

# Stefania Maria Filomena Mitola

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

4,300  
citations

31  
h-index

64  
g-index

101  
ext. papers

4,744  
ext. citations

6.4  
avg, IF

4.9  
L-index

#	Paper	IF	Citations
97	Irisin regulates thermogenesis and lipolysis in 3T3-L1 adipocytes.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2022</b> , 1866, 130085	4	1
96	Novel potential oncogenic and druggable mutations of FGFRs recur in the kinase domain across cancer types. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1868, 166313	6.9	0
95	The Metastatic Capacity of Melanoma Reveals Alternative Pathways of Cancer Dissemination. <i>International Journal of Translational Medicine</i> , <b>2021</b> , 1, 163-174		
94	Simultaneously characterization of tumoral angiogenesis and vasculogenesis in stem cell-derived teratomas. <i>Experimental Cell Research</i> , <b>2021</b> , 400, 112490	4.2	2
93	H-ferritin suppression and pronounced mitochondrial respiration make Hepatocellular Carcinoma cells sensitive to RSL3-induced ferroptosis. <i>Free Radical Biology and Medicine</i> , <b>2021</b> , 169, 294-303	7.8	8
92	Expression of activated VEGFR2 by R1051Q mutation alters the energy metabolism of Sk-Mel-31 melanoma cells by increasing glutamine dependence. <i>Cancer Letters</i> , <b>2021</b> , 507, 80-88	9.9	6
91	Specific targeting of the KRAS mutational landscape in myeloma as a tool to unveil the elicited antitumor activity. <i>Blood</i> , <b>2021</b> , 138, 1705-1720	2.2	3
90	Bartonella henselae Persistence within Mesenchymal Stromal Cells Enhances Endothelial Cell Activation and Infectibility That Amplifies the Angiogenic Process. <i>Infection and Immunity</i> , <b>2021</b> , 89, e0037121	3.7	1
89	A novel variant of VEGFR2 identified by a pan-cancer screening of recurrent somatic mutations in the catalytic domain of tyrosine kinase receptors enhances tumor growth and metastasis. <i>Cancer Letters</i> , <b>2021</b> , 496, 84-92	9.9	4
88	Alpha-Synuclein in the Regulation of Brain Endothelial and Perivascular Cells: Gaps and Future Perspectives. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 611761	8.4	7
87	The Claudin-Low Subtype of High-Grade Serous Ovarian Carcinoma Exhibits Stem Cell Features. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
86	Protein domain-based approaches for the identification and prioritization of therapeutically actionable cancer variants. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2021</b> , 1876, 188614	11.2	1
85	Genetic perturbation of IFN- $\beta$ transcriptional modulators in human endothelial cells uncovers pivotal regulators of angiogenesis. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 3977-3986	6.8	3
84	Usefulness of melatonin as complementary to chemotherapeutic agents at different stages of the angiogenic process. <i>Scientific Reports</i> , <b>2020</b> , 10, 4790	4.9	13
83	D-Peptide analogues of Boc-Phe-Leu-Phe-Leu-Phe-COOH induce neovascularization via endothelial N-formyl peptide receptor 3. <i>Angiogenesis</i> , <b>2020</b> , 23, 357-369	10.6	6
82	A Model of Integrin and VEGF Receptors Recruitment on Endothelial Cells. <i>Advanced Structured Materials</i> , <b>2020</b> , 163-198	0.6	1
81	Role of VEGFs in metabolic disorders. <i>Angiogenesis</i> , <b>2020</b> , 23, 119-130	10.6	21

80	Molecular insight on the altered membrane trafficking of TrkA kinase dead mutants. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2020</b> , 1867, 118614	4.9	5
79	In Situ DNA/Protein Interaction Assay to Visualize Transcriptional Factor Activation. <i>Methods and Protocols</i> , <b>2020</b> , 3,	2.5	2
78	Low Expression of Claudin-7 as Potential Predictor of Distant Metastases in High-Grade Serous Ovarian Carcinoma Patients. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 1287	5.3	5
77	Fluorolabeling of the PPTase-Related Chemical Tags: Comparative Study of Different Membrane Receptors and Different Fluorophores in the Labeling Reactions. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 195	5.6	1
76	Irisin Reduces the Metabolic Rate of Beige Adipocytes. <i>Proceedings (mdpi)</i> , <b>2019</b> , 25, 13	0.3	
75	Atypical Chemokine Receptor 3 Generates Guidance Cues for CXCL12-Mediated Endothelial Cell Migration. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1092	8.4	3
74	VEGFR2 activation mediates the pro-angiogenic activity of BMP4. <i>Angiogenesis</i> , <b>2019</b> , 22, 521-533	10.6	18
73	Specific Targeting of KRAS Using a Novel High-Affinity KRAS Antisense Oligonucleotide in Multiple Myeloma. <i>Blood</i> , <b>2019</b> , 134, 3104-3104	2.2	1
72	Galactosylceramidase Deficiency Causes Bone Marrow Vascular Defects in an Animal Model of Krabbe Disease. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	2
71	Natural Histogel-Based Bio-Scaffolds for Sustaining Angiogenesis in Beige Adipose Tissue. <i>Cells</i> , <b>2019</b> , 8,	7.9	5
70	Claudin3 is localized outside the tight junctions in human carcinomas. <i>Oncotarget</i> , <b>2018</b> , 9, 18446-18453	3.3	4
69	Silencing of pantothenate kinase 2 reduces endothelial cell angiogenesis. <i>Molecular Medicine Reports</i> , <b>2018</b> , 18, 4739-4746	2.9	5
68	Modeling and Simulation of VEGF Receptors Recruitment in Angiogenesis. <i>Mathematical Problems in Engineering</i> , <b>2018</b> , 2018, 1-10	1.1	2
67	Inflammation and N-formyl peptide receptors mediate the angiogenic activity of human vitreous humour in proliferative diabetic retinopathy. <i>Diabetologia</i> , <b>2017</b> , 60, 719-728	10.3	26
66	Role of Autophagy in HIV-1 Matrix Protein p17-Driven Lymphangiogenesis. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	13
65	Multi-physics interactions drive VEGFR2 relocation on endothelial cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 16700	4.9	8
64	Tumor angiogenesis revisited: Regulators and clinical implications. <i>Medicinal Research Reviews</i> , <b>2017</b> , 37, 1231-1274	14.4	104
63	Vascular disrupting activity of combretastatin analogues. <i>Vascular Pharmacology</i> , <b>2016</b> , 83, 78-89	5.9	15

62	Cortical Structure Alterations and Social Behavior Impairment in p50-Deficient Mice. <i>Cerebral Cortex</i> , <b>2016</b> , 26, 2832-49	5.1	30
61	Annexin 2A sustains glioblastoma cell dissemination and proliferation. <i>Oncotarget</i> , <b>2016</b> , 7, 54632-54649	3.3	23
60	Monomeric gremlin is a novel vascular endothelial growth factor receptor-2 antagonist. <i>Oncotarget</i> , <b>2016</b> , 7, 35353-68	3.3	24
59	The Novel Antitubulin Agent TR-764 Strongly Reduces Tumor Vasculature and Inhibits HIF-1 $\beta$ Activation. <i>Scientific Reports</i> , <b>2016</b> , 6, 27886	4.9	6
58	Cellular aspartyl proteases promote the unconventional secretion of biologically active HIV-1 matrix protein p17. <i>Scientific Reports</i> , <b>2016</b> , 6, 38027	4.9	12
57	The Ferritin-Heavy-Polypeptide-Like-17 (FTHL17) gene encodes a ferritin with low stability and no ferroxidase activity and with a partial nuclear localization. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 1267-73	4	17
56	Design, synthesis, in vitro, and in vivo anticancer and antiangiogenic activity of novel 3-arylamino benzofuran derivatives targeting the colchicine site on tubulin. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 3209-22	8.3	37
55	Cavin-1 and Caveolin-1 are both required to support cell proliferation, migration and anchorage-independent cell growth in rhabdomyosarcoma. <i>Laboratory Investigation</i> , <b>2015</b> , 95, 585-602	5.9	24
54	$\beta$ Integrin Promotes Long-Lasting Activation and Polarization of Vascular Endothelial Growth Factor Receptor 2 by Immobilized Ligand. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2161-71	9.4	11
53	A tool for the quantification of radial neo-vessels in chick chorioallantoic membrane angiogenic assays. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2015</b> , 2015, 763-6	0.9	1
52	Evaluation of a novel human IgG1 anti-claudin3 antibody that specifically recognizes its aberrantly localized antigen in ovarian cancer cells and that is suitable for selective drug delivery. <i>Oncotarget</i> , <b>2015</b> , 6, 34617-28	3.3	10
51	Biosafe inertization of municipal solid waste incinerator residues by COSMOS technology. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 311-21	12.8	25
50	Cyclic adenosine monophosphate-response element-binding protein mediates the proangiogenic or proinflammatory activity of gremlin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 136-45	8.4	29
49	Phosphocaveolin-1 enforces tumor growth and chemoresistance in rhabdomyosarcoma. <i>PLoS ONE</i> , <b>2014</b> , 9, e84618	3.7	12
48	TR-644 a novel potent tubulin binding agent induces impairment of endothelial cells function and inhibits angiogenesis. <i>Angiogenesis</i> , <b>2013</b> , 16, 647-62	10.6	31
47	Involvement of $\alpha$ 5 $\beta$ 1 integrin in gremlin-induced angiogenesis. <i>Angiogenesis</i> , <b>2013</b> , 16, 235-43	10.6	36
46	Induction of death receptor 5 expression in tumor vasculature by perifosine restores the vascular disruption activity of TRAIL-expressing CD34(+) cells. <i>Angiogenesis</i> , <b>2013</b> , 16, 707-22	10.6	5
45	Nicotine-induced structural plasticity in mesencephalic dopaminergic neurons is mediated by dopamine D3 receptors and Akt-mTORC1 signaling. <i>Molecular Pharmacology</i> , <b>2013</b> , 83, 1176-89	4.3	49

44	IL-12-dependent innate immunity arrests endothelial cells in G0-G1 phase by a p21(Cip1/Waf1)-mediated mechanism. <i>Angiogenesis</i> , <b>2012</b> , 15, 713-25	10.6	4
43	Role of nanomechanics in canonical and noncanonical pro-angiogenic ligand/VEGF receptor-2 activation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14573-9	16.4	20
42	Anti-angiogenic activity of the flavonoid precursor 4-hydroxychalcone. <i>European Journal of Pharmacology</i> , <b>2012</b> , 691, 125-33	5.3	26
41	Sphingosine-1-phosphate receptor-1 controls venous endothelial barrier integrity in zebrafish. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, e104-16	9.4	22
40	Sialic acid associated with $\alpha 5 \beta 1$ integrin mediates HIV-1 Tat protein interaction and endothelial cell proangiogenic activation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 20456-66	5.4	22
39	Heparan sulfate proteoglycans mediate the angiogenic activity of the vascular endothelial growth factor receptor-2 agonist gremlin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, e116-27	9.4	51
38	The COOH-terminal peptide of platelet factor-4 variant (CXCL4L1/PF-4var47-70) strongly inhibits angiogenesis and suppresses B16 melanoma growth in vivo. <i>Molecular Cancer Research</i> , <b>2010</b> , 8, 322-34	6.6	34
37	Trichostatin A blocks type I interferon production by activated plasmacytoid dendritic cells. <i>Immunobiology</i> , <b>2010</b> , 215, 756-61	3.4	37
36	Gremlin is a novel agonist of the major proangiogenic receptor VEGFR2. <i>Blood</i> , <b>2010</b> , 116, 3677-80	2.2	139
35	Fibroblast growth factor 2-antagonist activity of a long-pentraxin 3-derived anti-angiogenic pentapeptide. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 2109-21	5.6	37
34	Nanoliter contact angle probes tumor angiogenic ligand-receptor protein interactions. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1571-5	11.8	11
33	Exploiting Surface Plasmon Resonance (SPR) Technology for the Identification of Fibroblast Growth Factor-2 (FGF2) Antagonists Endowed with Antiangiogenic Activity. <i>Sensors</i> , <b>2009</b> , 9, 6471-503	3.8	16
32	A pro-inflammatory signature mediates FGF2-induced angiogenesis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2083-2108	5.6	53
31	$\alpha 5 \beta 3$ Integrin-dependent antiangiogenic activity of resveratrol stereoisomers. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 3761-70	6.1	33
30	Modulation of angiogenesis by a tetrameric tripeptide that antagonizes vascular endothelial growth factor receptor 1. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 34250-9	5.4	29
29	Angiopoietin-1 mediates the proangiogenic activity of the bone morphogenic protein antagonist Drm. <i>Blood</i> , <b>2008</b> , 112, 1154-7	2.2	28
28	Fibroblast Growth Factor-2 in Angiogenesis <b>2008</b> , 77-88		2
27	Bone morphogenic protein antagonist Drm/gremlin is a novel proangiogenic factor. <i>Blood</i> , <b>2007</b> , 109, 1834-40	2.2	105

26	CEACAM1/VEGF cross-talk during neuroblastic tumour differentiation. <i>Journal of Pathology</i> , <b>2007</b> , 211, 541-549	9.4	6
25	Integrins: a flexible platform for endothelial vascular tyrosine kinase receptors. <i>Autoimmunity Reviews</i> , <b>2007</b> , 7, 18-22	13.6	15
24	Regulation of dendritic cell migration and adaptive immune response by leukotriene B4 receptors: a role for LTB4 in up-regulation of CCR7 expression and function. <i>Blood</i> , <b>2007</b> , 109, 626-31	2.2	103
23	Dendritic cell-endothelial cell cross-talk in angiogenesis. <i>Trends in Immunology</i> , <b>2007</b> , 28, 385-92	14.4	100
22	Type I collagen limits VEGFR-2 signaling by a SHP2 protein-tyrosine phosphatase-dependent mechanism 1. <i>Circulation Research</i> , <b>2006</b> , 98, 45-54	15.7	53
21	Cutting edge: extracellular high mobility group box-1 protein is a proangiogenic cytokine. <i>Journal of Immunology</i> , <b>2006</b> , 176, 12-5	5.3	193
20	Fibroblast growth factor/fibroblast growth factor receptor system in angiogenesis. <i>Cytokine and Growth Factor Reviews</i> , <b>2005</b> , 16, 159-78	17.9	1005
19	Inhibition of vascular endothelial growth factor receptor 2-mediated endothelial cell activation by Axl tyrosine kinase receptor. <i>Blood</i> , <b>2005</b> , 105, 1970-6	2.2	90
18	Antiangiogenic activity of semisynthetic biotechnological heparins: low-molecular-weight-sulfated Escherichia coli K5 polysaccharide derivatives as fibroblast growth factor antagonists. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 71-6	9.4	33
17	Integrin alphavbeta3 as a target for blocking HIV-1 Tat-induced endothelial cell activation in vitro and angiogenesis in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2315-20	9.4	38
16	Human immunodeficiency virus type 1 Tat regulates endothelial cell actin cytoskeletal dynamics through PAK1 activation and oxidant production. <i>Journal of Virology</i> , <b>2004</b> , 78, 779-89	6.6	52
15	Activation of diacylglycerol kinase alpha is required for VEGF-induced angiogenic signaling in vitro. <i>Oncogene</i> , <b>2004</b> , 23, 4828-38	9.2	62
14	Chemically sulfated Escherichia coli K5 polysaccharide derivatives as extracellular HIV-1 Tat protein antagonists. <i>FEBS Letters</i> , <b>2004</b> , 568, 171-7	3.8	47
13	CCL16 activates an angiogenic program in vascular endothelial cells. <i>Blood</i> , <b>2004</b> , 103, 40-9	2.2	73
12	Insulin-like growth factor binding protein-3 is overexpressed in endothelial cells of mouse breast tumor vessels. <i>International Journal of Cancer</i> , <b>2003</b> , 103, 577-86	7.5	25
11	IL-12 regulates an endothelial cell-lymphocyte network: effect on metalloproteinase-9 production. <i>Journal of Immunology</i> , <b>2003</b> , 171, 3725-33	5.3	49
10	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. <i>EMBO Reports</i> , <b>2001</b> , 2, 763-7	6.5	24
9	IL-12 inhibition of endothelial cell functions and angiogenesis depends on lymphocyte-endothelial cell cross-talk. <i>Journal of Immunology</i> , <b>2001</b> , 166, 3890-9	5.3	132

8	Nitric oxide modulates the angiogenic phenotype of middle-T transformed endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2001</b> , 33, 305-13	5.6	8
7	Interactions between endothelial cells and HIV-1. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2001</b> , 33, 371-90	5.6	53
6	Cu(II) and Zn(II) complexes with hyaluronic acid and its sulphated derivative. Effect on the motility of vascular endothelial cells. <i>Journal of Inorganic Biochemistry</i> , <b>2000</b> , 81, 229-37	4.2	23
5	Identification of specific molecular structures of human immunodeficiency virus type 1 Tat relevant for its biological effects on vascular endothelial cells. <i>Journal of Virology</i> , <b>2000</b> , 74, 344-53	6.6	58
4	Role of alphavbeta3 integrin in the activation of vascular endothelial growth factor receptor-2. <i>EMBO Journal</i> , <b>1999</b> , 18, 882-92	13	521
3	Tat $\beta$ Human Immunodeficiency Virus-1 Induces Human Monocyte Chemotaxis by Activation of Vascular Endothelial Growth Factor Receptor-1. <i>Blood</i> , <b>1997</b> , 90, 1365-1372	2.2	102
2	Nonenzymatically glycated albumin (Amadori adducts) enhances nitric oxide synthase activity and gene expression in endothelial cells. <i>Kidney International</i> , <b>1997</b> , 51, 27-35	9.9	61
1	Tat-human immunodeficiency virus-1 induces human monocyte chemotaxis by activation of vascular endothelial growth factor receptor-1. <i>Blood</i> , <b>1997</b> , 90, 1365-72	2.2	26