

# Sandra Donnini

## List of Publications by Year in descending order

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102  
papers

3,962  
citations

109264

35  
h-index

128225

60  
g-index

105  
all docs

105  
docs citations

105  
times ranked

5799  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitric oxide synthase lies downstream from vascular endothelial growth factor-induced but not basic fibroblast growth factor-induced angiogenesis.. Journal of Clinical Investigation, 1997, 99, 2625-2634.	3.9	824
2	Role of Nitric Oxide in the Modulation of Angiogenesis. Current Pharmaceutical Design, 2003, 9, 521-530.	0.9	161
3	The heparin binding 25 kDa fragment of thrombospondinâ€1 promotes angiogenesis and modulates gelatinase and TIMPâ€2 production in endothelial cells. FASEB Journal, 2000, 14, 1674-1676.	0.2	146
4	Prostaglandin E2 Regulates Angiogenesis via Activation of Fibroblast Growth Factor Receptor-1. Journal of Biological Chemistry, 2008, 283, 2139-2146.	1.6	104
5	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. Blood, 2000, 96, 2568-2573.	0.6	90
6	EP2 prostanoid receptor promotes squamous cell carcinoma growth through epidermal growth factor receptor transactivation and iNOS and ERK1/2 pathways. FASEB Journal, 2007, 21, 2418-2430.	0.2	86
7	Constitutive and Inducible Nitric Oxide Synthase: Role in Angiogenesis. Antioxidants and Redox Signaling, 2002, 4, 817-823.	2.5	85
8	Stemness marker ALDH1A1 promotes tumor angiogenesis via retinoic acid/HIF-1â€/VEGF signalling in MCF-7 breast cancer cells. Journal of Experimental and Clinical Cancer Research, 2018, 37, 311.	3.5	83
9	Aâ€ peptides accelerate the senescence of endothelial cells <i>in vitro</i> and <i>in vivo</i> , impairing angiogenesis. FASEB Journal, 2010, 24, 2385-2395.	0.2	79
10	Antiangiogenic properties of selected ruthenium(III) complexes that are nitric oxide scavengers. British Journal of Cancer, 2003, 88, 1484-1491.	2.9	78
11	Aquaporin Membrane Channels in Oxidative Stress, Cell Signaling, and Aging: Recent Advances and Research Trends. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-14.	1.9	74
12	Expression and localization of placenta growth factor and PlGF receptors in human meningiomas. , 1999, 189, 66-71.		73
13	Antiproliferative activity of new 1-aryl-4-amino-1H-pyrazolo[3,4-d]pyrimidine derivatives toward the human epidermoid carcinoma A431 cell line. European Journal of Medicinal Chemistry, 2004, 39, 939-946.	2.6	71
14	Divergent effects of quercetin conjugates on angiogenesis. British Journal of Nutrition, 2006, 95, 1016-1023.	1.2	71
15	Development of New Drugs in Angiogenesis. Current Drug Targets, 2004, 5, 485-493.	1.0	70
16	Cell-Mediated Delivery of Fibroblast Growth Factor-2 and Vascular Endothelial Growth Factor onto the Chick Chorioallantoic Membrane: Endothelial Fenestration and Angiogenesis. Journal of Vascular Research, 2001, 38, 389-397.	0.6	66
17	Inhibition of Hypoxia Inducible Factor-1â€ by Dihydroxyphenylethanol, a Product from Olive Oil, Blocks Microsomal Prostaglandin-E Synthase-1/Vascular Endothelial Growth Factor Expression and Reduces Tumor Angiogenesis. Clinical Cancer Research, 2010, 16, 4207-4216.	3.2	59
18	Effect of hypoxia and endothelial loss on vascular smooth muscle cell responsiveness to VEGF-A: role of flt-1/VEGF-receptor-1. Cardiovascular Research, 2002, 55, 201-212.	1.8	57

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19	Angiosuppressive and angiostimulatory effects exerted by synthetic partial sequences of endostatin. <i>Clinical Cancer Research</i> , 2003, 9, 5358-69.	3.2	57
20	Hydroxytyrosol, a product from olive oil, reduces colon cancer growth by enhancing epidermal growth factor receptor degradation. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 519-529.	1.5	56
21	Role of Nitric Oxide in Tumor Angiogenesis. <i>Cancer Treatment and Research</i> , 2004, 117, 155-167.	0.2	53
22	Peroxynitrite inactivates human $\alpha$ 2-macroglobulin. <i>FEBS Letters</i> , 2008, 582, 1135-1140.	1.3	49
23	Mitochondrial aldehyde dehydrogenase-2 activation prevents $\beta$ 2 amyloids induced endothelial cell dysfunction and restores angiogenesis. <i>Journal of Cell Science</i> , 2013, 126, 1952-61.	1.2	49
24	Physiological levels of amyloid peptides stimulate the angiogenic response through FGF-2. <i>FASEB Journal</i> , 2004, 18, 1943-1945.	0.2	48
25	ERK1-2 and p38 MAPK regulate MMP/TIMP balance and function in response to thrombospondin-1 fragments in the microvascular endothelium. <i>Life Sciences</i> , 2004, 74, 2975-2985.	2.0	48
26	Prostaglandin E 2 Primes the Angiogenic Switch via a Synergic Interaction With the Fibroblast Growth Factor-2 Pathway. <i>Circulation Research</i> , 2009, 105, 657-666.	2.0	48
27	Development of Phenol-Enriched Olive Oil with Phenolic Compounds Extracted from Wastewater Produced by Physical Refining. <i>Nutrients</i> , 2017, 9, 916.	1.7	44
28	$\beta$ PKC inhibition or $\delta$ PKC activation repairs endothelial vascular dysfunction by regulating eNOS post-translational modification. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 746-756.	0.9	43
29	Antagonism of Bradykinin B2 Receptor Prevents Inflammatory Responses in Human Endothelial Cells by Quenching the NF- $\kappa$ B Pathway Activation. <i>PLoS ONE</i> , 2014, 9, e84358.	1.1	42
30	Dutch and arctic mutant peptides of $\beta$ 2 amyloid1-40 differentially affect the FGF-2 pathway in brain endothelium. <i>Experimental Cell Research</i> , 2009, 315, 385-395.	1.2	39
31	Sulfhydryl Angiotensin-Converting Enzyme Inhibitor Promotes Endothelial Cell Survival through Nitric-Oxide Synthase, Fibroblast Growth Factor-2, and Telomerase Cross-Talk. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 332, 776-784.	1.3	39
32	mPGES-1 in prostate cancer controls stemness and amplifies epidermal growth factor receptor-driven oncogenicity. <i>Endocrine-Related Cancer</i> , 2015, 22, 665-678.	1.6	39
33	Pharmacological Inhibition of Microsomal Prostaglandin E Synthase-1 Suppresses Epidermal Growth Factor Receptor-Mediated Tumor Growth and Angiogenesis. <i>PLoS ONE</i> , 2012, 7, e40576.	1.1	39
34	The Nutraceutical Value of Olive Oil and Its Bioactive Constituents on the Cardiovascular System. Focusing on Main Strategies to Slow Down Its Quality Decay during Production and Storage. <i>Nutrients</i> , 2019, 11, 1962.	1.7	38
35	Pyrazolo-pyrimidine-derived c-Src inhibitor reduces angiogenesis and survival of squamous carcinoma cells by suppressing vascular endothelial growth factor production and signaling. <i>International Journal of Cancer</i> , 2006, 120, 995-1004.	2.3	37
36	PGE2/EP3/SRC signaling induces EGFR nuclear translocation and growth through EGFR ligands release in lung adenocarcinoma cells. <i>Oncotarget</i> , 2017, 8, 31270-31287.	0.8	36

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37	Fibroblast Growth Factor-2 Mediates Angiotensin-Converting Enzyme Inhibitor-Induced Angiogenesis in Coronary Endothelium. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 515-522.	1.3	35
38	FGF-2 overexpression opposes the beta amyloid toxic injuries to the vascular endothelium. <i>Cell Death and Differentiation</i> , 2006, 13, 1088-1096.	5.0	34
39	Exogenous BH4/Bcl-2 Peptide Reverts Coronary Endothelial Cell Apoptosis Induced by Oxidative Stress. <i>Journal of Vascular Research</i> , 2004, 41, 202-207.	0.6	33
40	ALDH3A1 Overexpression in Melanoma and Lung Tumors Drives Cancer Stem Cell Expansion, Impairing Immune Surveillance through Enhanced PD-L1 Output. <i>Cancers</i> , 2019, 11, 1963.	1.7	33
41	Prostaglandin E2 transactivates the colony-stimulating factor-1 receptor and synergizes with colony-stimulating factor-1 in the induction of macrophage migration via the mitogen-activated protein kinase ERK1/2. <i>FASEB Journal</i> , 2015, 29, 2545-2554.	0.2	30
42	Inhibition of cell cycle progression by the hydroxytyrosol-cetuximab combination yields enhanced chemotherapeutic efficacy in colon cancer cells. <i>Oncotarget</i> , 2017, 8, 83207-83224.	0.8	30
43	miR-574-5p as RNA decoy for CUGBP1 stimulates human lung tumor growth by mPGES-1 induction. <i>FASEB Journal</i> , 2019, 33, 6933-6947.	0.2	30
44	Formulation of liposomes functionalized with Lotus lectin and effective in targeting highly proliferative cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 860-870.	1.1	29
45	PKC $\mu$ activation promotes FGF-2 exocytosis and induces endothelial cell proliferation and sprouting. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 63, 107-117.	0.9	28
46	Prevention of ischemic brain injury by treatment with the membrane penetrating apoptosis inhibitor, TAT-BH4. <i>Cell Cycle</i> , 2009, 8, 1271-1278.	1.3	25
47	New Insights Into Blood-Brain Barrier Maintenance: The Homeostatic Role of $\beta$ -Amyloid Precursor Protein in Cerebral Vasculature. <i>Frontiers in Physiology</i> , 2020, 11, 1056.	1.3	25
48	EGFR signaling upregulates expression of microsomal prostaglandin E synthase-1 in cancer cells leading to enhanced tumorigenicity. <i>Oncogene</i> , 2012, 31, 3457-3466.	2.6	24
49	Linking microsomal prostaglandin E Synthase-1/PGE-2 pathway with miR-15a and miR-186 expression: Novel mechanism of VEGF modulation in prostate cancer. <i>Oncotarget</i> , 2016, 7, 44350-44364.	0.8	24
50	ALDH2 Activity Reduces Mitochondrial Oxygen Reserve Capacity in Endothelial Cells and Induces Senescence Properties. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	1.9	23
51	PGE2 mediates EGFR internalization and nuclear translocation via caveolin endocytosis promoting its transcriptional activity and proliferation in human NSCLC cells. <i>Oncotarget</i> , 2018, 9, 14939-14958.	0.8	23
52	Linomide blocks angiogenesis by breast carcinoma vascular endothelial growth factor transfectants. <i>British Journal of Cancer</i> , 1998, 77, 1123-1129.	2.9	21
53	Targeting endothelial-to-mesenchymal transition: the protective role of hydroxytyrosol sulfate metabolite. <i>European Journal of Nutrition</i> , 2020, 59, 517-527.	1.8	21
54	Opioid receptors beyond pain control: The role in cancer pathology and the debated importance of their pharmacological modulation. <i>Pharmacological Research</i> , 2020, 159, 104938.	3.1	21

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55	Monitoring Endothelial and Tissue Responses to Cobalt Ferrite Nanoparticles and Hybrid Hydrogels. PLoS ONE, 2016, 11, e0168727.	1.1	21
56	Targeting endothelial cell metabolism for cardio-protection from the toxicity of antitumor agents. Cardio-Oncology, 2016, 2, 3.	0.8	20
57	The effect of linomide on the migration and the proliferation of capillary endothelial cells elicited by vascular endothelial growth factor. British Journal of Pharmacology, 1996, 119, 619-621.	2.7	19
58	RNA-mediated gene silencing of FUT1 and FUT2 influences expression and activities of bovine and human fucosylated nucleolin and inhibits cell adhesion and proliferation. Journal of Cellular Biochemistry, 2010, 111, 229-238.	1.2	19
59	Evidence of $\beta$ -blockers drug repurposing for the treatment of triple negative breast cancer: A systematic review. Neoplasma, 2019, 66, 963-970.	0.7	19
60	Use of Nutraceuticals in Angiogenesis-Dependent Disorders. Molecules, 2018, 23, 2676.	1.7	16
61	Bradykinin B2 Receptor Contributes to Inflammatory Responses in Human Endothelial Cells by the Transactivation of the Fibroblast Growth Factor Receptor FGFR-1. International Journal of Molecular Sciences, 2018, 19, 2638.	1.8	16
62	Development of Fortified Citrus Olive Oils: From Their Production to Their Nutraceutical Properties on the Cardiovascular System. Nutrients, 2020, 12, 1557.	1.7	16
63	Nitric Oxide Releasing Metal-Diazeniumdiolate Complexes Strongly Induce Vasorelaxation and Endothelial Cell Proliferation. ChemMedChem, 2008, 3, 1039-1047.	1.6	15
64	Endothelial Aldehyde Dehydrogenase 2 as a Target to Maintain Vascular Wellness and Function in Ageing. Biomedicines, 2020, 8, 4.	1.4	15
65	TAT-BH4 counteracts $\text{A}\beta$ toxicity on capillary endothelium. FEBS Letters, 2007, 581, 702-706.	1.3	14
66	Yeast-Derived Recombinant Avenanthramides Inhibit Proliferation, Migration and Epithelial Mesenchymal Transition of Colon Cancer Cells. Nutrients, 2018, 10, 1159.	1.7	14
67	A novel protein from the serum of Python sebae, structurally homologous with type- $\beta$ phospholipase A2 inhibitor, displays antitumour activity. Biochemical Journal, 2011, 440, 251-262.	1.7	13
68	By-Products from Winemaking and Olive Mill Value Chains for the Enrichment of Refined Olive Oil: Technological Challenges and Nutraceutical Features. Foods, 2020, 9, 1390.	1.9	13
69	How to conjugate the stemness marker ALDH1A1 with tumor angiogenesis, progression, and drug resistance. , 2020, 3, 26-37.		12
70	Repurposing of drugs for triple negative breast cancer: an overview. Ecancermedicalsecience, 2020, 14, 1071.	0.6	12
71	Amyloid- $\beta$ Precursor Protein APP Down-Regulation Alters Actin Cytoskeleton-Interacting Proteins in Endothelial Cells. Cells, 2020, 9, 2506.	1.8	11
72	First-Line Pharmacotherapies and Survival among Patients Diagnosed with Non-Resectable NSCLC: A Real-Life Setting Study with Gender Prospective. Cancers, 2021, 13, 6129.	1.7	11

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73	ANG II potentiates mitogenic effect of norepinephrine in vascular muscle cells: role of FGF-2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H99-H107.	1.5	10
74	Linking of mPGES-1 and iNOS activates stem-like phenotype in EGFR-driven epithelial tumor cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 66, 17-29.	1.2	10
75	ALDH1A1 overexpression in melanoma cells promotes tumor angiogenesis by activating the IL-8/Notch signaling cascade. <i>International Journal of Molecular Medicine</i> , 2022, 50, .	1.8	10
76	Nitric oxide modulates the angiogenic phenotype of middle-T transformed endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2001, 33, 305-313.	1.2	8
77	Assessing Vascular Senescence in Zebrafish. <i>Methods in Molecular Biology</i> , 2013, 965, 517-531.	0.4	7
78	Involvement of Bradykinin B2 Receptor in Pathological Vascularization in Oxygen-Induced Retinopathy in Mice and Rabbit Cornea. <i>International Journal of Molecular Sciences</i> , 2018, 19, 330.	1.8	7
79	Therapeutic Implications of the Nitric Oxide Pathway in the Angiogenesis of Tumors and Inflammatory-Related Disorders. , 2019, , 65-91.		7
80	Hydrogen Peroxide Mediates Endothelium-Dependent Dilation of Coronary Arterioles in Obese Rats on a Low-Carbohydrate Diet. <i>Microcirculation</i> , 2013, 20, 599-608.	1.0	5
81	mPGES-1 as a new target to overcome acquired resistance to gefitinib in non-small cell lung cancer cell lines. <i>Prostaglandins and Other Lipid Mediators</i> , 2019, 143, 106344.	1.0	5
82	Real word evidence on rituximab utilization: Combining administrative and hospital-pharmacy data. <i>PLoS ONE</i> , 2020, 15, e0229973.	1.1	5
83	Molecular Mechanisms of Resistance to Anti-Angiogenic Drugs. <i>Critical Reviews in Oncogenesis</i> , 2021, 26, 39-66.	0.2	5
84	Studying Vascular Angiogenesis and Senescence in Zebrafish Embryos. <i>Methods in Molecular Biology</i> , 2016, 1430, 387-400.	0.4	4
85	Differential Contribution of Bradykinin Receptors in Angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2000, 476, 117-128.	0.8	4
86	Nitric Oxide and PGE-2 Cross-Talk in EGFR-Driven Epithelial Tumor Cells. <i>Critical Reviews in Oncogenesis</i> , 2016, 21, 325-331.	0.2	3
87	Targeting PGE2 Signaling in Tumor Progression and Angiogenesis. <i>Forum on Immunopathological Diseases and Therapeutics</i> , 2014, 5, 223-232.	0.1	3
88	Sex differences in the utilization of drugs for COVID-19 treatment among elderly residents in a sample of Italian nursing homes. <i>Pharmacoepidemiology and Drug Safety</i> , 2022, 31, 489-494.	0.9	3
89	Dbl oncogene expression in MCF-10 A epithelial cells disrupts mammary acinar architecture, induces EMT and angiogenic factor secretion. <i>Cell Cycle</i> , 2015, 14, 1426-1437.	1.3	2
90	Oxidative Stress and Membrane Transport Systems. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-2.	1.9	2

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91	Real-World Utilization of Target- and Immunotherapies for Lung Cancer: A Scoping Review of Studies Based on Routinely Collected Electronic Healthcare Data. International Journal of Environmental Research and Public Health, 2021, 18, 7679.	1.2	2
92	Molecular Mechanisms of VEGF-Induced Angiogenesis. , 2004, , 19-25.		2
93	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. Blood, 2000, 96, 2568-2573.	0.6	2
94	Late Breaking Science posters657Aldehyde Dehydrogenase2 regulates senescence in the vascular endothelium658Monoamine oxidase is over-activated in the left and right ventricles from human ischemic hearts: an intriguing therapeutic target659A novel assay for regulating transcription factors by flow660Remote ischaemic conditioning reduces infarct size in animal in vivo models of ischaemia-reperfusion injury: a systematic review and meta-analysis661The Role of Histone Methyl-transferase G9a in Heart Homeostasis. Cardiovascular Research, 2016, 111, S117-S119.	1.8	1
95	Antiangiogenic drugs: Chemosensitizers for combination cancer therapy. , 2022, , 29-66.		1
96	Abstract 1130: mPGES-1 drives the oncogenic potential of EGFR signaling. , 2011, , .		0
97	Targeting Integrins in Cancer. Forum on Immunopathological Diseases and Therapeutics, 2014, 5, 233-241.	0.1	0
98	Real word evidence on rituximab utilization: Combining administrative and hospital-pharmacy data. , 2020, 15, e0229973.		0
99	Real word evidence on rituximab utilization: Combining administrative and hospital-pharmacy data. , 2020, 15, e0229973.		0
100	Real word evidence on rituximab utilization: Combining administrative and hospital-pharmacy data. , 2020, 15, e0229973.		0
101	Real word evidence on rituximab utilization: Combining administrative and hospital-pharmacy data. , 2020, 15, e0229973.		0
102	Development and validation of a case-finding algorithm for the identification of non-small cell lung cancers in a region-wide Italian pathology registry. PLoS ONE, 2022, 17, e0269232.	1.1	0