

# Francesca Bianchini

## List of Publications by Year in descending order

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96  
papers

4,498  
citations

109137

35  
h-index

110170

64  
g-index

98  
all docs

98  
docs citations

98  
times ranked

6877  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lactate Rewires Lipid Metabolism and Sustains a Metabolicâ€“Epigenetic Axis in Prostate Cancer. <i>Cancer Research</i> , 2022, 82, 1267-1282.	0.4	52
2	Identification of a Common Pharmacophore for Binding to MMP2 and RGD Integrin: Towards a Multitarget Approach to Inhibit Cancer Angiogenesis and Metastasis. <i>Molecules</i> , 2022, 27, 1249.	1.7	3
3	Integrin-Mediated Targeted Cancer Therapy Using c(RGDyK)-Based Conjugates of Gemcitabine. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 271-284.	2.9	6
4	Modular synthesis of 2,4-diaminoanilines as CNS drug-like non-covalent inhibitors of asparagine endopeptidase. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 63, 116746.	1.4	1
5	Design, synthesis and evaluation of RGD peptidomimetic â€“ Gold nanostar conjugates as M21 cell adhesion inhibitors. <i>Bioorganic Chemistry</i> , 2022, 126, 105873.	2.0	0
6	Nintedanib-Containing Dual Conjugates Targeting $\alpha_5\beta_1$ Integrin and Tyrosine Kinase Receptors as Potential Antifibrotic Agents. <i>ACS Omega</i> , 2022, 7, 17658-17669.	1.6	6
7	uPAR-expressing melanoma exosomes promote angiogenesis by VE-Cadherin, EGFR and uPAR overexpression and rise of ERK1,2 signaling in endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3057-3072.	2.4	38
8	Enhanced Antitumoral Activity and Photoacoustic Imaging Properties of AuNPâ€“Enriched Endothelial Colony Forming Cells on Melanoma. <i>Advanced Science</i> , 2021, 8, 2001175.	5.6	12
9	Glycolysis-derived acidic microenvironment as a driver of endothelial dysfunction in systemic sclerosis. <i>Rheumatology</i> , 2021, 60, 4508-4519.	0.9	16
10	CRISPR/Cas9 uPAR Gene Knockout Results in Tumor Growth Inhibition, EGFR Downregulation and Induction of Stemness Markers in Melanoma and Colon Carcinoma Cell Lines. <i>Frontiers in Oncology</i> , 2021, 11, 663225.	1.3	11
11	Synthesis and biological studies of c(RGDyK) conjugates of cucurbitacins. <i>Future Medicinal Chemistry</i> , 2021, 13, 877-895.	1.1	6
12	uPAR Controls Vasculogenic Mimicry Ability Expressed by Drug-Resistant Melanoma Cells. <i>Oncology Research</i> , 2021, 28, 873-884.	0.6	10
13	Oleuropein-Rich Leaf Extract as a Broad Inhibitor of Tumour and Macrophage iNOS in an Apc Mutant Rat Model. <i>Antioxidants</i> , 2021, 10, 1577.	2.2	16
14	New 4-Aminoproline-Based Small Molecule Cyclopeptidomimetics as Potential Modulators of $\alpha_5\beta_1$ Integrin. <i>Molecules</i> , 2021, 26, 6066.	1.7	3
15	A potentiated cooperation of carbonic anhydrase IX and histone deacetylase inhibitors against cancer. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 391-397.	2.5	19
16	The acidic tumor microenvironment drives a stem-like phenotype in melanoma cells. <i>Journal of Molecular Medicine</i> , 2020, 98, 1431-1446.	1.7	58
17	The Carbonic Anhydrase IX inhibitor SLC-0111 as emerging agent against the mesenchymal stem cell-derived pro-survival effects on melanoma cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1185-1193.	2.5	23
18	Enantioselective Synthesis of <i>cis</i> and <i>trans</i> 4-Aminopipercolic Acids as $\alpha$ -Amino Acids for the Construction of Cyclic RGDâ€“Containing Peptidomimetics Antagonists of $\alpha_5\beta_1$ Integrin. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4371-4383.	1.2	1

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19	FDG uptake in cancer: a continuing debate. <i>Theranostics</i> , 2020, 10, 2944-2948.	4.6	22
20	$\beta$ -Adrenoreceptor Blockade Induces Stem Cells Differentiation in Melanoma Microenvironment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1420.	1.8	19
21	Cancer Glycolytic Dependence as a New Target of Olive Leaf Extract. <i>Cancers</i> , 2020, 12, 317.	1.7	34
22	Potential Role of HLA Class I Antigens in the Glycolytic Metabolism and Motility of Melanoma Cells. <i>Cancers</i> , 2019, 11, 1249.	1.7	5
23	Anoikis Resistance as a Further Trait of Acidic-Adapted Melanoma Cells. <i>Journal of Oncology</i> , 2019, 2019, 1-13.	0.6	23
24	Integrin-targeted AmpRGD sunitinib liposomes as integrated antiangiogenic tools. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 135-145.	1.7	21
25	$\beta$ -Adrenoceptor as a potential immuno-suppressor agent in melanoma. <i>British Journal of Pharmacology</i> , 2019, 176, 2509-2524.	2.7	49
26	Identification of highly potent and selective MMP2 inhibitors addressing the S1 site subsite with d-proline-based compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1891-1902.	1.4	13
27	Cell-targeted c(AmpRGD)-sunitinib molecular conjugates impair tumor growth of melanoma. <i>Cancer Letters</i> , 2019, 446, 25-37.	3.2	28
28	The carbonic anhydrase IX inhibitor SLC-0111 sensitises cancer cells to conventional chemotherapy. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 117-123.	2.5	74
29	Stereodivergent synthesis of 5-aminopipericolic acids and application in the preparation of a cyclic RGD peptidomimetic as a nanomolar $\beta$ integrin ligand. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3402-3414.	1.5	4
30	$\beta$ -Adrenoreceptors Control Mitochondrial Dormancy in Melanoma and Embryonic Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	1.9	34
31	SOX2 as a novel contributor of oxidative metabolism in melanoma cells. <i>Cell Communication and Signaling</i> , 2018, 16, 87.	2.7	27
32	Oleuropein, the Main Polyphenol of <i>Olea europaea</i> Leaf Extract, Has an Anti-Cancer Effect on Human BRAF Melanoma Cells and Potentiates the Cytotoxicity of Current Chemotherapies. <i>Nutrients</i> , 2018, 10, 1950.	1.7	79
33	Gold Nanoparticles Functionalized with RGD-Semipeptides: A Simple yet Highly Effective Targeting System for $\beta$ Integrins. <i>Chemistry - A European Journal</i> , 2018, 24, 12093-12100.	1.7	17
34	The acidic microenvironment as a possible niche of dormant tumor cells. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2761-2771.	2.4	86
35	Synthesis of Novel c(AmpRGD)-Sunitinib Dual Conjugates as Molecular Tools Targeting the $\beta$ Integrin/VEGFR2 Couple and Impairing Tumor-Associated Angiogenesis. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 248-262.	2.9	36
36	Carbonic anhydrase IX inhibition affects viability of cancer cells adapted to extracellular acidosis. <i>Journal of Molecular Medicine</i> , 2017, 95, 1341-1353.	1.7	76

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37	Everolimus selectively targets vemurafenib resistant BRAFV600E melanoma cells adapted to low pH. <i>Cancer Letters</i> , 2017, 408, 43-54.	3.2	36
38	Synthesis and conformational analysis of peptides embodying 2,3-methanopiperic acids. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6826-6836.	1.5	14
39	uPA/uPAR system activation drives a glycolytic phenotype in melanoma cells. <i>International Journal of Cancer</i> , 2017, 141, 1190-1200.	2.3	40
40	Triazole RGD antagonist reverts TGF $\beta$ 1-induced endothelial-to-mesenchymal transition in endothelial precursor cells. <i>Molecular and Cellular Biochemistry</i> , 2017, 424, 99-110.	1.4	10
41	Roles of different IRES-dependent FGF2 isoforms in the acquisition of the major aggressive features of human metastatic melanoma. <i>Journal of Molecular Medicine</i> , 2017, 95, 97-108.	1.7	9
42	Acidity of Microenvironment as a Further Driver of Tumor Metabolic Reprogramming. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2017, 08, .	1.5	10
43	Identification of Novel Human Breast Carcinoma (MDA-MB-231) Cell Growth Modulators from a Carbohydrate-Based Diversity Oriented Synthesis Library. <i>Molecules</i> , 2016, 21, 1405.	1.7	2
44	Metformin is also effective on lactic acidosis-exposed melanoma cells switched to oxidative phosphorylation. <i>Cell Cycle</i> , 2016, 15, 1908-1918.	1.3	49
45	Cyclic RGD peptidomimetics containing 4- and 5-amino-cyclopropane piperic acid (CPA) templates as dual $\alpha$ 5 $\beta$ 1 and $\alpha$ 5 $\beta$ 2 integrin ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 703-711.	1.4	14
46	Tumor-tropic endothelial colony forming cells (ECFCs) loaded with near-infrared sensitive Au nanoparticles: A cellular stove approach to the photoablation of melanoma. <i>Oncotarget</i> , 2016, 7, 39846-39860.	0.8	20
47	Etoposide-Bevacizumab a new strategy against human melanoma cells expressing stem-like traits. <i>Oncotarget</i> , 2016, 7, 51138-51149.	0.8	21
48	Endothelial sphingosine kinase/SPNS2 axis is critical for vessel-like formation by human mesoangioblasts. <i>Journal of Molecular Medicine</i> , 2015, 93, 1145-1157.	1.7	18
49	Synthesis and preclinical evaluation of a novel, selective <sup>111</sup> In-labelled aminoproline-RGD-peptide for non-invasive melanoma tumor imaging. <i>MedChemComm</i> , 2015, 6, 2175-2183.	3.5	11
50	Radiosynthesis and micro-SPECT analysis of triazole-based RGD integrin ligands as non-peptide molecular imaging probes for angiogenesis. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1112-1122.	1.4	12
51	Inhibition of uPAR-TGF $\beta$ 2 crosstalk blocks MSC-dependent EMT in melanoma cells. <i>Journal of Molecular Medicine</i> , 2015, 93, 783-794.	1.7	39
52	Metabolic reprogramming as a continuous changing behavior of tumor cells. <i>Tumor Biology</i> , 2015, 36, 5759-5762.	0.8	5
53	Extracellular acidity strengthens mesenchymal stem cells to promote melanoma progression. <i>Cell Cycle</i> , 2015, 14, 3088-3100.	1.3	47
54	A study of ad-proline peptidomimetic inhibitor of melanoma and endothelial cell invasion through activity towards MMP-2 and MMP-9. <i>MedChemComm</i> , 2015, 6, 277-282.	3.5	7

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55	Dynamic scenario of metabolic pathway adaptation in tumors and therapeutic approach. <i>Oncoscience</i> , 2015, 2, 225-232.	0.9	9
56	Targeting stromal-induced pyruvate kinase M2 nuclear translocation impairs OXPHOS and prostate cancer metastatic spread. <i>Oncotarget</i> , 2015, 6, 24061-24074.	0.8	84
57	Melanoma cell therapy: Endothelial progenitor cells as shuttle of the MMP12 uPAR-degrading enzyme. <i>Oncotarget</i> , 2014, 5, 3711-3727.	0.8	37
58	CD63 Tetraspanin Is a Negative Driver of Epithelial-to-Mesenchymal Transition in Human Melanoma Cells. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2947-2956.	0.3	38
59	Inflammatory cytokines induce vascular endothelial growth factor-C expression in melanoma-associated macrophages and stimulate melanoma lymph node metastasis. <i>Oncology Letters</i> , 2014, 8, 1133-1138.	0.8	33
60	The metabolically-modulated stem cell niche: a dynamic scenario regulating cancer cell phenotype and resistance to therapy. <i>Cell Cycle</i> , 2014, 13, 3169-3175.	1.3	48
61	Contribution of acidic melanoma cells undergoing epithelial-to-mesenchymal transition to aggressiveness of non-acidic melanoma cells. <i>Clinical and Experimental Metastasis</i> , 2014, 31, 423-433.	1.7	81
62	Cyclopropane Pipecolic Acids as Templates for Linear and Cyclic Peptidomimetics: Application in the Synthesis of an Arg-Gly-Asp (RGD)-Containing Peptide as an Integrin Ligand. <i>Chemistry - A European Journal</i> , 2014, 20, 11187-11203.	1.7	17
63	Angiopoietin-like 7, a novel pro-angiogenic factor over-expressed in cancer. <i>Angiogenesis</i> , 2014, 17, 881-896.	3.7	55
64	Extracellular acidity, a core appreciated trait of tumor environment driving malignancy: perspectives in diagnosis and therapy. <i>Cancer and Metastasis Reviews</i> , 2014, 33, 823-832.	2.7	150
65	Combination of click chemistry and sulfonamides to develop three-armed triazole compounds. <i>Tetrahedron</i> , 2014, 70, 5439-5449.	1.0	6
66	Acidic pH via NF- $\kappa$ B favours VEGF-C expression in human melanoma cells. <i>Clinical and Experimental Metastasis</i> , 2013, 30, 957-967.	1.7	49
67	EphA2-mediated mesenchymal amoeboid transition induced by endothelial progenitor cells enhances metastatic spread due to cancer-associated fibroblasts. <i>Journal of Molecular Medicine</i> , 2013, 91, 103-115.	1.7	37
68	Desmoglein-2-Integrin Beta-8 Interaction Regulates Actin Assembly in Endothelial Cells: Deregulation in Systemic Sclerosis. <i>PLoS ONE</i> , 2013, 8, e68117.	1.1	27
69	22:6n-3 DHA inhibits differentiation of prostate fibroblasts into myofibroblasts and tumorigenesis. <i>British Journal of Nutrition</i> , 2012, 108, 2129-2137.	1.2	23
70	<sup>125</sup> I-Radiolabeled Morpholine-Containing Arginine-Glycine-Aspartate (RGD) Ligand of Integrin As a Molecular Imaging Probe for Angiogenesis. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5024-5033.	2.9	26
71	GDF5 Regulates TGF $\beta$ -Dependent Angiogenesis in Breast Carcinoma MCF-7 Cells: In Vitro and In Vivo Control by Anti-TGF $\beta$ Peptides. <i>PLoS ONE</i> , 2012, 7, e50342.	1.1	31
72	Male Mardinari-Mardinari apples with high polyphenol content and a low fat diet reduce 1,2-dimethylhydrazine-induced colon carcinogenesis in rats: Effects on inflammation and apoptosis. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 1353-1357.	1.5	20

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73	Effects of n-3 polyunsaturated fatty acids on malignant ventricular arrhythmias in patients with chronic heart failure and implantable cardioverter-defibrillators: A substudy of the Gruppo Italiano per lo Studio della Sopravvivenza nell'Insufficienza Cardiaca (GISSI-HF) trial. <i>American Heart Journal</i> , 2011, 161, 338-343.e1.	1.2	53
74	Cancer Associated Fibroblasts Exploit Reactive Oxygen Species Through a Proinflammatory Signature Leading to Epithelial Mesenchymal Transition and Stemness. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2361-2371.	2.5	186
75	Endothelial progenitor cell-dependent angiogenesis requires localization of the full-length form of uPAR in caveolae. <i>Blood</i> , 2011, 118, 3743-3755.	0.6	70
76	HIF-1 $\alpha$ stabilization by mitochondrial ROS promotes Met-dependent invasive growth and vasculogenic mimicry in melanoma cells. <i>Free Radical Biology and Medicine</i> , 2011, 51, 893-904.	1.3	146
77	EphA2 Induces Metastatic Growth Regulating Amoeboid Motility and Clonogenic Potential in Prostate Carcinoma Cells. <i>Molecular Cancer Research</i> , 2011, 9, 149-160.	1.5	63
78	Modulation of the angiogenic phenotype of normal and systemic sclerosis endothelial cells by gain/loss of function of pentraxin 3 and matrix metalloproteinase 12. <i>Arthritis and Rheumatism</i> , 2010, 62, 2488-2498.	6.7	42
79	Environmental control of invasiveness and metastatic dissemination of tumor cells: the role of tumor cell-host cell interactions. <i>Cell Communication and Signaling</i> , 2010, 8, 24.	2.7	45
80	Click-Chemistry-Derived Triazole Ligands of Arginine-Glycine-Aspartate (RGD) Integrins with a Broad Capacity To Inhibit Adhesion of Melanoma Cells and Both in Vitro and in Vivo Angiogenesis. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7119-7128.	2.9	49
81	Reciprocal Activation of Prostate Cancer Cells and Cancer-Associated Fibroblasts Stimulates Epithelial-Mesenchymal Transition and Cancer Stemness. <i>Cancer Research</i> , 2010, 70, 6945-6956.	0.4	493
82	EphA2 Reexpression Prompts Invasion of Melanoma Cells Shifting from Mesenchymal to Amoeboid-like Motility Style. <i>Cancer Research</i> , 2009, 69, 2072-2081.	0.4	120
83	Kinase-Dependent and -Independent Roles of EphA2 in the Regulation of Prostate Cancer Invasion and Metastasis. <i>American Journal of Pathology</i> , 2009, 174, 1492-1503.	1.9	96
84	Systemic Sclerosis-Endothelial Cell Antiangiogenic Pentraxin 3 and Matrix Metalloprotease 12 Control Human Breast Cancer Tumor Vascularization and Development in Mice. <i>Neoplasia</i> , 2009, 11, 1106-1115.	2.3	32
85	Tumoral and macrophage uPAR and MMP-9 contribute to the invasiveness of B16 murine melanoma cells. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 225-231.	1.7	44
86	Arginine metabolism in tumor-associated macrophages in cutaneous malignant melanoma: evidence from human and experimental tumors. <i>Human Pathology</i> , 2007, 38, 1516-1525.	1.1	50
87	Expression of cyclo-oxygenase-2 in macrophages associated with cutaneous melanoma at different stages of progression. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 83, 320-328.	1.0	42
88	Expression of a metastatic phenotype in IFNs-primed/TNF $\alpha$ -activated B16 murine melanoma cells: role of JAK1/PKC $\zeta$ signal transduction factors. <i>Clinical and Experimental Metastasis</i> , 2006, 23, 203-208.	1.7	4
89	Cytokine-dependent invasiveness in B16 murine melanoma cells: role of uPA system and MMP-9. <i>Oncology Reports</i> , 2006, 15, 709-14.	1.2	18
90	Enhancement of Nitric Oxide Release in Mouse Inflammatory Macrophages Co-cultivated with Tumor Cells of a Different Origin. <i>Clinical and Experimental Metastasis</i> , 2005, 22, 413-419.	1.7	10

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91	Stereochemical assignment, antiinflammatory properties, and receptor for the omega-3 lipid mediator resolvin E1. <i>Journal of Experimental Medicine</i> , 2005, 201, 713-722.	4.2	829
92	Inhibition of lipoxygenase pathway in macrophages co-cultivated with tumor cells. <i>Cancer Letters</i> , 2005, 223, 151-158.	3.2	5
93	IFN $\gamma$ and TNF $\alpha$ account for a pro-clonogenic activity secreted by activated murine peritoneal macrophages. <i>Clinical and Experimental Metastasis</i> , 2002, 19, 259-264.	1.7	9
94	The change in leukotrienes and lipoxins in activated mouse peritoneal macrophages. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2000, 1484, 87-92.	1.2	8
95	Biological properties associated with the enhanced lung-colonizing potential in a B16 murine melanoma line grown in a medium conditioned by syngeneic <i>Corynebacterium parvum</i> -elicited macrophages. <i>Clinical and Experimental Metastasis</i> , 1999, 17, 889-895.	1.7	6
96	Cytokine-dependent invasiveness in B16 murine melanoma cells: Role of uPA system and MMP-9. <i>Oncology Reports</i> , 0, , .	1.2	7