

# Giovambattista Pani

## List of Publications by Year in descending order

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66  
papers

3,635  
citations

117453

34  
h-index

133063

59  
g-index

66  
all docs

66  
docs citations

66  
times ranked

6407  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species as essential mediators of cell adhesion. <i>Journal of Cell Biology</i> , 2003, 161, 933-944.	2.3	406
2	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. <i>Ageing Research Reviews</i> , 2018, 47, 214-277.	5.0	309
3	Metastasis: cancer cells escape from oxidative stress. <i>Cancer and Metastasis Reviews</i> , 2010, 29, 351-378.	2.7	266
4	A role for neuronal cAMP responsive-element binding (CREB)-1 in brain responses to calorie restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 621-626.	3.3	141
5	Pro-metastatic signaling by c-Met through RAC-1 and reactive oxygen species (ROS). <i>Oncogene</i> , 2006, 25, 3689-3698.	2.6	125
6	Redox Regulation of cAMP-responsive Element-binding Protein and Induction of Manganese Superoxide Dismutase in Nerve Growth Factor-dependent Cell Survival. <i>Journal of Biological Chemistry</i> , 2003, 278, 16510-16519.	1.6	115
7	Fatty acid-related modulations of membrane fluidity in cells: detection and implications. <i>Free Radical Research</i> , 2016, 50, S40-S50.	1.5	112
8	Bilirubin: an endogenous scavenger of nitric oxide and reactive nitrogen species. <i>Redox Report</i> , 2006, 11, 207-213.	1.4	102
9	Mammalian life-span determinant p66 <sup>shcA</sup> mediates obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13420-13425.	3.3	96
10	The p53-p66shcA-Manganese Superoxide Dismutase (MnSOD) network: A mitochondrial intrigue to generate reactive oxygen species. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1002-1005.	1.2	93
11	Bilirubin as an endogenous modulator of neurotrophin redox signaling. <i>Journal of Neuroscience Research</i> , 2008, 86, 2235-2249.	1.3	81
12	Redox-Based Escape Mechanism from Death: The Cancer Lesson. <i>Antioxidants and Redox Signaling</i> , 2009, 11, 2791-2806.	2.5	81
13	Neuroprotective effects of dietary restriction: Evidence and mechanisms. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 106-114.	2.3	79
14	Mitochondrial Superoxide Dismutase: A Promising Target for New Anticancer Therapies. <i>Current Medicinal Chemistry</i> , 2004, 11, 1299-1308.	1.2	76
15	Neural Stem Cells and Nutrients: Poised Between Quiescence and Exhaustion. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 756-769.	3.1	70
16	Role of the life span determinant P66shcA in ethanol-induced liver damage. <i>Laboratory Investigation</i> , 2008, 88, 750-760.	1.7	69
17	Quantitative analysis of autophagic flux by confocal pH-imaging of autophagic intermediates. <i>Autophagy</i> , 2015, 11, 1905-1916.	4.3	68
18	Albumin-Bound Bilirubin Interacts with Nitric Oxide by a Redox Mechanism. <i>Antioxidants and Redox Signaling</i> , 2006, 8, 487-494.	2.5	66

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19	A CREB-Sirt1-Hes1 Circuitry Mediates Neural Stem Cell Response to Glucose Availability. <i>Cell Reports</i> , 2016, 14, 1195-1205.	2.9	66
20	Epigenetic Modulation of Adult Hippocampal Neurogenesis by Extremely Low-Frequency Electromagnetic Fields. <i>Molecular Neurobiology</i> , 2014, 49, 1472-1486.	1.9	64
21	The multikinase inhibitor Sorafenib enhances glycolysis and synergizes with glycolysis blockade for cancer cell killing. <i>Scientific Reports</i> , 2015, 5, 9149.	1.6	63
22	Brain response to calorie restriction. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3157-3170.	2.4	56
23	Sirt1: Defeating senescence?. <i>Cell Cycle</i> , 2012, 11, 4135-4146.	1.3	55
24	Dietary polyphenols and neurogenesis: Molecular interactions and implication for brain ageing and cognition. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 456-470.	2.9	53
25	Cell Compartmentalization in Redox Signaling. <i>IUBMB Life</i> , 2001, 52, 7-16.	1.5	51
26	The human OCTN1 (SLC22A4) reconstituted in liposomes catalyzes acetylcholine transport which is defective in the mutant L503F associated to the Crohn's disease. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 559-565.	1.4	51
27	Role of MnSOD and p66shc in Mitochondrial Response to p53. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 1715-1727.	2.5	50
28	High-Resolution Imaging of Redox Signaling in Live Cells Through an Oxidation-Sensitive Yellow Fluorescent Protein. <i>Science Signaling</i> , 2008, 1, p13.	1.6	48
29	Abrogation of hepatocyte apoptosis and early appearance of liver dysplasia in ethanol-fed p53-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 97-100.	1.0	43
30	The level of manganese superoxide dismutase content is an independent prognostic factor for glioblastoma. Biological mechanisms and clinical implications. <i>British Journal of Cancer</i> , 2001, 84, 529-534.	2.9	42
31	From growing to secreting: New roles for mTOR in aging cells. <i>Cell Cycle</i> , 2011, 10, 2450-2453.	1.3	40
32	P66SHC and Ageing: ROS and TOR?. <i>Aging</i> , 2010, 2, 514-518.	1.4	40
33	Nutrients, neurogenesis and brain ageing: From disease mechanisms to therapeutic opportunities. <i>Biochemical Pharmacology</i> , 2017, 141, 63-76.	2.0	38
34	Stem cells under the influence of alcohol: effects of ethanol consumption on stem/progenitor cells. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 231-244.	2.4	38
35	Gene profiling of bone marrow- and adipose tissue-derived stromal cells: a key role of Kruppel-like factor 4 in cell fate regulation. <i>Cytotherapy</i> , 2011, 13, 329-340.	0.3	34
36	Nutrient withdrawal rescues growth factor-deprived cells from mTOR-dependent damage. <i>Aging</i> , 2010, 2, 487-503.	1.4	33

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37	Flow Cytofluorimetric Analysis of Anti-LRP4 (LDL Receptor-Related Protein 4) Autoantibodies in Italian Patients with Myasthenia Gravis. PLoS ONE, 2015, 10, e0135378.	1.1	30
38	Bilirubin: An Endogenous Molecule with Antiviral Activity in vitro. Frontiers in Pharmacology, 2012, 3, 36.	1.6	28
39	Molecular mechanisms underlying human adipose tissue-derived stromal cells differentiation into a hepatocyte-like phenotype. Digestive and Liver Disease, 2010, 42, 895-901.	0.4	27
40	Punicalagin reduces H <sub>2</sub> O <sub>2</sub> -induced cytotoxicity and apoptosis in PC12 cells by modulating the levels of reactive oxygen species. Nutritional Neuroscience, 2018, 21, 447-454.	1.5	26
41	Investigation of the spatial distribution of glutathione redox-balance in live cells by using Fluorescence Ratio Imaging Microscopy. Biosensors and Bioelectronics, 2009, 25, 682-687.	5.3	25
42	Association of the OCTN1/1672T variant with increased risk for colorectal cancer in young individuals and ulcerative colitis patients. Inflammatory Bowel Diseases, 2012, 18, 439-448.	0.9	25
43	The Influence of Gut Microbiota on Neurogenesis: Evidence and Hopes. Cells, 2022, 11, 382.	1.8	24
44	Promotion of Survival and Engraftment of Transplanted Adipose Tissue-Derived Stromal and Vascular Cells by Overexpression of Manganese Superoxide Dismutase. International Journal of Molecular Sciences, 2016, 17, 1082.	1.8	23
45	Phase separation of the plasma membrane in human red blood cells as a potential tool for diagnosis and progression monitoring of type 1 diabetes mellitus. PLoS ONE, 2017, 12, e0184109.	1.1	23
46	Increased expression of cyclin E is associated with an increased resistance to doxorubicin in rat fibroblasts. British Journal of Cancer, 2003, 88, 1956-1962.	2.9	22
47	Gene expression profiling of Adrenal cortical tumors by cDNA macroarray analysis. Results of a preliminary study. Biomedicine and Pharmacotherapy, 2006, 60, 186-190.	2.5	20
48	p66ShcA. Vitamins and Hormones, 2013, 91, 219-241.	0.7	18
49	Inhibitory effects of a manganese superoxide dismutase isolated from garlic ( <i>Allium sativum</i> L.) on in vitro tumoral cell growth. Biotechnology Progress, 2009, 25, 257-264.	1.3	16
50	Protective role of MnSOD and redox regulation of neuronal cell survival. Biomedicine and Pharmacotherapy, 2005, 59, 197-203.	2.5	14
51	Nutrients and neurogenesis: the emerging role of autophagy and gut microbiota. Current Opinion in Pharmacology, 2020, 50, 46-52.	1.7	14
52	Establishment of cancer cell lines from rat hepatocholangiocarcinoma and assessment of the role of granulocyte-colony stimulating factor and hepatocyte growth factor in their growth, motility and survival. Journal of Hepatology, 2009, 51, 77-92.	1.8	13
53	Label-free metabolic clustering through unsupervised pixel classification of multiparametric fluorescent images. Analytica Chimica Acta, 2021, 1148, 238173.	2.6	13
54	The mTOR kinase inhibitor rapamycin enhances the expression and release of pro-inflammatory cytokine interleukin 6 modulating the activation of human microglial cells. EXCLI Journal, 2019, 18, 779-798.	0.5	12

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55	Compartmentalization of the redox environment in PC-12 neuronal cells. <i>European Biophysics Journal</i> , 2010, 39, 993-999.	1.2	11
56	Post-natal Deletion of Neuronal cAMP Responsive-Element Binding (CREB)-1 Promotes Pro-inflammatory Changes in the Mouse Hippocampus. <i>Neurochemical Research</i> , 2017, 42, 2230-2245.	1.6	9
57	The Leucine Catabolite and Dietary Supplement $\beta$ -Hydroxy- $\beta$ -Methyl Butyrate (HMB) as an Epigenetic Regulator in Muscle Progenitor Cells. <i>Metabolites</i> , 2021, 11, 512.	1.3	7
58	Low reliability of anti-KIR4.183 $\beta$ 120 peptide auto-antibodies in multiple sclerosis patients. <i>Multiple Sclerosis Journal</i> , 2018, 24, 910-918.	1.4	5
59	Smaller, Hungrier Mice. <i>Science</i> , 2006, 311, 1553-1554.	6.0	3
60	Quantitative Assessment of the Relationship Between Cellular Morphodynamics and Signaling Events by Stochastic Analysis of Fluorescent Images. <i>Microscopy and Microanalysis</i> , 2014, 20, 1198-1207.	0.2	3
61	Tumor necrosis factor- $\beta$ and solute carrier family 22 member 4 gene polymorphisms as potential determinants of intestinal dysbiosis. <i>Digestive and Liver Disease</i> , 2020, 52, 691-693.	0.4	2
62	Cell death by sugar: Bittersweet TOR. <i>Cell Cycle</i> , 2011, 10, 13-14.	1.3	1
63	Early Experiences in Using Blood Cells Biomembranes as Markers for Diabetes Diagnosis. , 2016, , .		1
64	Molecular and genetic aspects of ethanol in human diet: a nutrient or a toxicant?. <i>Genes and Nutrition</i> , 2010, 5, 97-99.	1.2	0
65	Monitoring Nutrient Signaling Through the Longevity Protein p66SHC1. <i>Methods in Molecular Biology</i> , 2013, 965, 341-353.	0.4	0
66	Organelle Stress and mTOR in Aging-Associated Inflammation. , 2014, , 165-181.		0