

Mauro Biffoni

List of Publications by Year in descending order

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91
papers

12,709
citations

87888

38
h-index

45317

90
g-index

95
all docs

95
docs citations

95
times ranked

18666
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and expansion of human colon-cancer-initiating cells. <i>Nature</i> , 2007, 445, 111-115.	27.8	3,690
2	Identification and expansion of the tumorigenic lung cancer stem cell population. <i>Cell Death and Differentiation</i> , 2008, 15, 504-514.	11.2	1,511
3	Tumour vascularization via endothelial differentiation of glioblastoma stem-like cells. <i>Nature</i> , 2010, 468, 824-828.	27.8	1,235
4	The miR-15a/miR-16-1 cluster controls prostate cancer by targeting multiple oncogenic activities. <i>Nature Medicine</i> , 2008, 14, 1271-1277.	30.7	919
5	CD44v6 Is a Marker of Constitutive and Reprogrammed Cancer Stem Cells Driving Colon Cancer Metastasis. <i>Cell Stem Cell</i> , 2014, 14, 342-356.	11.1	617
6	The Promyelocytic Leukemia Zinc Finger/MicroRNA-221/-222 Pathway Controls Melanoma Progression through Multiple Oncogenic Mechanisms. <i>Cancer Research</i> , 2008, 68, 2745-2754.	0.9	357
7	TAZ is required for metastatic activity and chemoresistance of breast cancer stem cells. <i>Oncogene</i> , 2015, 34, 681-690.	5.9	287
8	Isolation and characterization of CD146+ multipotent mesenchymal stromal cells. <i>Experimental Hematology</i> , 2008, 36, 1035-1046.	0.4	240
9	Control of tumor and microenvironment cross-talk by miR-15a and miR-16 in prostate cancer. <i>Oncogene</i> , 2011, 30, 4231-4242.	5.9	221
10	A three-step pathway comprising PLZF/miR-146a/CXCR4 controls megakaryopoiesis. <i>Nature Cell Biology</i> , 2008, 10, 788-801.	10.3	214
11	Hedgehog controls neural stem cells through p53-independent regulation of Nanog. <i>EMBO Journal</i> , 2010, 29, 2646-2658.	7.8	208
12	Analysis of the combined action of miR-143 and miR-145 on oncogenic pathways in colorectal cancer cells reveals a coordinate program of gene repression. <i>Oncogene</i> , 2013, 32, 4806-4813.	5.9	159
13	Therapeutic targeting of Chk1 in NSCLC stem cells during chemotherapy. <i>Cell Death and Differentiation</i> , 2012, 19, 768-778.	11.2	157
14	Transferrin receptor 2 is frequently expressed in human cancer cell lines. <i>Blood Cells, Molecules, and Diseases</i> , 2007, 39, 82-91.	1.4	145
15	MicroRNA 223-dependent expression of LMO2 regulates normal erythropoiesis. <i>Haematologica</i> , 2009, 94, 479-486.	3.5	143
16	Integrin $\alpha 7$ Is a Functional Marker and Potential Therapeutic Target in Glioblastoma. <i>Cell Stem Cell</i> , 2017, 21, 35-50.e9.	11.1	101
17	Caveolin-1 tumor-promoting role in human melanoma. <i>International Journal of Cancer</i> , 2009, 125, 1514-1522.	5.1	96
18	BTG2 loss and miR-21 upregulation contribute to prostate cell transformation by inducing luminal markers expression and epithelial-mesenchymal transition. <i>Oncogene</i> , 2013, 32, 1843-1853.	5.9	94

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19	Elimination of quiescent/slow-proliferating cancer stem cells by Bcl-XL inhibition in non-small cell lung cancer. <i>Cell Death and Differentiation</i> , 2014, 21, 1877-1888.	11.2	90
20	MicroRNA 155 modulates megakaryopoiesis at progenitor and precursor level by targeting Ets1 and Meis1 transcription factors. <i>British Journal of Haematology</i> , 2008, 143, 570-580.	2.5	87
21	Antitumor effect of miR-197 targeting in p53 wild-type lung cancer. <i>Cell Death and Differentiation</i> , 2014, 21, 774-782.	11.2	86
22	Recombinant Tumor-Associated MUC1 Glycoprotein Impairs the Differentiation and Function of Dendritic Cells. <i>Journal of Immunology</i> , 2005, 174, 7764-7772.	0.8	82
23	Multiple Members of the TNF Superfamily Contribute to IFN- γ -Mediated Inhibition of Erythropoiesis. <i>Journal of Immunology</i> , 2005, 175, 1464-1472.	0.8	81
24	Expression of the stem cell marker CD133 in recurrent glioblastoma and its value for prognosis. <i>Cancer</i> , 2011, 117, 162-174.	4.1	80
25	miR-126 and miR-126* Restored Expressions Play a Tumor Suppressor Role by Directly Regulating ADAM9 and MMP7 in Melanoma. <i>PLoS ONE</i> , 2013, 8, e56824.	2.5	80
26	Metabolic/Proteomic Signature Defines Two Glioblastoma Subtypes With Different Clinical Outcome. <i>Scientific Reports</i> , 2016, 6, 21557.	3.3	75
27	Obesity hormone leptin induces growth and interferes with the cytotoxic effects of 5-fluorouracil in colorectal tumor stem cells. <i>Endocrine-Related Cancer</i> , 2010, 17, 823-833.	3.1	58
28	NFI-A directs the fate of hematopoietic progenitors to the erythroid or granulocytic lineage and controls β -globin and G-CSF receptor expression. <i>Blood</i> , 2009, 114, 1753-1763.	1.4	57
29	Combined PDK1 and CHK1 inhibition is required to kill glioblastoma stem-like cells in vitro and in vivo. <i>Cell Death and Disease</i> , 2014, 5, e1223-e1223.	6.3	57
30	Cripto is essential to capture mouse epiblast stem cell and human embryonic stem cell pluripotency. <i>Nature Communications</i> , 2016, 7, 12589.	12.8	56
31	The clinical value of patient-derived glioblastoma tumorspheres in predicting treatment response. <i>Neuro-Oncology</i> , 2017, 19, 1097-1108.	1.2	56
32	Proliferation State and Polo-Like Kinase1 Dependence of Tumorigenic Colon Cancer Cells. <i>Stem Cells</i> , 2012, 30, 1819-1830.	3.2	53
33	Proteasome inhibitors sensitize ovarian cancer cells to TRAIL induced apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 635-655.	4.9	47
34	New models for cancer research: human cancer stem cell xenografts. <i>Current Opinion in Pharmacology</i> , 2010, 10, 380-384.	3.5	47
35	Elesclomol-induced increase of mitochondrial reactive oxygen species impairs glioblastoma stem-like cell survival and tumor growth. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 228.	8.6	45
36	Deregulated expression of the imprinted <i>DLK1-DIO3</i> region in glioblastoma stemlike cells: tumor suppressor role of lncRNA MEG3. <i>Neuro-Oncology</i> , 2020, 22, 1771-1784.	1.2	44

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37	miR-135b suppresses tumorigenesis in glioblastoma stem-like cells impairing proliferation, migration and self-renewal. <i>Oncotarget</i> , 2015, 6, 37241-37256.	1.8	42
38	Transfected human dendritic cells to induce antitumor immunity. <i>Gene Therapy</i> , 2000, 7, 1458-1466.	4.5	41
39	Diphtheria toxin fused to variant human interleukin-3 induces cytotoxicity of blasts from patients with acute myeloid leukemia according to the level of interleukin-3 receptor expression. <i>Blood</i> , 2005, 106, 2527-2529.	1.4	41
40	A Small Molecule SMAC Mimic LBW242 Potentiates TRAIL- and Anticancer Drug-Mediated Cell Death of Ovarian Cancer Cells. <i>PLoS ONE</i> , 2012, 7, e35073.	2.5	41
41	Different expression of TSH receptor and NIS genes in thyroid cancer: role of epigenetics. <i>Journal of Molecular Endocrinology</i> , 2014, 52, 121-131.	2.5	41
42	Therotyping cystic fibrosis <i>in vitro</i> in ALI culture and organoid models generated from patient-derived nasal epithelial conditionally reprogrammed stem cells. <i>European Respiratory Journal</i> , 2021, 58, 2100908.	6.7	39
43	Erythropoietin Activates Cell Survival Pathways in Breast Cancer Stem-like Cells to Protect Them from Chemotherapy. <i>Cancer Research</i> , 2013, 73, 6393-6400.	0.9	37
44	EGFR Inhibition Abrogates Leiomyosarcoma Cell Chemoresistance through Inactivation of Survival Pathways and Impairment of CSC Potential. <i>PLoS ONE</i> , 2012, 7, e46891.	2.5	36
45	A small molecule Smac mimic potentiates TRAIL-mediated cell death of ovarian cancer cells. <i>Gynecologic Oncology</i> , 2007, 105, 481-492.	1.4	35
46	Disruption of IFN-I Signaling Promotes HER2/Neu Tumor Progression and Breast Cancer Stem Cells. <i>Cancer Immunology Research</i> , 2018, 6, 658-670.	3.4	34
47	Thymosin β 4 targeting impairs tumorigenic activity of colon cancer stem cells. <i>FASEB Journal</i> , 2010, 24, 4291-4301.	0.5	33
48	A three-microRNA signature identifies two subtypes of glioblastoma patients with different clinical outcomes. <i>Molecular Oncology</i> , 2017, 11, 1115-1129.	4.6	32
49	An organoid model of colorectal circulating tumor cells with stem cell features, hybrid EMT state and distinctive therapy response profile. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 86.	8.6	31
50	Metabolic Heterogeneity Evidenced by MRS among Patient-Derived Glioblastoma Multiforme Stem-Like Cells Accounts for Cell Clustering and Different Responses to Drugs. <i>Stem Cells International</i> , 2018, 2018, 1-16.	2.5	29
51	RFA strongly modulates the immune system and anti-tumor immune responses in metastatic liver patients. <i>International Journal of Oncology</i> , 0, , .	3.3	28
52	miR-21 is overexpressed in NPM1-mutant acute myeloid leukemias. <i>Leukemia Research</i> , 2015, 39, 221-228.	0.8	27
53	¹ H NMR spectroscopy of glioblastoma stem-like cells identifies alpha-amino adipate as a marker of tumor aggressiveness. <i>NMR in Biomedicine</i> , 2015, 28, 317-326.	2.8	27
54	Mir-370-3p Impairs Glioblastoma Stem-Like Cell Malignancy Regulating a Complex Interplay between HMGA2/HIF1A and the Oncogenic Long Non-Coding RNA (lncRNA) NEAT1. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3610.	4.1	25

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55	IFN- γ potentiates the direct and immune-mediated antitumor effects of epigenetic drugs on both metastatic and stem cells of colorectal cancer. <i>Oncotarget</i> , 2016, 7, 26361-26373.	1.8	25
56	High sensitivity of ovarian cancer cells to the synthetic triterpenoid CDDO-Imidazolide. <i>Cancer Letters</i> , 2009, 282, 214-228.	7.2	24
57	Prevention of Chemotherapy-Induced Anemia and Thrombocytopenia by Constant Administration of Stem Cell Factor. <i>Clinical Cancer Research</i> , 2011, 17, 6185-6191.	7.0	24
58	¹ H NMR detects different metabolic profiles in glioblastoma stem-like cells. <i>NMR in Biomedicine</i> , 2014, 27, 129-145.	2.8	24
59	BH4 domain of bcl-2 protein is required for its proangiogenic function under hypoxic condition. <i>Carcinogenesis</i> , 2013, 34, 2558-2567.	2.8	23
60	Human Haemato-Endothelial Precursors: Cord Blood CD34+ Cells Produce Haemogenic Endothelium. <i>PLoS ONE</i> , 2012, 7, e51109.	2.5	23
61	Podocalyxin is expressed in normal and leukemic monocytes. <i>Blood Cells, Molecules, and Diseases</i> , 2006, 37, 218-225.	1.4	22
62	COVID-19-Induced Modifications in the Tumor Microenvironment: Do They Affect Cancer Reawakening and Metastatic Relapse?. <i>Frontiers in Oncology</i> , 2020, 10, 592891.	2.8	22
63	Two-Year Follow-Up of Macaques Developing Intermittent Control of the Human Immunodeficiency Virus Homolog Simian Immunodeficiency Virus SIVmac251 in the Chronic Phase of Infection. <i>Journal of Virology</i> , 2015, 89, 7521-7535.	3.4	20
64	Regulated expression of MUC1 epithelial antigen in erythropoiesis. <i>British Journal of Haematology</i> , 2003, 120, 344-352.	2.5	19
65	Lamina Propria CD4+LAP+ Regulatory T Cells Are Increased in Active Ulcerative Colitis but Show Increased IL-17 Expression and Reduced Suppressor Activity. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 346-353.	1.3	19
66	Control of replication stress and mitosis in colorectal cancer stem cells through the interplay of PARP1, MRE11 and RAD51. <i>Cell Death and Differentiation</i> , 2021, 28, 2060-2082.	11.2	19
67	Effects of urinary gonadotrophin preparations on human in-vitro immune function. <i>Human Reproduction</i> , 1998, 13, 2430-2434.	0.9	18
68	Mek inhibition results in marked antitumor activity against metastatic melanoma patient-derived melanospheres and in melanosphere-generated xenografts. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 91.	8.6	18
69	Generation, Quantification, and Tracing of Metabolically Labeled Fluorescent Exosomes. <i>Methods in Molecular Biology</i> , 2016, 1448, 217-235.	0.9	17
70	UCN-01 enhances cytotoxicity of irinotecan in colorectal cancer stem-like cells by impairing DNA damage response. <i>Oncotarget</i> , 2016, 7, 44113-44128.	1.8	17
71	Human neural progenitor cells display limited cytotoxicity and increased oligodendrogenesis during inflammation. <i>Cell Death and Differentiation</i> , 2007, 14, 876-878.	11.2	16
72	Molecular profiles of cancer stem-like cell populations in aggressive thyroid cancers. <i>Endocrine</i> , 2016, 53, 145-156.	2.3	16

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73	Joint action of miR-126 and MAPK/PI3K inhibitors against metastatic melanoma. <i>Molecular Oncology</i> , 2019, 13, 1836-1854.	4.6	15
74	Monoclonal antibodies against <i>Candida rugosa</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 71-74.	1.8	14
75	Methylation damage response in hematopoietic progenitor cells. <i>DNA Repair</i> , 2007, 6, 1170-1178.	2.8	13
76	False-positive Finding on 18F-FDG PET after Chemotherapy for Primary Diffuse Large B-cell Lymphoma of the Thyroid: a Case Report. <i>Japanese Journal of Clinical Oncology</i> , 2004, 34, 280-281.	1.3	11
77	Glioblastoma stem cells: radiobiological response to ionising radiations of different qualities. <i>Radiation Protection Dosimetry</i> , 2015, 166, 374-378.	0.8	11
78	The MUTYH base excision repair gene protects against inflammation-associated colorectal carcinogenesis. <i>Oncotarget</i> , 2015, 6, 19671-19684.	1.8	11
79	Production of interferon- β by lymphocytes from paroxysmal nocturnal haemoglobinuria patients: relationship with clinical status. <i>British Journal of Haematology</i> , 2004, 124, 685-690.	2.5	8
80	Two-Step Coimmunoprecipitation (TIP) Enables Efficient and Highly Selective Isolation of Native Protein Complexes. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 993-1009.	3.8	8
81	Different Mechanisms Underlie the Metabolic Response of GBM Stem-Like Cells to Ionizing Radiation: Biological and MRS Studies on Effects of Photons and Carbon Ions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5167.	4.1	8
82	Multicentre Harmonisation of a Six-Colour Flow Cytometry Panel for Na ⁺ -ve/Memory T Cell Immunomonitoring. <i>Journal of Immunology Research</i> , 2020, 2020, 1-15.	2.2	8
83	DNA damage response in monozygotic twins discordant for smoking habits. <i>Mutagenesis</i> , 2013, 28, 135-144.	2.6	7
84	Lymphocyte T subsets and natural killer cells in Italian and Philippino blood donors. <i>Vox Sanguinis</i> , 2003, 84, 68-72.	1.5	5
85	MiR-378a-3p Acts as a Tumor Suppressor in Colorectal Cancer Stem-Like Cells and Affects the Expression of MALAT1 and NEAT1 lncRNAs. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	5
86	Effects of β -casomorphins and Met-enkephalin on human natural killer activity. <i>Pharmacological Research</i> , 1992, 26, 164-165.	7.1	4
87	AN IL-6/IL-6 SOLUBLE RECEPTOR (IL-6R) HYBRID PROTEIN (H-IL-6) INDUCES EPO-INDEPENDENT ERYTHROID DIFFERENTIATION IN HUMAN CD34+CELLS. <i>Cytokine</i> , 2000, 12, 1395-1399.	3.2	4
88	qSNE: quadratic rate t-SNE optimizer with automatic parameter tuning for large datasets. <i>Bioinformatics</i> , 2020, 36, 5086-5092.	4.1	3
89	Molecular landscape and actionable alterations in a genomic-guided cancer clinical trial: First analysis of the ROME trial.. <i>Journal of Clinical Oncology</i> , 2022, 40, 3087-3087.	1.6	2
90	MicroRNA-221/-222 pathway controls melanoma progression. <i>European Journal of Cancer, Supplement</i> , 2008, 6, 122.	2.2	1

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91	Variability of treatment modalities and intensity in patients with severe haemophilia A on prophylaxis: Results from the Italian national registry. <i>European Journal of Haematology</i> , 2021, 107, 408-415.	2.2	0