanoma Reprogrammes the Tumour Immune Microenvironment. <i>Mediators of Inflammation</i> , 2015, 2015, 1-13. | 1.4 | 21 |
| 44 | Potent Antiglioblastoma Agents by Hybridizing the Onium-Alkyloxy-Stilbene Based Structures of an $\alpha 7$ -nAChR, $\alpha 9$ -nAChR Antagonist and of a Pro-Oxidant Mitocan. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10531-10544. | 2.9 | 21 |
| 45 | Givinostat as metabolic enhancer reverting mitochondrial biogenesis deficit in Duchenne Muscular Dystrophy. <i>Pharmacological Research</i> , 2021, 170, 105751. | 3.1 | 19 |
| 46 | 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, 1732-1739. | 2.0 | 18 |
| 47 | Targeting HDAC8 to ameliorate skeletal muscle differentiation in Duchenne muscular dystrophy. <i>Pharmacological Research</i> , 2021, 170, 105750. | 3.1 | 17 |
| 48 | 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. | 1.8 | 15 |
| 49 | 3D Quantitative and Ultrastructural Analysis of Mitochondria in a Model of Doxorubicin Sensitive and Resistant Human Colon Carcinoma Cells. <i>Cancers</i> , 2019, 11, 1254. | 1.7 | 14 |
| 50 | Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. <i>Pharmacological Research</i> , 2021, 166, 105488. | 3.1 | 14 |
| 51 | The Suv420h histone methyltransferases regulate PPAR- α and energy expenditure in response to environmental stimuli. <i>Science Advances</i> , 2019, 5, eaav1472. | 4.7 | 13 |
| 52 | Naproxinod shows significant advantages over naproxen in the mdx model of Duchenne Muscular Dystrophy. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 101. | 1.2 | 12 |
| 53 | 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. | 1.8 | 12 |
| 54 | 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. | 2.4 | 12 |

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|----|--|-----|-----------|
| 55 | XIAP as a Target of New Small Organic Natural Molecules Inducing Human Cancer Cell Death. <i>Cancers</i> , 2019, 11, 1336. | 1.7 | 11 |
| 56 | Ceramide as a target of chemotherapy: its role in apoptosis and autophagy. <i>Clinical Lipidology</i> , 2012, 7, 111-119. | 0.4 | 10 |
| 57 | In vivo magnetic resonance spectroscopy in the brain of <i>Cdkl5</i> null mice reveals a metabolic profile indicative of mitochondrial dysfunctions. <i>Journal of Neurochemistry</i> , 2021, 157, 1253-1269. | 2.1 | 10 |
| 58 | Nutraceutical Strategy to Counteract Eye Neurodegeneration and Oxidative Stress in <i>Drosophila melanogaster</i> Fed with High-Sugar Diet. <i>Antioxidants</i> , 2021, 10, 1197. | 2.2 | 9 |
| 59 | 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, 694. | 1.0 | 8 |
| 60 | Acid Sphingomyelinase Downregulation Enhances Mitochondrial Fusion and Promotes Oxidative Metabolism in a Mouse Model of Melanoma. <i>Cells</i> , 2020, 9, 848. | 1.8 | 8 |
| 61 | Magnetofluorescent nanoparticles for bimodal detection of breast cancer cells. , 2010, , . | | 7 |
| 62 | A Cellular System to Study the Role of Nitric Oxide in Cell Death, Survival, and Migration. <i>NeuroToxicology</i> , 2005, 26, 841-845. | 1.4 | 6 |
| 63 | Acid Sphingomyelinase Controls Early Phases of Skeletal Muscle Regeneration by Shaping the Macrophage Phenotype. <i>Cells</i> , 2021, 10, 3028. | 1.8 | 4 |
| 64 | Nitric Oxide in the Regulation of Mitochondrial Biogenesis. <i>Oxidative Stress and Disease</i> , 2012, , 157-167. | 0.3 | 0 |
| 65 | Reactive Species and Mechanisms of Cell Injury. , 2014, , 88-96. | | 0 |
| 66 | NEW INSIGHTS INTO CELLULAR FUNCTIONS. <i>Neuromuscular Disorders</i> , 2018, 28, S88. | 0.3 | 0 |