

Francesco Facchiano

List of Publications by Year in descending order

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91
papers

5,607
citations

117625

34
h-index

82547

72
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91
all docs

91
docs citations

91
times ranked

8762
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	9.1	10
2	MicroRNAs 221 and 222 inhibit normal erythropoiesis and erythroleukemic cell growth via kit receptor down-modulation. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18081-18086.	7.1	747
3	CtBP/BARS induces fission of Golgi membranes by acylating lysophosphatidic acid. Nature, 1999, 402, 429-433.	27.8	314
4	Beneficial Role of Phytochemicals on Oxidative Stress and Age-Related Diseases. BioMed Research International, 2019, 2019, 1-16.	1.9	282
5	Inflammatory intrathecal profiles and cortical damage in multiple sclerosis. Annals of Neurology, 2018, 83, 739-755.	5.3	219
6	Acidosis Inhibits Endothelial Cell Apoptosis and Function and Induces Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor Expression. Circulation Research, 2000, 86, 312-318.	4.5	142
7	Clinical Characteristics of Hospitalized Individuals Dying With COVID-19 by Age Group in Italy. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1796-1800.	3.6	138
8	Promotion of regeneration of corticospinal tract axons in rats with recombinant vascular endothelial growth factor alone and combined with adenovirus coding for this factor. Journal of Neurosurgery, 2002, 97, 161-168.	1.6	135
9	Increased cortical lesion load and intrathecal inflammation is associated with oligoclonal bands in multiple sclerosis patients: a combined CSF and MRI study. Journal of Neuroinflammation, 2017, 14, 40.	7.2	82
10	The role of transglutaminase-2 and its substrates in human diseases. Frontiers in Bioscience - Landmark, 2006, 11, 1758.	3.0	80
11	Serum Proteomic Analysis Identifies a Highly Sensitive and Specific Discriminatory Pattern in Stage 1 Breast Cancer. Annals of Surgical Oncology, 2007, 14, 2470-2476.	1.5	78
12	TNF-alpha and metalloproteases as key players in melanoma cells aggressiveness. Journal of Experimental and Clinical Cancer Research, 2018, 37, 326.	8.6	73
13	Resveratrol Counteracts Inflammation in Human M1 and M2 Macrophages upon Challenge with 7-Oxo-Cholesterol: Potential Therapeutic Implications in Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-12.	4.0	72
14	Regulation of Constitutive Exocytic Transport by Membrane Receptors. Journal of Biological Chemistry, 1996, 271, 3523-3533.	3.4	64
15	Homologous Transplantation of Neural Stem Cells to the Injured Spinal Cord of Mice. Neurosurgery, 2005, 57, 1014-1025.	1.1	63
16	Flexibility plot of proteins. Protein Engineering, Design and Selection, 1989, 2, 497-504.	2.1	61
17	Environment, dysbiosis, immunity and sex-specific susceptibility: A translational hypothesis for regressive autism pathogenesis. Nutritional Neuroscience, 2015, 18, 145-161.	3.1	57
18	Chili Pepper Consumption and Mortality in Italian Adults. Journal of the American College of Cardiology, 2019, 74, 3139-3149.	2.8	57

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19	Transglutaminases and their substrates in biology and human diseases: 50 years of growing. <i>Amino Acids</i> , 2009, 36, 599-614.	2.7	55
20	High mobility group box 1 is a novel substrate of dipeptidyl peptidase-IV. <i>Diabetologia</i> , 2012, 55, 236-244.	6.3	51
21	Iron homeostasis, complement, and coagulation cascade as CSF signature of cortical lesions in early multiple sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2150-2163.	3.7	51
22	Advanced glycation end products of human β_2 glycoprotein I modulate the maturation and function of DCs. <i>Blood</i> , 2011, 117, 6152-6161.	1.4	50
23	WIPI1, BAG1, and PEX3 Autophagy-Related Genes Are Relevant Melanoma Markers. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	4.0	50
24	Transglutaminase Activity Is Involved in Polyamine-Induced Programmed Cell Death. <i>Experimental Cell Research</i> , 2001, 271, 118-129.	2.6	47
25	Sugar-Induced Modification of Fibroblast Growth Factor 2 Reduces Its Angiogenic Activity in Vivo. <i>American Journal of Pathology</i> , 2002, 161, 531-541.	3.8	46
26	7-Oxo-cholesterol potentiates pro-inflammatory signaling in human M1 and M2 macrophages. <i>Biochemical Pharmacology</i> , 2013, 86, 130-137.	4.4	43
27	Aloe-emodin exerts a potent anticancer and immunomodulatory activity on BRAF-mutated human melanoma cells. <i>European Journal of Pharmacology</i> , 2015, 762, 283-292.	3.5	43
28	Ectopic <i>TAL-1/SCL</i> Expression in Phenotypically Normal or Leukemic Myeloid Precursors: Proliferative and Antiapoptotic Effects Coupled with a Differentiation Blockade. <i>Molecular and Cellular Biology</i> , 1997, 17, 2954-2969.	2.3	41
29	Identification of a Novel Domain of Fibroblast Growth Factor 2 Controlling Its Angiogenic Properties. <i>Journal of Biological Chemistry</i> , 2003, 278, 8751-8760.	3.4	40
30	Interleukin (IL)-17/IL-36 axis participates to the crosstalk between endothelial cells and keratinocytes during inflammatory skin responses. <i>PLoS ONE</i> , 2020, 15, e0222969.	2.5	40
31	Aloin enhances cisplatin antineoplastic activity in B16-F10 melanoma cells by transglutaminase-induced differentiation. <i>Amino Acids</i> , 2013, 44, 293-300.	2.7	37
32	Homology between rabbit uteroglobin and the rat seminal vesicle sperm-binding protein: Prediction of structural features of glutamine substrates for transglutaminase. <i>The Protein Journal</i> , 1987, 6, 353.	1.1	36
33	Aloe-emodin as antiproliferative and differentiating agent on human U937 monoblastic leukemia cells. <i>Life Sciences</i> , 2011, 89, 812-820.	4.3	36
34	Study on the Association among Mycotoxins and other Variables in Children with Autism. <i>Toxins</i> , 2017, 9, 203.	3.4	36
35	The transglutaminase hypothesis for the action of tetanus toxin. <i>Trends in Biochemical Sciences</i> , 1993, 18, 327-329.	7.5	35
36	Lipid Storage and Autophagy in Melanoma Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1271.	4.1	35

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37	Platelet-Derived Growth Factor-Receptor $\hat{=}$ Strongly Inhibits Melanoma Growth In Vitro and In Vivo. <i>Neoplasia</i> , 2009, 11, 732-737.	5.3	32
38	Selective Immunomodulation of Inflammatory Pathways in Keratinocytes by the Janus Kinase (JAK) Inhibitor Tofacitinib: Implications for the Employment of JAK-Targeting Drugs in Psoriasis. <i>Journal of Immunology Research</i> , 2018, 2018, 1-18.	2.2	32
39	Resveratrol Prevents Dendritic Cell Maturation in Response to Advanced Glycation End Products. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-12.	4.0	31
40	Nicotinamide inhibits melanoma in vitro and in vivo. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 211.	8.6	30
41	Circulating Vitamin D levels status and clinical prognostic indices in COVID-19 patients. <i>Respiratory Research</i> , 2021, 22, 76.	3.6	30
42	Active Sequences Collection (ASC) database: a new tool to assign functions to protein sequences. <i>Nucleic Acids Research</i> , 2003, 31, 379-382.	14.5	28
43	Monosodium Urate Contributes to Retinal Inflammation and Progression of Diabetic Retinopathy. <i>Diabetes</i> , 2019, 68, 1014-1025.	0.6	28
44	Reduction by coffee consumption of prostate cancer risk: Evidence from the Molière cohort and cellular models. <i>International Journal of Cancer</i> , 2017, 141, 72-82.	5.1	27
45	A quick, simple method for detecting circulating fluorescent advanced glycation end-products: Correlation with in vitro and in vivo non-enzymatic glycation. <i>Metabolism: Clinical and Experimental</i> , 2017, 71, 64-69.	3.4	25
46	Sex differences in clinical phenotype and transitions of care among individuals dying of COVID-19 in Italy. <i>Biology of Sex Differences</i> , 2020, 11, 57.	4.1	25
47	PDGFR-alpha inhibits melanoma growth via CXCL10/IP-10: a multi-omics approach. <i>Oncotarget</i> , 2016, 7, 77257-77275.	1.8	22
48	Theophylline administration markedly reduces hepatic and pulmonary implantation of B16-F10 melanoma cells in mice. <i>Melanoma Research</i> , 2000, 10, 435-443.	1.2	21
49	Ion Channel Expression in Human Melanoma Samples: In Silico Identification and Experimental Validation of Molecular Targets. <i>Cancers</i> , 2019, 11, 446.	3.7	21
50	A novel RGDS-analog inhibits angiogenesis in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 809-814.	2.1	20
51	Glycated Fibroblast Growth Factor-2 Is Quickly Produced in Vitro upon Low-Millimolar Glucose Treatment and Detected in Vivo in Diabetic Mice. <i>Molecular Endocrinology</i> , 2006, 20, 2806-2818.	3.7	19
52	Nonrespiratory Complications and Obesity in Patients Dying with COVID-19 in Italy. <i>Obesity</i> , 2021, 29, 20-23.	3.0	19
53	Transglutaminases: future perspectives. <i>Amino Acids</i> , 2013, 44, 1-9.	2.7	17
54	Tissue transglutaminase activity protects from cutaneous melanoma metastatic dissemination: an in vivo study. <i>Amino Acids</i> , 2013, 44, 53-61.	2.7	16

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55	Differential Denaturation of Serum Proteome Reveals a Significant Amount of Hidden Information in Complex Mixtures of Proteins. PLoS ONE, 2013, 8, e57104.	2.5	16
56	Fas-induced changes in cdc2 and cdk2 kinase activity are not sufficient for triggering apoptosis in HUT-78 cells. Journal of Cellular Biochemistry, 1997, 64, 579-585.	2.6	15
57	Analysis of urinary human growth hormone (hGH) using hydrogel nanoparticles and isoform differential immunoassays after short recombinant hGH treatment: Preliminary results. Journal of Pharmaceutical and Biomedical Analysis, 2013, 85, 194-197.	2.8	14
58	Theophylline induces differentiation and modulates cytoskeleton dynamics and cytokines secretion in human melanoma-initiating cells. Life Sciences, 2019, 230, 121-131.	4.3	14
59	Shotgun proteomics coupled to nanoparticle-based biomarker enrichment reveals a novel panel of extracellular matrix proteins as candidate serum protein biomarkers for early-stage breast cancer detection. Breast Cancer Research, 2020, 22, 135.	5.0	14
60	Transglutaminase participates in the blockade of neurotransmitter release by tetanus toxin: evidence for a novel biological function. Amino Acids, 2010, 39, 257-269.	2.7	13
61	Changes in Cerebrospinal Fluid Balance of TNF and TNF Receptors in Na ⁺ ve Multiple Sclerosis Patients: Early Involvement in Compartmentalised Intrathecal Inflammation. Cells, 2021, 10, 1712.	4.1	13
62	Investigating Serum and Tissue Expression Identified a Cytokine/Chemokine Signature as a Highly Effective Melanoma Marker. Cancers, 2020, 12, 3680.	3.7	12
63	Natural Compounds against Cancer, Inflammation, and Oxidative Stress. BioMed Research International, 2019, 2019, 1-2.	1.9	11
64	Comorbidity status of deceased COVID-19 in-patients in Italy. Aging Clinical and Experimental Research, 2021, 33, 2361-2365.	2.9	11
65	Effect of temperature on the propylamine transferase from Sulfolobus solfataricus, an extreme thermophilic archaeobacterium.. I. Conformational behavior of the oligomeric enzyme in solution. FEBS Journal, 1992, 204, 473-482.	0.2	10
66	Transglutaminases and Their Substrates. , 2005, 38, 37-57.		10
67	Antibodies to age- ¹²⁵ I-glycoprotein I in patients with anti-phospholipid antibody syndrome. Clinical and Experimental Immunology, 2016, 184, 174-182.	2.6	10
68	An investigation into the molecular basis of cancer comorbidities in coronavirus infection. FEBS Open Bio, 2020, 10, 2363-2374.	2.3	10
69	Reply to Jakovac: About COVID-19 and vitamin D. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E838-E838.	3.5	10
70	Melanoma Cell Resistance to Vemurafenib Modifies Inter-Cellular Communication Signals. Biomedicines, 2021, 9, 79.	3.2	10
71	COVID-19 mortality among migrants living in Italy. Annali Dell'Istituto Superiore Di Sanita, 2020, 56, 373-377.	0.4	10
72	<scp>BAMM</scp>: a preliminary Bibliometric Analysis on Melanoma Manuscripts. Pigment Cell and Melanoma Research, 2013, 26, 415-417.	3.3	9

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73	Identification of Serum Regression Signs in Infantile Hemangioma. PLoS ONE, 2014, 9, e88545.	2.5	9
74	Molecular mechanisms of cardioprotective effects mediated by transplanted cardiac ckit+ cells through the activation of an inflammatory hypoxia-dependent reparative response. Oncotarget, 2018, 9, 937-957.	1.8	9
75	Effect of temperature on the propylamine transferase from Sulfolobus solfataricus, an extreme thermophilic archaebacterium. 2. Denaturation and structural stability. FEBS Journal, 1992, 204, 483-490.	0.2	8
76	Tetanus toxin inhibits depolarization-induced [3H]serotonin release from rat brain cortex synaptosomes. Neuroscience Letters, 1993, 151, 205-208.	2.1	8
77	Eosin treatment for psoriasis reduces skin leukocyte infiltration and secretion of inflammatory chemokines and angiogenic factors. European Journal of Dermatology, 2018, 28, 457-466.	0.6	8
78	Transglutaminase type 2 affects cell migration through post-translational modification of platelet-derived growth factor-BB. Amino Acids, 2017, 49, 473-481.	2.7	7
79	Evidence That Transglutaminase and Synapsin I Are Involved in the Neuroparalytic Action of Tetanus Toxin. Annals of the New York Academy of Sciences, 1994, 710, 107-119.	3.8	6
80	Melanogenesis and autophagy in melanoma. Melanoma Research, 2020, 30, 530-531.	1.2	6
81	Targeting Melanoma-Initiating Cells by Caffeine: In Silico and In Vitro Approaches. Molecules, 2021, 26, 3619.	3.8	6
82	Divergent evolution may link human immunodeficiency virus GP41 to human CD4. Journal of Molecular Evolution, 1993, 36, 448-457.	1.8	5
83	Mass spectrometry-based characterization of the vitreous phosphoproteome. Proteomics - Clinical Applications, 2010, 4, 839-846.	1.6	5
84	Effect of Galactose on Î±-Crystallin. Ophthalmic Research, 1996, 28, 97-100.	1.9	3
85	Abstract 025: Mediterranean Diet Trajectories And Changes In Cardiovascular Risk Factors And Inflammation Markers Over A 12.7 Years Follow-up: Prospective Findings From The Moli-sani Study Cohort. Circulation, 2021, 143, .	1.6	3
86	FAST (Flexible Analysis by Software Tool) and CHAMP (CHEmico-physical AMinoacidic Parameter data) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.1	2
87	New graphic representation of structural parameters of proteins. Bioinformatics, 1988, 4, 303-305.	4.1	1
88	Converter: a program to convert crystallographic coordinates among different molecular graphics standards on PC-IBM platforms. Bioinformatics, 1991, 7, 395-396.	4.1	0
89	Response from Facchiano, Innamorati and Luini. Trends in Microbiology, 1994, 2, 70-71.	7.7	0
90	Short-Term Sugar Exposure Significantly Modifies FGF-2 Structure and Angiogenic Functions: Pathophysiological Implications. Annals of the New York Academy of Sciences, 2005, 1043, 912-912.	3.8	0

#	ARTICLE	IF	CITATIONS
91	The role of chemical elements in melanoma. European Journal of Molecular and Clinical Medicine, 2017, 2, 73.	0.1	0