

Lucia Morbidelli

List of Publications by Citations

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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.

126
papers

5,161
citations

39
h-index

69
g-index

131
ext. papers

5,660
ext. citations

5.2
avg, IF

5.4
L-index

#	Paper	IF	Citations
126	Role of nitric oxide in angiogenesis and tumor progression in head and neck cancer. <i>Journal of the National Cancer Institute</i> , 1998 , 90, 587-96	9.7	373
125	VEGF165b, an inhibitory vascular endothelial growth factor splice variant: mechanism of action, in vivo effect on angiogenesis and endogenous protein expression. <i>Cancer Research</i> , 2004 , 64, 7822-35	10.1	370
124	Nitric oxide is an upstream signal of vascular endothelial growth factor-induced extracellular signal-regulated kinase1/2 activation in postcapillary endothelium. <i>Journal of Biological Chemistry</i> , 1998 , 273, 4220-6	5.4	340
123	Nitric oxide and angiogenesis. <i>Journal of Neuro-Oncology</i> , 2000 , 50, 139-48	4.8	263
122	Substance P stimulates neovascularization in vivo and proliferation of cultured endothelial cells. <i>Microvascular Research</i> , 1990 , 40, 264-78	3.7	244
121	Luteolin inhibits vascular endothelial growth factor-induced angiogenesis; inhibition of endothelial cell survival and proliferation by targeting phosphatidylinositol 3-kinase activity. <i>Cancer Research</i> , 2004 , 64, 7936-46	10.1	171
120	Analysis of the role of chemokines in angiogenesis. <i>Journal of Immunological Methods</i> , 2003 , 273, 83-101	2.5	161
119	The heparin binding 25 kDa fragment of thrombospondin-1 promotes angiogenesis and modulates gelatinase and TIMP-2 production in endothelial cells. <i>FASEB Journal</i> , 2000 , 14, 1674-6	0.9	137
118	The bradykinin/B1 receptor promotes angiogenesis by up-regulation of endogenous FGF-2 in endothelium via the nitric oxide synthase pathway. <i>FASEB Journal</i> , 2001 , 15, 1487-1489	0.9	137
117	Role of nitric oxide in the modulation of angiogenesis. <i>Current Pharmaceutical Design</i> , 2003 , 9, 521-30	3.3	135
116	The effect of hydroxyapatite nanocrystals on microvascular endothelial cell viability and functions. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 656-63	5.4	94
115	Prostaglandin E2 regulates angiogenesis via activation of fibroblast growth factor receptor-1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2139-46	5.4	90
114	NK1-receptors mediate the proliferative response of human fibroblasts to tachykinins. <i>British Journal of Pharmacology</i> , 1990 , 100, 11-4	8.6	84
113	Endothelial cells in culture: a model for studying vascular functions. <i>Pharmacological Research</i> , 2000 , 42, 9-19	10.2	83
112	The impact of microgravity and hypergravity on endothelial cells. <i>BioMed Research International</i> , 2015 , 2015, 434803	3	81
111	Functional and pharmacological characterization of a VEGF mimetic peptide on reparative angiogenesis. <i>Biochemical Pharmacology</i> , 2012 , 84, 303-11	6	80
110	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. <i>Blood</i> , 2000 , 96, 4039-4045	2.2	80

109	EP2 prostanoid receptor promotes squamous cell carcinoma growth through epidermal growth factor receptor transactivation and iNOS and ERK1/2 pathways. <i>FASEB Journal</i> , 2007 , 21, 2418-30	0.9	79
108	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. <i>Blood</i> , 2000 , 96, 2568-2573	7.6	76
107	B1 receptor involvement in the effect of bradykinin on venular endothelial cell proliferation and potentiation of FGF-2 effects. <i>British Journal of Pharmacology</i> , 1998 , 124, 1286-92	8.6	71
106	Divergent effects of quercetin conjugates on angiogenesis. <i>British Journal of Nutrition</i> , 2006 , 95, 1016-23	3.6	65
105	Development of new drugs in angiogenesis. <i>Current Drug Targets</i> , 2004 , 5, 485-93	3	63
104	The natural compound n-butylidenephthalide derived from the volatile oil of Radix Angelica sinensis inhibits angiogenesis in vitro and in vivo. <i>Angiogenesis</i> , 2011 , 14, 187-97	10.6	61
103	Simulated hypogravity impairs the angiogenic response of endothelium by up-regulating apoptotic signals. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 334, 491-9	3.4	61
102	VEGF induces signalling and angiogenesis by directing VEGFR2 internalisation through macropinocytosis. <i>Journal of Cell Science</i> , 2016 , 129, 4091-4104	5.3	61
101	Cell-mediated delivery of fibroblast growth factor-2 and vascular endothelial growth factor onto the chick chorioallantoic membrane: endothelial fenestration and angiogenesis. <i>Journal of Vascular Research</i> , 2001 , 38, 389-97	1.9	60
100	N-myc oncogene overexpression down-regulates IL-6; evidence that IL-6 inhibits angiogenesis and suppresses neuroblastoma tumor growth. <i>Oncogene</i> , 2002 , 21, 3552-61	9.2	59
99	Genetic and pharmacologic inactivation of cannabinoid CB1 receptor inhibits angiogenesis. <i>Blood</i> , 2011 , 117, 5541-50	2.2	56
98	Nanostructured HA crystals up-regulate FGF-2 expression and activity in microvascular endothelium promoting angiogenesis. <i>Bone</i> , 2007 , 41, 523-34	4.7	53
97	Hepatocyte growth factor and inducible nitric oxide synthase are involved in multidrug resistance-induced angiogenesis in hepatocellular carcinoma cell lines. <i>Cancer Research</i> , 2006 , 66, 2673-82	10.1	52
96	Angiosuppressive and angiostimulatory effects exerted by synthetic partial sequences of endostatin. <i>Clinical Cancer Research</i> , 2003 , 9, 5358-69	12.9	52
95	Molecular regulation of tumour angiogenesis by nitric oxide. <i>European Cytokine Network</i> , 2009 , 20, 164-70	3.9	51
94	Protective effect of 4-coumaric acid from UVB ray damage in the rabbit eye. <i>Toxicology</i> , 2009 , 255, 1-5	4.4	46
93	Prostaglandin E(2) primes the angiogenic switch via a synergic interaction with the fibroblast growth factor-2 pathway. <i>Circulation Research</i> , 2009 , 105, 657-66	15.7	45
92	Physiological levels of amyloid peptides stimulate the angiogenic response through FGF-2. <i>FASEB Journal</i> , 2004 , 18, 1943-5	0.9	44

91	Stemness marker ALDH1A1 promotes tumor angiogenesis via retinoic acid/HIF-1/VEGF signalling in MCF-7 breast cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018 , 37, 311	12.8	43
90	Peroxynitrite inactivates human-tissue inhibitor of metalloproteinase-4. <i>FEBS Letters</i> , 2008 , 582, 1135-40	9.8	42
89	Role of nitric oxide in tumor angiogenesis. <i>Cancer Treatment and Research</i> , 2004 , 117, 155-67	3.5	42
88	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, 2975-85	6.8	39
87	Pharmacological inhibition of MAGL attenuates experimental colon carcinogenesis. <i>Pharmacological Research</i> , 2017 , 119, 227-236	10.2	38
86	The sulphhydryl containing ACE inhibitor Zofenoprilat protects coronary endothelium from Doxorubicin-induced apoptosis. <i>Pharmacological Research</i> , 2013 , 76, 171-81	10.2	33
85	Sulphydryl 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, 776-84	4.7	32
84	Fibroblast growth factor-2 mediates Angiotensin-converting enzyme inhibitor-induced angiogenesis in coronary endothelium. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 319, 515-22	4.7	31
83	Polyphenol-based nutraceuticals for the control of angiogenesis: Analysis of the critical issues for human use. <i>Pharmacological Research</i> , 2016 , 111, 384-393	10.2	30
82	Antiangiogenic Effectiveness of the Urokinase Receptor-Derived Peptide UPARANT in a Model of Oxygen-Induced Retinopathy 2015 , 56, 2392-407		29
81	Hydrocaffeic and p-coumaric acids, natural phenolic compounds, inhibit UV-B damage in WKD human conjunctival cells in vitro and rabbit eye in vivo. <i>Free Radical Research</i> , 2008 , 42, 903-10	4	29
80	The soluble guanylyl cyclase inhibitor NS-2028 reduces vascular endothelial growth factor-induced angiogenesis and permeability. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R824-32	3.2	27
79	Synthesis of 1-(2-chloro-2-phenylethyl)-6-methylthio-1H-pyrazolo[3,4-d]pyrimidines 4-amino substituted and their biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2004 , 39, 153-60	6.8	27
78	HS dependent and independent anti-inflammatory activity of zofenoprilat in cells of the vascular wall. <i>Pharmacological Research</i> , 2016 , 113, 426-437	10.2	27
77	Circulating Metabolites Originating from Gut Microbiota Control Endothelial Cell Function. <i>Molecules</i> , 2019 , 24,	4.8	26
76	A proangiogenic peptide derived from vascular endothelial growth factor receptor-1 acts through alpha5beta1 integrin. <i>Blood</i> , 2008 , 111, 3479-88	2.2	25
75	PKC β activation promotes FGF-2 exocytosis and induces endothelial cell proliferation and sprouting. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 63, 107-17	5.8	24
74	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> , 2000 , 81, 229-37	4.2	23

73	Structure-activity relationships, biological evaluation and structural studies of novel pyrrolonaphthoxazepines as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2019 , 162, 290-320	6.8	21
72	Monitoring Endothelial and Tissue Responses to Cobalt Ferrite Nanoparticles and Hybrid Hydrogels. <i>PLoS ONE</i> , 2016 , 11, e0168727	3.7	19
71	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,	6.6	19
70	PKG-I inhibition attenuates vascular endothelial growth factor-stimulated angiogenesis. <i>Vascular Pharmacology</i> , 2010 , 53, 215-22	5.9	18
69	The effect of linomide on the migration and the proliferation of capillary endothelial cells elicited by vascular endothelial growth factor. <i>British Journal of Pharmacology</i> , 1996 , 119, 619-21	8.6	18
68	Miniaturizing VEGF: Peptides mimicking the discontinuous VEGF receptor-binding site modulate the angiogenic response. <i>Scientific Reports</i> , 2016 , 6, 31295	4.9	18
67	Therapeutic Potential of Anti-Angiogenic Multitarget N,O-Sulfated E. Coli K5 Polysaccharide in Diabetic Retinopathy. <i>Diabetes</i> , 2015 , 64, 2581-92	0.9	17
66	Protective effects of novel metal-nonoates on the cellular components of the vascular system. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 351, 500-9	4.7	17
65	The isoflavone metabolite 6-methoxyequol inhibits angiogenesis and suppresses tumor growth. <i>Molecular Cancer</i> , 2012 , 11, 35	42.1	17
64	An in Vitro Study on Tissue Repair: Impact of Unloading on Cells Involved in the Remodelling Phase. <i>Microgravity Science and Technology</i> , 2011 , 23, 391-401	1.6	17
63	Hypergravity affects morphology and function in microvascular endothelial cells. <i>Microgravity Science and Technology</i> , 2006 , 18, 234-238	1.6	17
62	Development of novel cyclic peptides as pro-apoptotic agents. <i>European Journal of Medicinal Chemistry</i> , 2016 , 117, 301-20	6.8	16
61	Targeting endothelial cell metabolism for cardio-protection from the toxicity of antitumor agents. <i>Cardio-Oncology</i> , 2016 , 2, 3	2.8	15
60	Calcitonin gene-related peptide selectively increases cAMP levels in the guinea-pig ureter. <i>European Journal of Pharmacology</i> , 1995 , 289, 17-21		15
59	Targeting endothelial-to-mesenchymal transition: the protective role of hydroxytyrosol sulfate metabolite. <i>European Journal of Nutrition</i> , 2020 , 59, 517-527	5.2	15
58	Pharmacological Inhibition of CA-IX Impairs Tumor Cell Proliferation, Migration and Invasiveness. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	14
57	Endothelial cell migration is induced by soluble P-selectin. <i>Life Sciences</i> , 1998 , 62, PL7-11	6.8	14
56	Nitric oxide releasing metal-diazeniumdiolate complexes strongly induce vasorelaxation and endothelial cell proliferation. <i>ChemMedChem</i> , 2008 , 3, 1039-47	3.7	14

55	A non-peptide NK1 receptor agonist showing subpicomolar affinity. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 1315-8	8.3	14
54	Role of calcium in angiotensin II-induced prostaglandin release and DNA synthesis in rat vascular smooth muscle cells. <i>Journal of Cardiovascular Pharmacology</i> , 1996 , 27, 195-200	3.1	14
53	Use of Nutraceuticals in Angiogenesis-Dependent Disorders. <i>Molecules</i> , 2018 , 23,	4.8	14
52	Modeled Microgravity Affects Fibroblast Functions Related to Wound Healing. <i>Microgravity Science and Technology</i> , 2017 , 29, 121-132	1.6	13
51	Efficacy of AdipoDren [®] in Reducing Interleukin-1-Induced Lymphatic Endothelial Hyperpermeability. <i>Journal of Vascular Research</i> , 2016 , 53, 255-268	1.9	13
50	The metal-nonoate Ni(SalPipNONO) inhibits tumor growth, invasiveness and angiogenesis. <i>Oncotarget</i> , 2018 , 9, 13353-13365	3.3	13
49	Cross-talk between endogenous HS and NO accounts for vascular protective activity of the metal-nonoate Zn(PipNONO)Cl. <i>Biochemical Pharmacology</i> , 2018 , 152, 143-152	6	12
48	Comparison of the Effect of Two Hyaluronic Acid Preparations on Fibroblast and Endothelial Cell Functions Related to Angiogenesis. <i>Cells</i> , 2019 , 8,	7.9	12
47	Cerebral circulation time is prolonged and not correlated with EDSS in multiple sclerosis patients: a study using digital subtracted angiography. <i>PLoS ONE</i> , 2015 , 10, e0116681	3.7	11
46	Effect of Hypergravity on Endothelial Cell Function and Gene Expression. <i>Microgravity Science and Technology</i> , 2009 , 21, 135-140	1.6	11
45	Anti-hypertensive property of a nickel-piperazine/NO donor in spontaneously hypertensive rats. <i>Pharmacological Research</i> , 2016 , 107, 352-359	10.2	11
44	Effect of NIR laser therapy by MLS-MiS source against neuropathic pain in rats: in vivo and ex vivo analysis. <i>Scientific Reports</i> , 2019 , 9, 9297	4.9	10
43	Distinct capillary density and progression promoted by vascular endothelial growth factor-A homodimers and heterodimers. <i>Angiogenesis</i> , 1997 , 1, 117-30	10.6	10
42	The corneal pocket assay. <i>Methods in Molecular Biology</i> , 2009 , 467, 319-29	1.4	10
41	Peptides derived from the histidine-proline rich glycoprotein bind copper ions and exhibit anti-angiogenic properties. <i>Dalton Transactions</i> , 2018 , 47, 9492-9503	4.3	10
40	Nitric oxide modulates the angiogenic phenotype of middle-T transformed endothelial cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2001 , 33, 305-13	5.6	8
39	Impaired Cerebral Perfusion in Multiple Sclerosis: Relevance of Endothelial Factors. <i>Biomarker Insights</i> , 2018 , 13, 1177271918774800	3.5	8
38	Effect of Unloading Condition on the Healing Process and Effectiveness of Platelet Rich Plasma as a Countermeasure: Study on In Vivo and In Vitro Wound Healing Models. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7

37	Endothelial Aldehyde Dehydrogenase 2 as a Target to Maintain Vascular Wellness and Function in Ageing. <i>Biomedicines</i> , 2020 , 8,	4.8	6
36	Influence of Circulating Endothelin-1 and Asymmetric Dimethylarginine on Whole Brain Circulation Time in Multiple Sclerosis. <i>Biomarker Insights</i> , 2017 , 12, 1177271917712514	3.5	6
35	Endothelium as a Source and Target of HS to Improve Its Trophism and Function. <i>Antioxidants</i> , 2021 , 10,	7.1	6
34	Effect of Microgravity on Endothelial Cell Function, Angiogenesis, and Vessel Remodeling During Wound Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 720091	5.8	6
33	Therapeutic Implications of the Nitric Oxide Pathway in the Angiogenesis of Tumors and Inflammatory-Related Disorders 2019 , 65-91		5
32	Neuronal effects of a nickel-piperazine/NO donor complex in rodents. <i>Pharmacological Research</i> , 2015 , 99, 162-73	10.2	5
31	The Rabbit Corneal Pocket Assay. <i>Methods in Molecular Biology</i> , 2016 , 1430, 299-310	1.4	5
30	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,	6.3	5
29	How to conjugate the stemness marker ALDH1A1 with tumor angiogenesis, progression, and drug resistance. 2020 , 3, 26-37		5
28	The Effect of Space Travel on Bone Metabolism: Considerations on Today's Major Challenges and Advances in Pharmacology. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
27	Therapeutic Potential of Nitric Oxide Donors in Cancer: Focus on Angiogenesis. <i>Critical Reviews in Oncogenesis</i> , 2016 , 21, 447-458	1.3	4
26	Effect of Carbonic Anhydrase IX inhibitors on human endothelial cell survival. <i>Pharmacological Research</i> , 2020 , 159, 104964	10.2	4
25	Non-peptide NK1 receptor ligands based on the 4-phenylpyridine moiety. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 2242-51	3.4	4
24	The corneal pocket assay. <i>Methods in Molecular Biology</i> , 2015 , 1214, 15-28	1.4	4
23	The HS-Donor Erucin Exhibits Protective Effects against Vascular Inflammation in Human Endothelial and Smooth Muscle Cells. <i>Antioxidants</i> , 2021 , 10,	7.1	4
22	The rabbit corneal pocket assay for the study of angiogenesis. <i>Cancer Treatment and Research</i> , 2004 , 117, 147-51	3.5	4
21	Differential contribution of bradykinin receptors in angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2000 , 476, 117-28	3.6	4
20	The Future of Personalized Medicine in Space: From Observations to Countermeasures.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 739747	5.8	4

19	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	3.7	3
18	In vitro and in vivo models to study chemokine regulation of angiogenesis. <i>Methods in Molecular Biology</i> , 2004 , 239, 223-32	1.4	3
17	Effect of NIR Laser Therapy by MLS-MiS Source on Fibroblast Activation by Inflammatory Cytokines in Relation to Wound Healing. <i>Biomedicines</i> , 2021 , 9,	4.8	3
16	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. <i>Blood</i> , 2000 , 96, 2568-2573	2.2	2
15	Pharmacological Tools for the Study of HS Contribution to Angiogenesis. <i>Methods in Molecular Biology</i> , 2019 , 2007, 151-166	1.4	1
14	Determination of angiogenesis-regulating properties of NO. <i>Methods in Enzymology</i> , 2002 , 352, 407-21	1.7	1
13	The Rat and the Rabbit Cornea Assay 1998 , 39-46		1
12	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. <i>Blood</i> , 2000 , 96, 4039-4045	2.2	1
11	Corneal Angiogenesis Assay 2004 , 263-272		1
10	Studying Angiogenesis in the Rabbit Corneal Pocket Assay. <i>Methods in Molecular Biology</i> , 2021 , 2206, 89-101	1.4	1
9	Molecular Mechanisms of VEGF-Induced Angiogenesis 2004 , 19-25		1
8	Antiangiogenic drugs: Chemosensitizers for combination cancer therapy 2022 , 29-66		0
7	Characterization of the Safety Profile of Sweet Chestnut Wood Distillate Employed in Agriculture. <i>Safety</i> , 2021 , 7, 79	1.7	0
6	Molecular Mechanisms of Resistance to Anti-Angiogenic Drugs. <i>Critical Reviews in Oncogenesis</i> , 2021 , 26, 39-66	1.3	0
5	Antitumor Effect of a Metal-Nonoate Through Angiogenesis Impairment 2019 , 59-64		
4	General conclusions and future perspectives 2022 , 241-260		
3	Interaction of Neutrophils with Endothelial Cells, Fibroblasts and Their Extracellular Matrices: Microscopic and Computerised Analysis. <i>ATLA Alternatives To Laboratory Animals</i> , 1988 , 16, 48-53	2.1	
2	Design of Pharmacological and Diagnostic Strategies for Angiogenesis-Dependent Diseases 2002 , 517-526		

- 1 Corneal Pocket Assay **2012**, 285-304