Paola Chiarugi

List of Publications by Year
in descending order

156 papers	13,543 citations	19657 61 h-index	23533 111 g-index
159 all docs	159 docs citations	159 times ranked	19821 citing authors

#	Article	IF	Citations
1	Anoikis molecular pathways and its role in cancer progression. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3481-3498.	4.1	840
2	Rac and Rho GTPases in cancer cell motility control. Cell Communication and Signaling, 2010, 8, 23.	6.5	493
3	Reciprocal Activation of Prostate Cancer Cells and Cancer-Associated Fibroblasts Stimulates Epithelial-Mesenchymal Transition and Cancer Stemness. Cancer Research, 2010, 70, 6945-6956.	0.9	493
4	Cancer-associated-fibroblasts and tumour cells: a diabolic liaison driving cancer progression. Cancer and Metastasis Reviews, 2012, 31, 195-208.	5.9	448
5	Reciprocal Metabolic Reprogramming through Lactate Shuttle Coordinately Influences Tumor-Stroma Interplay. Cancer Research, 2012, 72, 5130-5140.	0.9	438
6	Anoikis: A necessary death program for anchorage-dependent cells. Biochemical Pharmacology, 2008, 76, 1352-1364.	4.4	435
7	Reactive oxygen species as essential mediators of cell adhesion. Journal of Cell Biology, 2003, 161, 933-944.	5.2	406
8	Intracellular Reactive Oxygen Species Activate Src Tyrosine Kinase during Cell Adhesion and Anchorage-Dependent Cell Growth. Molecular and Cellular Biology, 2005, 25, 6391-6403.	2.3	405
9	Redox regulation of protein tyrosine phosphatases during receptor tyrosine kinase signal transduction. Trends in Biochemical Sciences, 2003, 28, 509-514.	7.5	311
10	Cancer associated fibroblasts: the dark side of the coin. American Journal of Cancer Research, 2011, 1, 482-97.	1.4	269
11	Metastasis: cancer cellâ€™s escape from oxidative stress. Cancer and Metastasis Reviews, 2010, 29, 351-378.	5.9	266
12	Lactate: A Metabolic Driver in the Tumour Landscape. Trends in Biochemical Sciences, 2019, 44, 153-166.	7.5	263
13	Oxidative Stress, Tumor Microenvironment, and Metabolic Reprogramming: A Diabolic Liaison. International Journal of Cell Biology, 2012, 2012, 1-8.	2.5	258
14	Microenvironment and tumor cell plasticity: An easy way out. Cancer Letters, 2013, 341, 80-96.	7.2	214
15	Dual Role of Mitochondrial Reactive Oxygen Species in Hypoxia Signaling: Activation of Nuclear Factor-Î°B via c-SRCâ€" and Oxidant-Dependent Cell Death. Cancer Research, 2007, 67, 7368-7377.	0.9	204
16	Cancer Associated Fibroblasts Exploit Reactive Oxygen Species Through a Proinflammatory Signature Leading to Epithelial Mesenchymal Transition and Stemness. Antioxidants and Redox Signaling, 2011, 14, 2361-2371.	5.4	186
17	EMT and Oxidative Stress: A Bidirectional Interplay Affecting Tumor Malignancy. Antioxidants and Redox Signaling, 2012, 16, 1248-1263.	5.4	185
18	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.	16.2	184

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19	Mesenchymal Stem Cells are Recruited and Activated into Carcinoma-Associated Fibroblasts by Prostate Cancer Microenvironment-Derived TGF-Î²1. Stem Cells, 2016, 34, 2536-2547.	3.2	169
20	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, 33478-33487.	3.4	166
21	Cancer-associated fibroblasts promote prostate cancer malignancy via metabolic rewiring and mitochondrial transfer. Oncogene, 2019, 38, 5339-5355.	5.9	163
22	Protein Tyrosine Phosphorylation and Reversible Oxidation: Two Cross-Talking Posttranslation Modifications. Antioxidants and Redox Signaling, 2007, 9, 1-24.	5.4	161
23	Redox Regulation of Î²-Actin during Integrin-mediated Cell Adhesion. Journal of Biological Chemistry, 2006, 281, 22983-22991.	3.4	151
24	HIF-1Î± stabilization by mitochondrial ROS promotes Met-dependent invasive growth and vasculogenic mimicry in melanoma cells. Free Radical Biology and Medicine, 2011, 51, 893-904.	2.9	146
25	ReviewPTPs versus PTKs: The redox side of the coin. Free Radical Research, 2005, 39, 353-364.	3.3	142
26	Tumor microenvironment: Bone marrow-mesenchymal stem cells as key players. Biochimica Et Biophysica Acta: Reviews on Cancer, 2013, 1836, 321-335.	7.4	141
27	Compartmentalized activities of the pyruvate dehydrogenase complex sustain lipogenesis in prostate cancer. Nature Genetics, 2018, 50, 219-228.	21.4	139
28	Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells. Cell Cycle, 2013, 12, 1791-1801.	2.6	136
29	Redox signalling in anchorage-dependent cell growth. Cellular Signalling, 2007, 19, 672-682.	3.6	121
30	EphA2 Reexpression Prompts Invasion of Melanoma Cells Shifting from Mesenchymal to Amoeboid-like Motility Style. Cancer Research, 2009, 69, 2072-2081.	0.9	120
31	MYC Mediates Large Oncosome-Induced Fibroblast Reprogramming in Prostate Cancer. Cancer Research, 2017, 77, 2306-2317.	0.9	119
32	LMW-PTP Is a Negative Regulator of Insulin-Mediated Mitotic and Metabolic Signalling. Biochemical and Biophysical Research Communications, 1997, 238, 676-682.	2.1	106
33	Î²-adrenoceptors are upregulated in human melanoma and their activation releases pro-tumorigenic cytokines and metalloproteases in melanoma cell lines. Laboratory Investigation, 2013, 93, 279-290.	3.7	104
34	Metabolic shift toward oxidative phosphorylation in docetaxel resistant prostate cancer cells. Oncotarget, 2016, 7, 61890-61904.	1.8	103
35	5-Fluorouracil resistant colon cancer cells are addicted to OXPHOS to survive and enhance stem-like traits. Oncotarget, 2015, 6, 41706-41721.	1.8	103
36	Senescent stroma promotes prostate cancer progression: The role of miRâ€210. Molecular Oncology, 2014, 8, 1729-1746.	4.6	102

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37	Src redox regulation: Again in the front line. Free Radical Biology and Medicine, 2010, 49, 516-527.	2.9	101
38	Targeting the Metabolic Reprogramming That Controls Epithelial-to-Mesenchymal Transition in Aggressive Tumors. Frontiers in Oncology, 2017, 7, 40.	2.8	101
39	LMW-PTP is a positive regulator of tumor onset and growth. Oncogene, 2004, 23, 3905-3914.	5.9	98
40	Kinase-Dependent and -Independent Roles of EphA2 in the Regulation of Prostate Cancer Invasion and Metastasis. American Journal of Pathology, 2009, 174, 1492-1503.	3.8	96
41	The role of Cys12, Cys17 and Arg18 in the catalytic mechanism of low-Mr cytosolic phosphotyrosine protein phosphatase. FEBS Journal, 1993, 214, 647-657.	0.2	94
42	PDGF receptor as a specific in vivo target for lowMrphosphotyrosine protein phosphatase. FEBS Letters, 1995, 372, 49-53.	2.8	94
43	Integrin-Mediated Cell Adhesion and Spreading Engage Different Sources of Reactive Oxygen Species. Antioxidants and Redox Signaling, 2007, 9, 469-481.	5.4	93
44	Tumor-stroma metabolic relationship based on lactate shuttle can sustain prostate cancer progression. BMC Cancer, 2014, 14, 154.	2.6	92
45	Metabolic exchanges within tumor microenvironment. Cancer Letters, 2016, 380, 272-280.	7.2	87
46	Targeting stromal-induced pyruvate kinase M2 nuclear translocation impairs OXPHOS and prostate cancer metastatic spread. Oncotarget, 2015, 6, 24061-24074.	1.8	84
47	Metabolic reprogramming identifies the most aggressive lesions at early phases of hepatic carcinogenesis. Oncotarget, 2016, 7, 32375-32393.	1.8	83
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, 1615-1626.	0.9	82
49	Norepinephrine promotes tumor microenvironment reactivity through Î²3-adrenoreceptors during melanoma progression. Oncotarget, 2015, 6, 4615-4632.	1.8	82
50	Redox-Based Escape Mechanism from Death: The Cancer Lesson. Antioxidants and Redox Signaling, 2009, 11, 2791-2806.	5.4	81
51	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, 4640-4646.	3.4	80
52	EphrinA1 Activates a Src/Focal Adhesion Kinase-mediated Motility Response Leading to Rho-dependent Actino/Myosin Contractility. Journal of Biological Chemistry, 2007, 282, 19619-19628.	3.4	78
53	Time-Dependent Stabilization of Hypoxia Inducible Factor-1Î± by Different Intracellular Sources of Reactive Oxygen Species. PLoS ONE, 2012, 7, e38388.	2.5	77
54	Mesenchymal to amoeboid transition is associated with stem-like features of melanoma cells. Cell Communication and Signaling, 2014, 12, 24.	6.5	77

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55	Sphingosine 1-phosphate increases glucose uptake through trans-activation of insulin receptor. Cellular and Molecular Life Sciences, 2009, 66, 3207-3218.	5.4	76
56	Inhibitory Effect of Full-Length Human Endostatin on in Vitro Angiogenesis. Biochemical and Biophysical Research Communications, 1999, 263, 340-345.	2.1	75
57	The Src and Signal Transducers and Activators of Transcription Pathways As Specific Targets for Low Molecular Weight Phosphotyrosine-protein Phosphatase in Platelet-derived Growth Factor Signaling. Journal of Biological Chemistry, 1998, 273, 6776-6785.	3.4	72
58	Inflammatory response in human skeletal muscle cells: CXCL10 as a potential therapeutic target. European Journal of Cell Biology, 2012, 91, 139-149.	3.6	71
59	Reprogramming of Amino Acid Transporters to Support Aspartate and Glutamate Dependency Sustains Endocrine Resistance in Breast Cancer. Cell Reports, 2019, 28, 104-118.e8.	6.4	67
60	EphrinA1 Repulsive Response Is Regulated by an EphA2 Tyrosine Phosphatase. Journal of Biological Chemistry, 2005, 280, 34008-34018.	3.4	65
61	Beta-catenin interacts with low-molecular-weight protein tyrosine phosphatase leading to cadherin-mediated cell-cell adhesion increase. Cancer Research, 2002, 62, 6489-99.	0.9	65
62	The lowMrphosphotyrosine protein phosphatase behaves differently when phosphorylated at Tyr131or Tyr132by Src kinase. FEBS Letters, 1999, 456, 73-78.	2.8	63
63	EphA2 Induces Metastatic Growth Regulating Amoeboid Motility and Clonogenic Potential in Prostate Carcinoma Cells. Molecular Cancer Research, 2011, 9, 149-160.	3.4	63
64	miR-205 Hinders the Malignant Interplay Between Prostate Cancer Cells and Associated Fibroblasts. Antioxidants and Redox Signaling, 2014, 20, 1045-1059.	5.4	63
65	Mitochondrial oxidative metabolism contributes to a cancer stem cell phenotype in cholangiocarcinoma. Journal of Hepatology, 2021, 74, 1373-1385.	3.7	60
66	c-Src Activates both STAT1 and STAT3 in PDGF-Stimulated NIH3T3 Cells. Biochemical and Biophysical Research Communications, 1997, 239, 493-497.	2.1	58
67	From anchorage dependent proliferation to survival: Lessons from redox signalling. IUBMB Life, 2008, 60, 301-307.	3.4	58
68	Tumor Microenvironment and Metabolism in Prostate Cancer. Seminars in Oncology, 2014, 41, 267-280.	2.2	58
69	Bone marrowâ€derived mesenchymal stem cells promote invasiveness and transendothelial migration of osteosarcoma cells via a mesenchymal to amoeboid transition. Molecular Oncology, 2018, 12, 659-676.	4.6	57
70	Angiopoietin-like 7, a novel pro-angiogenetic factor over-expressed in cancer. Angiogenesis, 2014, 17, 881-896.	7.2	55
71	Integrated gene and miRNA expression analysis of prostate cancer associated fibroblasts supports a prominent role for interleukin-6 in fibroblast activation. Oncotarget, 2015, 6, 31441-31460.	1.8	55
72	Globular adiponectin induces differentiation and fusion of skeletal muscle cells. Cell Research, 2009, 19, 584-597.	12.0	53

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73	Redox Circuitries Driving Src Regulation. Antioxidants and Redox Signaling, 2014, 20, 2011-2025.	5.4	52
74	Zoledronic acid impairs stromal reactivity by inhibiting M2-macrophages polarization and prostate cancer-associated fibroblasts. Oncotarget, 2017, 8, 118-132.	1.8	52
75	Lactate Rewires Lipid Metabolism and Sustains a Metabolicâ€“Epigenetic Axis in Prostate Cancer. Cancer Research, 2022, 82, 1267-1282.	0.9	52
76	Î²₃â€Adrenoceptor as a potential immunoâ€suppressor agent in melanoma. British Journal of Pharmacology, 2019, 176, 2509-2524.	5.4	49
77	The Molecular Basis of the Differing Kinetic Behavior of the Two Low Molecular Mass Phosphotyrosine Protein Phosphatase Isoforms. Journal of Biological Chemistry, 1996, 271, 2604-2607.	3.4	48
78	Mitochondrial Oxidative Stress due to Complex I Dysfunction Promotes Fibroblast Activation and Melanoma Cell Invasiveness. Journal of Signal Transduction, 2012, 2012, 1-10.	2.0	48
79	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, 371-381.	3.6	48
80	Aspartic-129 is an essential residue in the catalytic mechanism of the lowMrphosphotyrosine protein phosphatase. FEBS Letters, 1994, 350, 328-332.	2.8	47
81	Cancer-associated fibroblasts and macrophages. OncoImmunology, 2013, 2, e25563.	4.6	47
82	Stromal fibroblasts synergize with hypoxic oxidative stress to enhance melanoma aggressiveness. Cancer Letters, 2012, 324, 31-41.	7.2	46
83	Systemic sclerosis endothelial cells recruit and activate dermal fibroblasts by induction of a connective tissue growth factor (CCN2)/transforming growth factor Î²â€“dependent mesenchymalâ€toâ€mesenchymal transition. Arthritis and Rheumatism, 2013, 65, 258-269.	6.7	46
84	Low Molecular Weight Protein-tyrosine Phosphatase Tyrosine Phosphorylation by c-Src during Platelet-derived Growth Factor-induced Mitogenesis Correlates with Its Subcellular Targeting. Journal of Biological Chemistry, 1998, 273, 32522-32527.	3.4	45
85	Adiponectin in health and diseases: from metabolic syndrome to tissue regeneration. Expert Opinion on Therapeutic Targets, 2010, 14, 193-206.	3.4	45
86	Redox Molecular Machines Involved in Tumor Progression. Antioxidants and Redox Signaling, 2013, 19, 1828-1845.	5.4	44
87	LowMrPhosphotyrosine Protein Phosphatase Interacts with the PDGF Receptor Directly via Its Catalytic Site. Biochemical and Biophysical Research Communications, 1996, 219, 21-25.	2.1	43
88	The receptor for urokinase-plasminogen activator (uPAR) controls plasticity of cancer cell movement in mesenchymal and amoeboid migration style. Oncotarget, 2014, 5, 1538-1553.	1.8	42
89	Nutrient Exploitation within the Tumorâ€“Stroma Metabolic Crosstalk. Trends in Cancer, 2016, 2, 736-746.	7.4	41
90	In vivo inactivation of phosphotyrosine protein phosphatases by nitric oxide. FEBS Letters, 1995, 374, 249-252.	2.8	40

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91	Insight into the Role of Low Molecular Weight Phosphotyrosine Phosphatase (LMW-PTP) on Platelet-derived Growth Factor Receptor (PDGF-r) Signaling. Journal of Biological Chemistry, 2002, 277, 37331-37338.	3.4	39
92	Mitochondrial Redox Hubs as Promising Targets for Anticancer Therapy. Frontiers in Oncology, 2020, 10, 256.	2.8	39
93	New perspectives in PDGF receptor downregulation: the main role of phosphotyrosine phosphatases. Journal of Cell Science, 2002, 115, 2219-2232.	2.0	39
94	The Redox Regulation of LMW-PTP During Cell Proliferation or Growth Inhibition. IUBMB Life, 2001, 52, 55-59.	3.4	38
95	miR-27a is a master regulator of metabolic reprogramming and chemoresistance in colorectal cancer. British Journal of Cancer, 2020, 122, 1354-1366.	6.4	38
96	EphA2-mediated mesenchymalâ€“amoeboid transition induced by endothelial progenitor cells enhances metastatic spread due to cancer-associated fibroblasts. Journal of Molecular Medicine, 2013, 91, 103-115.	3.9	37
97	Low Molecular Weight Protein-tyrosine Phosphatase Is Involved in Growth Inhibition during Cell Differentiation. Journal of Biological Chemistry, 2001, 276, 49156-49163.	3.4	36
98	Nutritional Exchanges Within Tumor Microenvironment: Impact for Cancer Aggressiveness. Frontiers in Oncology, 2020, 10, 396.	2.8	35
99	The metabolic gene HAO2 is downregulated in hepatocellular carcinoma and predicts metastasis and poor survival. Journal of Hepatology, 2016, 64, 891-898.	3.7	34
100	<i>Î²</i>3-Adrenoreceptors Control Mitochondrial Dormancy in Melanoma and Embryonic Stem Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	4.0	34
101	Reactive oxygen species as mediators of cell adhesion. Italian Journal of Biochemistry, 2003, 52, 28-32.	0.3	34
102	New perspectives in PDGF receptor downregulation: the main role of phosphotyrosine phosphatases. Journal of Cell Science, 2002, 115, 2219-32.	2.0	33
103	LMW-PTP Exerts a Differential Regulation on PDGF- and Insulin-Mediated Signaling. Biochemical and Biophysical Research Communications, 2000, 270, 564-569.	2.1	32
104	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, 36763-36776.	3.4	30
105	Src redox regulation: there is more than meets the eye. Molecules and Cells, 2008, 26, 329-37.	2.6	30
106	Differential role of four cysteines on the activity of a lowMrphosphotyrosine protein phosphatase. FEBS Letters, 1992, 310, 9-12.	2.8	29
107	Globular Adiponectin Activates Motility and Regenerative Traits of Muscle Satellite Cells. PLoS ONE, 2012, 7, e34782.	2.5	29
108	Redox-dependent and ligand-independenttrans-activation of insulin receptor by globular adiponectin. Hepatology, 2007, 46, 130-139.	7.3	28

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109	Globular Adiponectin as a Complete Mesoangioblast Regulator: Role in Proliferation, Survival, Motility, and Skeletal Muscle Differentiation. Molecular Biology of the Cell, 2010, 21, 848-859.	2.1	28
110	Down-Regulation of SOX2 Underlies the Inhibitory Effects of the Triphenylmethane Gentian Violet on Melanoma Cell Self-Renewal and Survival. Journal of Investigative Dermatology, 2016, 136, 2059-2069.	0.7	28
111	Multiwalled carbon nanotubes for drug delivery: Efficiency related to length and incubation time. International Journal of Pharmaceutics, 2017, 521, 69-72.	5.2	27
112	Oxidation and inactivation of low molecular weight protein tyrosine phosphatase by the anticancer drug Aplidin. International Journal of Cancer, 2006, 118, 2082-2088.	5.1	26
113	Targeting the receptor tyrosine kinase RET in combination with aromatase inhibitors in ER positive breast cancer xenografts. Oncotarget, 2016, 7, 80543-80553.	1.8	26
114	Redox Regulation of Ephrin/Integrin Cross-Talk. Cell Adhesion and Migration, 2007, 1, 33-42.	2.7	24
115	Lactate in Sarcoma Microenvironment: Much More than just a Waste Product. Cells, 2020, 9, 510.	4.1	24
116	22Â:Â6<i>n</i>-3 DHA inhibits differentiation of prostate fibroblasts into myofibroblasts and tumorigenesis. British Journal of Nutrition, 2012, 108, 2129-2137.	2.3	23
117	Targeted DNA oxidation by LSD1â€“SMAD2/3 primes TGF-Î²1/ EMT genes for activation or repression. Nucleic Acids Research, 2020, 48, 8943-8958.	14.5	23
118	Glucose Metabolic Reprogramming of ER Breast Cancer in Acquired Resistance to the CDK4/6 Inhibitor Palbociclib+. Cells, 2020, 9, 668.	4.1	23
119	Low Molecular Weight Protein-tyrosine Phosphatase Controls the Rate and the Strength of NIH-3T3 Cells Adhesion through Its Phosphorylation on Tyrosine 131 or 132. Journal of Biological Chemistry, 2000, 275, 37619-37627.	3.4	22
120	Metabolic implication of tumor:stroma crosstalk in breast cancer. Journal of Molecular Medicine, 2014, 92, 117-126.	3.9	21
121	Stromalâ€induced downregulation of miRâ€1247 promotes prostate cancer malignancy. Journal of Cellular Physiology, 2019, 234, 8274-8285.	4.1	21
122	Treatment with Cannabinoids as a Promising Approach for Impairing Fibroblast Activation and Prostate Cancer Progression. International Journal of Molecular Sciences, 2020, 21, 787.	4.1	21
123	Etoposide-Bevacizumab a new strategy against human melanoma cells expressing stem-like traits. Oncotarget, 2016, 7, 51138-51149.	1.8	21
124	Acylphosphatase is involved in differentiation of K562 cells. Cell Death and Differentiation, 1997, 4, 334-340.	11.2	20
125	A novel redox-based switch: LMW-PTP oxidation enhances Grb2 binding and leads to ERK activation. Biochemical and Biophysical Research Communications, 2006, 348, 367-373.	2.1	20
126	ERMP1, a novel potential oncogene involved in UPR and oxidative stress defense, is highly expressed in human cancer. Oncotarget, 2016, 7, 63596-63610.	1.8	20

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127	The role of Cys-17 in the pyridoxal 5â€²-phosphate inhibition of the bovine liver low phosphotyrosine protein phosphatase. BBA - Proteins and Proteomics, 1993, 1161, 216-222.	2.1	19
128	Anchorage-Dependent Cell Growth: Tyrosine Kinases and Phosphatases Meet Redox Regulation. Antioxidants and Redox Signaling, 2005, 7, 578-592.	5.4	19
129	The â€œclick-on-tubeâ€•approach for the production of efficient drug carriers based on oxidized multi-walled carbon nanotubes. Journal of Materials Chemistry B, 2016, 4, 3823-3831.	5.8	19
130	The effects of CA IX catalysis products within tumor microenvironment. Cell Communication and Signaling, 2013, 11, 81.	6.5	18
131	Cloning and expression of the cDNA coding for the erythrocyte isoenzyme of human acylphosphatase. FEBS Letters, 1995, 367, 145-148.	2.8	16
132	Differential Migration of Acylphosphatase Isoenzymes from Cytoplasm to Nucleus during Apoptotic Cell Death. Biochemical and Biophysical Research Communications, 1997, 231, 717-721.	2.1	15
133	The inhibitory effect of the 5â€² untranslated region of muscle acylphosphatase mRNA on protein expression is relieved during cell differentiation. FEBS Letters, 2000, 473, 42-46.	2.8	12
134	Multivalent presentation of a hydrolytically stable GM3 lactone mimetic as modulator of melanoma cells motility and adhesion. Bioorganic and Medicinal Chemistry, 2013, 21, 2756-2763.	3.0	12
135	Lipoyl-Homotaurine Derivative (ADM_12) Reverts Oxaliplatin-Induced Neuropathy and Reduces Cancer Cells Malignancy by Inhibiting Carbonic Anhydrase IX (CAIX). Journal of Medicinal Chemistry, 2017, 60, 9003-9011.	6.4	12
136	Redox Regulation of Ephrin/Integrin Cross-Talk. Cell Adhesion and Migration, 2007, 1, 33-42.	2.7	12
137	Endocannabinoid System and Tumour Microenvironment: New Intertwined Connections for Anticancer Approaches. Cells, 2021, 10, 3396.	4.1	12
138	Redox Regulation of Nonmuscle Myosin Heavy Chain during Integrin Engagement. Journal of Signal Transduction, 2012, 2012, 1-9.	2.0	11
139	Redox regulation of ephrin/integrin cross-talk. Cell Adhesion and Migration, 2007, 1, 33-42.	2.7	11
140	The 5â€²-untranslated region of the human muscle acylphosphatase mRNA has an inhibitory effect on protein expression. FEBS Letters, 1997, 417, 130-134.	2.8	10
141	Survival or Death: The Redox Paradox. Antioxidants and Redox Signaling, 2009, 11, 2651-2654.	5.4	9
142	Conjugation of a GM3 lactone mimetic on carbon nanotubes enhances the related inhibition of melanoma-associated metastatic events. Organic and Biomolecular Chemistry, 2018, 16, 6086-6095.	2.8	8
143	Î²3-Adrenoreceptor Blockade Reduces Hypoxic Myeloid Leukemic Cells Survival and Chemoresistance. International Journal of Molecular Sciences, 2020, 21, 4210.	4.1	8
144	Characterization of a novel nucleolytic activity of acylphosphatases. IUBMB Life, 1996, 40, 73-81.	3.4	7

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145	Stromal-induced mitochondrial re-education: Impact on epithelial-to-mesenchymal transition and cancer aggressiveness. Seminars in Cell and Developmental Biology, 2020, 98, 71-79.	5.0	7
146	Î²3-adrenoreceptor and tumor microenvironment: a new hub. OncoImmunology, 2015, 4, e1026532.	4.6	6
147	Zoledronic Acid Inhibits the RhoA-mediated Amoeboid Motility of Prostate Cancer Cells. Current Cancer Drug Targets, 2019, 19, 807-816.	1.6	5
148	Unconventional roles of lactate along the tumor and immune landscape. Trends in Endocrinology and Metabolism, 2022, , .	7.1	5
149	Tumors and their stroma. Cell Cycle, 2013, 12, 204-204.	2.6	3
150	Cancer stemness and progression: mitochondria on the stage. Oncotarget, 2015, 6, 36924-36925.	1.8	3
151	Cytokine Receptor Signal Transduction Mechanisms in Immuno-Hematopoietic Cells. Tumori, 1993, 79, 92-99.	1.1	2
152	Escaping from, moving towards, following a path, squeezing through: lots of opportunities for moving cells. Cell Communication and Signaling, 2010, 8, 25.	6.5	2
153	Claisened Hexafluoro Inhibits Metastatic Spreading of Amoeboid Melanoma Cells. Cancers, 2021, 13, 3551.	3.7	2
154	Nutritional and metabolic signalling through <scp>GPCRs</scp>. FEBS Letters, 0, , .	2.8	1
155	Principles of Redox Signaling. Oxidative Stress in Applied Basic Research and Clinical Practice, 2015, , 3-40.	0.4	0
156	Detection of Released CO2 by Radioactive Lactate. Bio-protocol, 2013, 3, .	0.4	0