Elisa Giannoni

List of Publications by Citations

78 papers	8,195 citations	40 h-index	80 g-index
80 ext. papers	9,139 ext. citations	6.7 avg, IF	5.86 L-index

#	Paper	IF	Citations
78	Inherent toxicity of aggregates implies a common mechanism for protein misfolding diseases. *Nature*, **2002**, 416, 507-11	50.4	2119
77	Anoikis molecular pathways and its role in cancer progression. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 3481-3498	4.9	600
76	Reciprocal activation of prostate cancer cells and cancer-associated fibroblasts stimulates epithelial-mesenchymal transition and cancer stemness. *Cancer Research*, **2010**, 70, 6945-56	10.1	405
75	Anoikis: a necessary death program for anchorage-dependent cells. *Biochemical Pharmacology*, **2008**, 76, 1352-64	6	375
74	Intracellular reactive oxygen species activate Src tyrosine kinase during cell adhesion and anchorage-dependent cell growth. *Molecular and Cellular Biology*, **2005**, 25, 6391-403	4.8	363
73	Reciprocal metabolic reprogramming through lactate shuttle coordinately influences tumor-stroma interplay. *Cancer Research*, **2012**, 72, 5130-40	10.1	359
72	Reactive oxygen species as essential mediators of cell adhesion: the oxidative inhibition of a FAK tyrosine phosphatase is required for cell adhesion. *Journal of Cell Biology*, **2003**, 161, 933-44	7.3	358
71	Short amino acid stretches can mediate amyloid formation in globular proteins: the Src homology 3 (SH3) case. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 7258-63	11.5	214
70	Microenvironment and tumor cell plasticity: an easy way out. *Cancer Letters*, **2013**, 341, 80-96	9.9	183
69	Cancer associated fibroblasts exploit reactive oxygen species through a proinflammatory signature leading to epithelial mesenchymal transition and stemness. *Antioxidants and Redox Signaling*, **2011**, 14, 2361-71	8.4	167
68	Two vicinal cysteines confer a peculiar redox regulation to low molecular weight protein tyrosine phosphatase in response to platelet-derived growth factor receptor stimulation. *Journal of Biological Chemistry*, **2001**, 276, 33478-87	5.4	151
67	EMT and oxidative stress: a bidirectional interplay affecting tumor malignancy. *Antioxidants and Redox Signaling*, **2012**, 16, 1248-63	8.4	148
66	Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells. *Cell Cycle*, **2013**, 12, 1791-801	4.7	119
65	Lactate: A Metabolic Driver in the Tumour Landscape. *Trends in Biochemical Sciences*, **2019**, 44, 153-166	10.3	111
64	Increased Lactate Secretion by Cancer Cells Sustains Non-cell-autonomous Adaptive Resistance to MET and EGFR Targeted Therapies. *Cell Metabolism*, **2018**, 28, 848-865.e6	24.6	107
63	HIF-1α stabilization by mitochondrial ROS promotes Met-dependent invasive growth and vasculogenic mimicry in melanoma cells. *Free Radical Biology and Medicine*, **2011**, 51, 893-904	7.8	105
62	Src redox regulation: again in the front line. *Free Radical Biology and Medicine*, **2010**, 49, 516-27	7.8	93

61	Cancer-associated fibroblasts promote prostate cancer malignancy via metabolic rewiring and mitochondrial transfer. *Oncogene*, **2019**, 38, 5339-5355	9.2	92
60	LMW-PTP is a positive regulator of tumor onset and growth. *Oncogene*, **2004**, 23, 3905-14	9.2	89
59	Kinase-dependent and -independent roles of EphA2 in the regulation of prostate cancer invasion and metastasis. *American Journal of Pathology*, **2009**, 174, 1492-503	5.8	88
58	Senescent stroma promotes prostate cancer progression: the role of miR-210. *Molecular Oncology*, **2014**, 8, 1729-46	7.9	83
57	Targeting the Metabolic Reprogramming That Controls Epithelial-to-Mesenchymal Transition in Aggressive Tumors. *Frontiers in Oncology*, **2017**, 7, 40	5.3	76
56	EphrinA1 activates a Src/focal adhesion kinase-mediated motility response leading to rho-dependent actino/myosin contractility. *Journal of Biological Chemistry*, **2007**, 282, 19619-28	5.4	73
55	Targeting stromal-induced pyruvate kinase M2 nuclear translocation impairs oxphos and prostate cancer metastatic spread. *Oncotarget*, **2015**, 6, 24061-74	3.3	73
54	Redox-based escape mechanism from death: the cancer lesson. *Antioxidants and Redox Signaling*, **2009**, 11, 2791-806	8.4	72
53	5-fluorouracil resistant colon cancer cells are addicted to OXPHOS to survive and enhance stem-like traits. *Oncotarget*, **2015**, 6, 41706-21	3.3	71
52	The low M(r) protein-tyrosine phosphatase is involved in Rho-mediated cytoskeleton rearrangement after integrin and platelet-derived growth factor stimulation. *Journal of Biological Chemistry*, **2000**, 275, 4640-6	5.4	70
51	Time-dependent stabilization of hypoxia inducible factor-1 by different intracellular sources of reactive oxygen species. *PLoS ONE*, **2012**, 7, e38388	3.7	68
50	Metabolic shift toward oxidative phosphorylation in docetaxel resistant prostate cancer cells. *Oncotarget*, **2016**, 7, 61890-61904	3.3	68
49	EphrinA1 repulsive response is regulated by an EphA2 tyrosine phosphatase. *Journal of Biological Chemistry*, **2005**, 280, 34008-18	5.4	62
48	miR-155 Drives Metabolic Reprogramming of ER+ Breast Cancer Cells Following Long-Term Estrogen Deprivation and Predicts Clinical Response to Aromatase Inhibitors. *Cancer Research*, **2016**, 76, 1615-26	10.1	59
47	Mesenchymal to amoeboid transition is associated with stem-like features of melanoma cells. *Cell Communication and Signaling*, **2014**, 12, 24	7.5	58
46	Norepinephrine promotes tumor microenvironment reactivity through β-adrenoreceptors during melanoma progression. *Oncotarget*, **2015**, 6, 4615-32	3.3	58
45	EphA2 induces metastatic growth regulating amoeboid motility and clonogenic potential in prostate carcinoma cells. *Molecular Cancer Research*, **2011**, 9, 149-60	6.6	55
44	miR-205 hinders the malignant interplay between prostate cancer cells and associated fibroblasts. *Antioxidants and Redox Signaling*, **2014**, 20, 1045-59	8.4	53

43	Integrated gene and miRNA expression analysis of prostate cancer associated fibroblasts supports a prominent role for interleukin-6 in fibroblast activation. *Oncotarget*, **2015**, 6, 31441-60	3.3	51
42	Redox regulation of platelet-derived-growth-factor-receptor: role of NADPH-oxidase and c-Src tyrosine kinase. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2005**, 1745, 166-75	4.9	48
41	Redox circuitries driving Src regulation. *Antioxidants and Redox Signaling*, **2014**, 20, 2011-25	8.4	47
40	Zoledronic acid impairs stromal reactivity by inhibiting M2-macrophages polarization and prostate cancer-associated fibroblasts. *Oncotarget*, **2017**, 8, 118-132	3.3	43
39	Mitochondrial Oxidative Stress due to Complex I Dysfunction Promotes Fibroblast Activation and Melanoma Cell Invasiveness. *Journal of Signal Transduction*, **2012**, 2012, 684592		42
38	Stromal fibroblasts synergize with hypoxic oxidative stress to enhance melanoma aggressiveness. *Cancer Letters*, **2012**, 324, 31-41	9.9	40
37	Chronic resveratrol treatment ameliorates cell adhesion and mitigates the inflammatory phenotype in senescent human fibroblasts. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 371-81	6.4	39
36	Systemic sclerosis endothelial cells recruit and activate dermal fibroblasts by induction of a connective tissue growth factor (CCN2)/transforming growth factor □dependent mesenchymal-to-mesenchymal transition. *Arthritis and Rheumatism*, **2013**, 65, 258-69		38
35	EphA2-mediated mesenchymal-amoeboid transition induced by endothelial progenitor cells enhances metastatic spread due to cancer-associated fibroblasts. *Journal of Molecular Medicine*, **2013**, 91, 103-15	5.5	34
34	Insight into the role of low molecular weight phosphotyrosine phosphatase (LMW-PTP) on platelet-derived growth factor receptor (PDGF-r) signaling. LMW-PTP controls PDGF-r kinase activity through TYR-857 dephosphorylation. *Journal of Biological Chemistry*, **2002**, 277, 37331-8	5.4	34
33	Metformin is also effective on lactic acidosis-exposed melanoma cells switched to oxidative phosphorylation. *Cell Cycle*, **2016**, 15, 1908-18	4.7	33
32	New perspectives in PDGF receptor downregulation: the main role of phosphotyrosine phosphatases. *Journal of Cell Science*, **2002**, 115, 2219-2232	5.3	33
31	Low molecular weight protein-tyrosine phosphatase is involved in growth inhibition during cell differentiation. *Journal of Biological Chemistry*, **2001**, 276, 49156-63	5.4	32
30	Nutrient Exploitation within the Tumor-Stroma Metabolic Crosstalk. *Trends in Cancer*, **2016**, 2, 736-746	12.5	30
29	Lymphocyte function-associated antigen-1-mediated T cell adhesion is impaired by low molecular weight phosphotyrosine phosphatase-dependent inhibition of FAK activity. *Journal of Biological Chemistry*, **2003**, 278, 36763-76	5.4	28
28	New perspectives in PDGF receptor downregulation: the main role of phosphotyrosine phosphatases. *Journal of Cell Science*, **2002**, 115, 2219-32	5.3	28
27	Development of enzymatic activity during protein folding. Detection of a spectroscopically silent native-like intermediate of muscle acylphosphatase. *Journal of Biological Chemistry*, **1999**, 274, 20151-8	5.4	25
26	Globular adiponectin as a complete mesoangioblast regulator: role in proliferation, survival, motility, and skeletal muscle differentiation. *Molecular Biology of the Cell*, **2010**, 21, 848-59	3.5	24

25	Globular adiponectin activates motility and regenerative traits of muscle satellite cells. *PLoS ONE*, **2012**, 7, e34782	3.7	24
24	Mitochondrial Redox Hubs as Promising Targets for Anticancer Therapy. *Frontiers in Oncology*, **2020**, 10, 256	5.3	21
23	22□□6n-3 DHA inhibits differentiation of prostate fibroblasts into myofibroblasts and tumorigenesis. *British Journal of Nutrition*, **2012**, 108, 2129-37	3.6	20
22	Redox Regulation of Ephrin/Integrin Cross-Talk. *Cell Adhesion and Migration*, **2007**, 1, 33-42	3.2	19
21	Role of microenvironment on neuroblastoma SK-N-AS SDHB-silenced cell metabolism and function. *Endocrine-Related Cancer*, **2015**, 22, 409-17	5.7	18
20	Succinate dehydrogenase subunit B mutations modify human neuroblastoma cell metabolism and proliferation. *Hormones and Cancer*, **2014**, 5, 174-84	5	17
19	Anchorage-dependent cell growth: tyrosine kinases and phosphatases meet redox regulation. *Antioxidants and Redox Signaling*, **2005**, 7, 578-92	8.4	17
18	A novel redox-based switch: LMW-PTP oxidation enhances Grb2 binding and leads to ERK activation. *Biochemical and Biophysical Research Communications*, **2006**, 348, 367-73	3.4	17
17	Sphingosine 1-phosphate stimulation of NADPH oxidase activity: relationship with platelet-derived growth factor receptor and c-Src kinase. *Biochimica Et Biophysica Acta - General Subjects*, **2007**, 1770, 872-83	4	16
16	Stromal-induced downregulation of miR-1247 promotes prostate cancer malignancy. *Journal of Cellular Physiology*, **2019**, 234, 8274-8285	7	16
15	Etoposide-Bevacizumab a new strategy against human melanoma cells expressing stem-like traits. *Oncotarget*, **2016**, 7, 51138-51149	3.3	14
14	Redox Regulation of Ephrin/Integrin Cross-Talk		12
13	Treatment with Cannabinoids as a Promising Approach for Impairing Fibroblast Activation and Prostate Cancer Progression. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
12	Hydrogen peroxide triggers the formation of a disulfide dimer of muscle acylphosphatase and modifies some functional properties of the enzyme. *Journal of Biological Chemistry*, **2001**, 276, 41862-9	5.4	10
11	Acylphosphatase possesses nucleoside triphosphatase and nucleoside diphosphatase activities. *Biochemical Journal*, **2000**, 349, 43-49	3.8	10
10	Redox regulation of ephrin/integrin cross-talk. *Cell Adhesion and Migration*, **2007**, 1, 33-42	3.2	9
9	Acylphosphatase possesses nucleoside triphosphatase and nucleoside diphosphatase activities. *Biochemical Journal*, **2000**, 349, 43-9	3.8	7
8	Involvement of the tyrosine phosphorylation on GSH transport in NIH3T3 fibroblasts. *IUBMB Life*, **2003**, 55, 159-65	4.7	4

7	A nucleophilic catalysis step is involved in the hydrolysis of aryl phosphate monoesters by human CT acylphosphatase. *Journal of Biological Chemistry*, **2003**, 278, 194-9	5.4	4
6	Lactate rewires lipid metabolism and sustains a metabolic-epigenetic axis in prostate cancer.. *Cancer Research*, **2022**,	10.1	4
5	Zoledronic Acid Inhibits the RhoA-mediated Amoeboid Motility of Prostate Cancer Cells. *Current Cancer Drug Targets*, **2019**, 19, 807-816	2.8	4
4	Stromal-induced mitochondrial re-education: Impact on epithelial-to-mesenchymal transition and cancer aggressiveness. *Seminars in Cell and Developmental Biology*, **2020**, 98, 71-79	7.5	4
3	Endocannabinoid System and Tumour Microenvironment: New Intertwined Connections for Anticancer Approaches.. *Cells*, **2021**, 10,	7.9	2
2	Cancer-Associated Fibroblasts Promote Prostate Cancer Malignancy via Metabolic Rewiring and Mitochondrial Transfer		1
1	Principles of Redox Signaling. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015**, 3-40		