

# Davide Cervia

## List of Publications by Year in descending order

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74  
papers

7,172  
citations

126858

33  
h-index

85498

71  
g-index

74  
all docs

74  
docs citations

74  
times ranked

16281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Interleukin 18 in the CNS. <i>Journal of Neuroinflammation</i> , 2010, 7, 9.	3.1	223
3	Distinct functional properties of native somatostatin receptor subtype 5 compared with subtype 2 in the regulation of ACTH release by corticotroph tumor cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E278-E287.	1.8	133
4	Expression, pharmacology, and functional role of somatostatin receptor subtypes 1 and 2 in human macrophages. <i>Journal of Leukocyte Biology</i> , 2007, 81, 845-855.	1.5	109
5	The Thyroid Hormone Triiodothyronine Controls Macrophage Maturation and Functions. <i>American Journal of Pathology</i> , 2014, 184, 230-247.	1.9	104
6	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
7	An update on somatostatin receptor signaling in native systems and new insights on their pathophysiology. , 2007, 116, 322-341.		63
8	Physiology and pathology of somatostatin in the mammalian retina: A current view. <i>Molecular and Cellular Endocrinology</i> , 2008, 286, 112-122.	1.6	63
9	Autophagy-mediated neuroprotection induced by octreotide in an ex vivo model of early diabetic retinopathy. <i>Pharmacological Research</i> , 2018, 128, 167-178.	3.1	60
10	Deficient nitric oxide signalling impairs skeletal muscle growth and performance: involvement of mitochondrial dysregulation. <i>Skeletal Muscle</i> , 2014, 4, 22.	1.9	58
11	Vascular endothelial growth factor in the ischemic retina and its regulation by somatostatin. <i>Journal of Neurochemistry</i> , 2012, 120, 818-829.	2.1	53
12	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
13	An update on the assessment and management of metabolic syndrome, a growing medical emergency in paediatric populations. <i>Pharmacological Research</i> , 2017, 119, 99-117.	3.1	47
14	Genetic deletion of somatostatin receptor 1 alters somatostatinergic transmission in the mouse retina. <i>Neuropharmacology</i> , 2003, 45, 1080-1092.	2.0	44
15	Changes in neuronal response to ischemia in retinas with genetic alterations of somatostatin receptor expression. <i>European Journal of Neuroscience</i> , 2007, 25, 1447-1459.	1.2	44
16	Modulation of the neuronal response to ischaemia by somatostatin analogues in wild-type and knockout mouse retinas. <i>Journal of Neurochemistry</i> , 2008, 106, 2224-2235.	2.1	44
17	Natural products from aquatic eukaryotic microorganisms for cancer therapy: Perspectives on anti-tumour properties of ciliate bioactive molecules. <i>Pharmacological Research</i> , 2016, 113, 409-420.	3.1	43
18	Mapping of the full length and the truncated interleukin-18 receptor alpha in the mouse brain. <i>Journal of Neuroimmunology</i> , 2009, 214, 43-54.	1.1	41

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19	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
20	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
21	Pharmacological characterisation of native somatostatin receptors in AtT-20 mouse tumour corticotrophs. <i>British Journal of Pharmacology</i> , 2003, 139, 109-121.	2.7	39
22	Somatostatin receptors differentially affect spontaneous epileptiform activity in mouse hippocampal slices. <i>European Journal of Neuroscience</i> , 2004, 20, 2711-2721.	1.2	39
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	Cytotoxic effects and apoptotic signalling mechanisms of the sesquiterpenoid euplotin C, a secondary metabolite of the marine ciliate <i>Euplotes crassus</i> , in tumour cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 829-843.	2.2	38
25	Essential role for acid sphingomyelinase-inhibited autophagy in melanoma response to cisplatin. <i>Oncotarget</i> , 2016, 7, 24995-25009.	0.8	38
26	Compensatory changes in the hippocampus of somatostatin knockout mice: upregulation of somatostatin receptor 2 and its function in the control of bursting activity and synaptic transmission. <i>European Journal of Neuroscience</i> , 2006, 23, 2404-2422.	1.2	37
27	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
28	Climacostol reduces tumour progression in a mouse model of melanoma via the p53-dependent intrinsic apoptotic programme. <i>Scientific Reports</i> , 2016, 6, 27281.	1.6	37
29	Inhibitory Control of Growth Hormone Secretion by Somatostatin in Rat Pituitary GC Cells: sst <sub>2</sub> but Not sst <sub>1</sub> Receptors Are Coupled to Inhibition of Single-Cell Intracellular Free Calcium Concentrations. <i>Neuroendocrinology</i> , 2002, 76, 99-110.	1.2	36
30	Molecular mechanisms of euplotin C-induced apoptosis: involvement of mitochondrial dysfunction, oxidative stress and proteases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1349-1363.	2.2	36
31	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
32	Protective effects of the neuropeptides PACAP, substance P and the somatostatin analogue octreotide in retinal ischemia: a metabolomic analysis. <i>Molecular BioSystems</i> , 2014, 10, 1290.	2.9	35
33	Somatostatin-induced control of cytosolic free calcium in pituitary tumour cells. <i>British Journal of Pharmacology</i> , 2000, 129, 471-484.	2.7	34
34	The Beta Adrenergic Receptor Blocker Propranolol Counteracts Retinal Dysfunction in a Mouse Model of Oxygen Induced Retinopathy: Restoring the Balance between Apoptosis and Autophagy. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 395.	1.8	34
35	Somatostatin (SRIF) modulates distinct signaling pathways in rat pituitary tumor cells; negative coupling of SRIF receptor subtypes 1 and 2 to arachidonic acid release. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002, 365, 200-209.	1.4	33
36	Biological activity of somatostatin receptors in GC rat tumour somatotrophs: evidence with sst <sub>1</sub> sst <sub>5</sub> receptor-selective nonpeptidyl agonists. <i>Neuropharmacology</i> , 2003, 44, 672-685.	2.0	33

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37	Somatostatin coupling to adenylyl cyclase activity in the mouse retina. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 370, 91-98.	1.4	33
38	Native somatostatin sst2 and sst5 receptors functionally coupled to Gi/o-protein, but not to the serum response element in AtT-20 mouse tumour corticotrophs. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 578-587.	1.4	31
39	Reversal of Defective Mitochondrial Biogenesis in Limb-Girdle Muscular Dystrophy 2D by Independent Modulation of Histone and PGC-1 $\beta$ Acetylation. <i>Cell Reports</i> , 2016, 17, 3010-3023.	2.9	30
40	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
41	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
42	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
43	Neuroprotective Peptides in Retinal Disease. <i>Journal of Clinical Medicine</i> , 2019, 8, 1146.	1.0	25
44	Binding and functional properties of the novel somatostatin analogue KE 108 at native mouse somatostatin receptors. <i>Neuropharmacology</i> , 2005, 48, 881-893.	2.0	24
45	Diabetic retinopathy: a matter of retinal ganglion cell homeostasis. <i>Neural Regeneration Research</i> , 2020, 15, 1253.	1.6	23
46	Current Evidence for a Role of Neuropeptides in the Regulation of Autophagy. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	22
47	Modulation of Acid Sphingomyelinase in Melanoma Reprogrammes the Tumour Immune Microenvironment. <i>Mediators of Inflammation</i> , 2015, 2015, 1-13.	1.4	21
48	Givinostat as metabolic enhancer reverting mitochondrial biogenesis deficit in Duchenne Muscular Dystrophy. <i>Pharmacological Research</i> , 2021, 170, 105751.	3.1	19
49	Comparison of functional profiles at human recombinant somatostatin sst2 receptor: simultaneous determination of intracellular Ca <sup>2+</sup> and luciferase expression in CHO-K1 cells. <i>British Journal of Pharmacology</i> , 2004, 142, 150-160.	2.7	18
50	ALS skin fibroblasts reveal oxidative stress and ERK1/2-mediated cytoplasmic localization of TDP-43. <i>Cellular Signalling</i> , 2020, 70, 109591.	1.7	18
51	The protein pheromone Er-1 of the ciliate <i>Euplotes raikovi</i> stimulates human T-cell activity: Involvement of interleukin-2 system. <i>Experimental Cell Research</i> , 2013, 319, 56-67.	1.2	15
52	Engineered nanoparticles of titanium dioxide (TiO <sub>2</sub> ): Uptake and biological effects in a sea bass cell line. <i>Fish and Shellfish Immunology</i> , 2017, 63, 53-67.	1.6	15
53	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
54	Retinal damage in a new model of hyperglycemia induced by high-sucrose diets. <i>Pharmacological Research</i> , 2021, 166, 105488.	3.1	14

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55	Divergences in the Response to Ultraviolet Radiation Between Polar and Non-Polar Ciliated Protozoa. <i>Microbial Ecology</i> , 2012, 63, 334-338.	1.4	12
56	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
57	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
58	The Secondary Metabolite Euplotin C Induces Apoptosis-Like Death in the Marine Ciliated Protist <i>Euplotes vannus</i> . <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 263-269.	0.8	11
59	XIAP as a Target of New Small Organic Natural Molecules Inducing Human Cancer Cell Death. <i>Cancers</i> , 2019, 11, 1336.	1.7	11
60	Action Mechanisms of the Secondary Metabolite Euplotin C: Signaling and Functional Role in <i>Euplotes</i> . <i>Journal of Eukaryotic Microbiology</i> , 2008, 55, 365-373.	0.8	10
61	Oxidative Stress and Autophagy as Key Targets in Melanoma Cell Fate. <i>Cancers</i> , 2021, 13, 5791.	1.7	10
62	The cyclooxygenase-2/prostaglandin E2 pathway is involved in the somatostatin-induced decrease of epileptiform bursting in the mouse hippocampus. <i>Neuropharmacology</i> , 2008, 54, 874-884.	2.0	9
63	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
64	Multiple Signalling Transduction Mechanisms Differentially Coupled to Somatostatin Receptor Subtypes: A Current View. <i>Current Enzyme Inhibition</i> , 2005, 1, 265-279.	0.3	9
65	Identification and functional characterization of loss-of-function mutations of the calcium-sensing receptor in four Italian kindreds with familial hypocalciuric hypercalcemia. <i>European Journal of Endocrinology</i> , 2009, 160, 481-489.	1.9	8
66	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
67	Bioactivity and Structural Properties of Novel Synthetic Analogues of the Protozoan Toxin Climacostol. <i>Toxins</i> , 2019, 11, 42.	1.5	7
68	Recent advances in cellular and molecular aspects of mammalian retinal ischemia. <i>World Journal of Pharmacology</i> , 2012, 1, 30.	1.3	7
69	Natural Function and Structural Modification of Climacostol, a Ciliate Secondary Metabolite. <i>Microorganisms</i> , 2020, 8, 809.	1.6	4
70	A <i>Drosophila</i> perspective on retina functions and dysfunctions. <i>Neural Regeneration Research</i> , 2022, 17, 341.	1.6	4
71	Acid Sphingomyelinase Controls Early Phases of Skeletal Muscle Regeneration by Shaping the Macrophage Phenotype. <i>Cells</i> , 2021, 10, 3028.	1.8	4
72	The $\text{Ca}^{2+}$ /calmodulin-dependent kinase type II as possible mediator of somatostatin functions in pituitary tumour cells. <i>General Physiology and Biophysics</i> , 2011, 30, 251-262.	0.4	3

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73	Macrophage differentiation and functional polarization: role of thyroid hormones. FASEB Journal, 2012, 26, 715.6.	0.2	0
74	Receptors on Autonomic Neurons and Neuroeffector Cells: Peptidergic Receptors $\hat{a}$ †. , 2017, , .		0