Lucia Morbidelli

List of Publications by Year
in descending order

128	6,216	71102	74163
papers	citations	41 h-index	75 g-index

131	131	131	8021
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antiangiogenic drugs: Chemosensitizers for combination cancer therapy. , 2022, , 29-66.		1
2	General conclusions and future perspectives. , 2022, , 241-260.		0
3	Physiological adaptations affecting drug pharmacokinetics in space: what do we really know? A critical review of the literature. British Journal of Pharmacology, 2022, 179, 2538-2557.	5.4	11
4	ALDH1A1 overexpression in melanoma cells promotes tumor angiogenesis by activating the ILâ€8/Notch signaling cascade. International Journal of Molecular Medicine, 2022, 50, .	4.0	10
5	Endothelium as a Source and Target of H2S to Improve Its Trophism and Function. Antioxidants, 2021, 10, 486.	5.1	21
6	Effect of NIR Laser Therapy by MLS-MiS Source on Fibroblast Activation by Inflammatory Cytokines in Relation to Wound Healing. Biomedicines, 2021, 9, 307.	3.2	8
7	The Effect of Space Travel on Bone Metabolism: Considerations on Todayâ€™s Major Challenges and Advances in Pharmacology. International Journal of Molecular Sciences, 2021, 22, 4585.	4.1	22
8	The H2S-Donor Erucin Exhibits Protective Effects against Vascular Inflammation in Human Endothelial and Smooth Muscle Cells. Antioxidants, 2021, 10, 961.	5.1	24
9	Effect of Microgravity on Endothelial Cell Function, Angiogenesis, and Vessel Remodeling During Wound Healing. Frontiers in Bioengineering and Biotechnology, 2021, 9, 720091.	4.1	25
10	Molecular Mechanisms of Resistance to Anti-Angiogenic Drugs. Critical Reviews in Oncogenesis, 2021, 26, 39-66.	0.4	5
11	Studying Angiogenesis in the Rabbit Corneal Pocket Assay. Methods in Molecular Biology, 2021, 2206, 89-101.	0.9	1
12	Characterization of the Safety Profile of Sweet Chestnut Wood Distillate Employed in Agriculture. Safety, 2021, 7, 79.	1.7	6
13	The Future of Personalized Medicine in Space: From Observations to Countermeasures. Frontiers in Bioengineering and Biotechnology, 2021, 9, 739747.	4.1	26
14	Targeting endothelial-to-mesenchymal transition: the protective role of hydroxytyrosol sulfate metabolite. European Journal of Nutrition, 2020, 59, 517-527.	3.9	21
15	Effect of Carbonic Anhydrase IX inhibitors on human endothelial cell survival. Pharmacological Research, 2020, 159, 104964.	7.1	9
16	Endothelial Aldehyde Dehydrogenase 2 as a Target to Maintain Vascular Wellness and Function in Ageing. Biomedicines, 2020, 8, 4.	3.2	15
17	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. International Journal of Molecular Sciences, 2020, 21, 407.	4.1	24
18	Pharmacological Inhibition of CA-IX Impairs Tumor Cell Proliferation, Migration and Invasiveness. International Journal of Molecular Sciences, 2020, 21, 2983.	4.1	25

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19	How to conjugate the stemness marker ALDH1A1 with tumor angiogenesis, progression, and drug resistance. , 2020, 3, 26-37.		12
20	Effect of NIR laser therapy by MLS-MiS source against neuropathic pain in rats: in vivo and ex vivo analysis. Scientific Reports, 2019, 9, 9297.	3.3	13
21	Circulating Metabolites Originating from Gut Microbiota Control Endothelial Cell Function. Molecules, 2019, 24, 3992.	3.8	54
22	mPGES-1 as a new target to overcome acquired resistance to gefitinib in non-small cell lung cancer cell lines. Prostaglandins and Other Lipid Mediators, 2019, 143, 106344.	1.9	5
23	Pharmacological Tools for the Study of H2S Contribution to Angiogenesis. Methods in Molecular Biology, 2019, 2007, 151-166.	0.9	1
24	Antitumor Effect of a Metal-Nonoate Through Angiogenesis Impairment. , 2019, , 59-64.		0
25	Therapeutic Implications of the Nitric Oxide Pathway in the Angiogenesis of Tumors and Inflammatory-Related Disorders. , 2019, , 65-91.		7
26	Comparison of the Effect of Two Hyaluronic Acid Preparations on Fibroblast and Endothelial Cell Functions Related to Angiogenesis. Cells, 2019, 8, 1479.	4.1	25
27	ALDH3A1 Overexpression in Melanoma and Lung Tumors Drives Cancer Stem Cell Expansion, Impairing Immune Surveillance through Enhanced PD-L1 Output. Cancers, 2019, 11, 1963.	3.7	33
28	Structure-activity relationships, biological evaluation and structural studies of novel pyrrolonaphthoxazepines as antitumor agents. European Journal of Medicinal Chemistry, 2019, 162, 290-320.	5.5	31
29	Cross-talk between endogenous H 2 S and NO accounts for vascular protective activity of the metal-nonoate Zn(PipNONO)Cl. Biochemical Pharmacology, 2018, 152, 143-152.	4.4	21
30	Stemness marker ALDH1A1 promotes tumor angiogenesis via retinoic acid/HIF-1Î±/VEGF signalling in MCF-7 breast cancer cells. Journal of Experimental and Clinical Cancer Research, 2018, 37, 311.	8.6	83
31	Use of Nutraceuticals in Angiogenesis-Dependent Disorders. Molecules, 2018, 23, 2676.	3.8	16
32	Impaired Cerebral Perfusion in Multiple Sclerosis: Relevance of Endothelial Factors. Biomarker Insights, 2018, 13, 117727191877480.	2.5	14
33	Peptides derived from the histidineâ€“proline rich glycoprotein bind copper ions and exhibit anti-angiogenic properties. Dalton Transactions, 2018, 47, 9492-9503.	3.3	17
34	Involvement of Bradykinin B2 Receptor in Pathological Vascularization in Oxygen-Induced Retinopathy in Mice and Rabbit Cornea. International Journal of Molecular Sciences, 2018, 19, 330.	4.1	7
35	The metal-nonoate Ni(SalPipNONO) inhibits in vitro tumor growth, invasiveness and angiogenesis. Oncotarget, 2018, 9, 13353-13365.	1.8	17
36	Pharmacological inhibition of MAGL attenuates experimental colon carcinogenesis. Pharmacological Research, 2017, 119, 227-236.	7.1	53

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37	Modeled Microgravity Affects Fibroblast Functions Related to Wound Healing. Microgravity Science and Technology, 2017, 29, 121-132.	1.4	27
38	Influence of Circulating Endothelin-1 and Asymmetric Dimethylarginine on Whole Brain Circulation Time in Multiple Sclerosis. Biomarker Insights, 2017, 12, 117727191771251.	2.5	9
39	Therapeutic Potential of Nitric Oxide Donors in Cancer: Focus on Angiogenesis. Critical Reviews in Oncogenesis, 2016, 21, 447-458.	0.4	7
40	Miniaturizing VEGF: Peptides mimicking the discontinuous VEGF receptor-binding site modulate the angiogenic response. Scientific Reports, 2016, 6, 31295.	3.3	21
41	Development of novel cyclic peptides as pro-apoptotic agents. European Journal of Medicinal Chemistry, 2016, 117, 301-320.	5.5	26
42	Anti-hypertensive property of a nickel-piperazine/NO donor in spontaneously hypertensive rats. Pharmacological Research, 2016, 107, 352-359.	7.1	17
43	H2S dependent and independent anti-inflammatory activity of zofenoprilat in cells of the vascular wall. Pharmacological Research, 2016, 113, 426-437.	7.1	38
44	VEGF induces signalling and angiogenesis by directing VEGFR2 internalisation via macropinocytosis.. Journal of Cell Science, 2016, 129, 4091-4104.	2.0	80
45	Polyphenol-based nutraceuticals for the control of angiogenesis: Analysis of the critical issues for human use. Pharmacological Research, 2016, 111, 384-393.	7.1	36
46	Efficacy of AdipoDrenÂ® in Reducing Interleukin-1-Induced Lymphatic Endothelial Hyperpermeability. Journal of Vascular Research, 2016, 53, 255-268.	1.4	17
47	Targeting endothelial cell metabolism for cardio-protection from the toxicity of antitumor agents. Cardio-Oncology, 2016, 2, 3.	1.7	20
48	The Rabbit Corneal Pocket Assay. Methods in Molecular Biology, 2016, 1430, 299-310.	0.9	5
49	Monitoring Endothelial and Tissue Responses to Cobalt Ferrite Nanoparticles and Hybrid Hydrogels. PLoS ONE, 2016, 11, e0168727.	2.5	21
50	Antiangiogenic Effectiveness of the Urokinase Receptor-Derived Peptide UPARANT in a Model of Oxygen-Induced Retinopathy. , 2015, 56, 2392.		31
51	Cerebral Circulation Time is Prolonged and Not Correlated with EDSS in Multiple Sclerosis Patients: A Study Using Digital Subtracted Angiography. PLoS ONE, 2015, 10, e0116681.	2.5	14
52	The Impact of Microgravity and Hypergravity on Endothelial Cells. BioMed Research International, 2015, 2015, 1-13.	1.9	103
53	Therapeutic Potential of Anti-Angiogenic Multitarget N,O-Sulfated E. Coli K5 Polysaccharide in Diabetic Retinopathy. Diabetes, 2015, 64, 2581-2592.	0.6	21
54	Neuronal effects of a nickel-piperazine/NO donor complex in rodents. Pharmacological Research, 2015, 99, 162-173.	7.1	5

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55	The Corneal Pocket Assay. Methods in Molecular Biology, 2015, 1214, 15-28.	0.9	8
56	Protective Effects of Novel Metal-Nonoates on the Cellular Components of the Vascular System. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 500-509.	2.5	20
57	The sulphydryl containing ACE inhibitor Zofenoprilat protects coronary endothelium from Doxorubicin-induced apoptosis. Pharmacological Research, 2013, 76, 171-181.	7.1	37
58	PKCÎµ activation promotes FGF-2 exocytosis and induces endothelial cell proliferation and sprouting. Journal of Molecular and Cellular Cardiology, 2013, 63, 107-117.	1.9	28
59	The isoflavone metabolite 6-methoxyequol inhibits angiogenesis and suppresses tumor growth. Molecular Cancer, 2012, 11, 35.	19.2	36
60	Functional and pharmacological characterization of a VEGF mimetic peptide on reparative angiogenesis. Biochemical Pharmacology, 2012, 84, 303-311.	4.4	88
61	Corneal Pocket Assay. , 2012, , 285-304.		0
62	Genetic and pharmacologic inactivation of cannabinoid CB1 receptor inhibits angiogenesis. Blood, 2011, 117, 5541-5550.	1.4	70
63	The natural compound n-butylidenephthalide derived from the volatile oil of Radix Angelica sinensis inhibits angiogenesis in vitro and in vivo. Angiogenesis, 2011, 14, 187-197.	7.2	69
64	An in Vitro Study on Tissue Repair: Impact of Unloading on Cells Involved in the Remodelling Phase. Microgravity Science and Technology, 2011, 23, 391-401.	1.4	27
65	Non-peptide NK1 receptor ligands based on the 4-phenylpyridine moiety. Bioorganic and Medicinal Chemistry, 2011, 19, 2242-2251.	3.0	4
66	PKG-I inhibition attenuates vascular endothelial growth factor-stimulated angiogenesis. Vascular Pharmacology, 2010, 53, 215-222.	2.1	19
67	Sulfhydryl Angiotensin-Converting Enzyme Inhibitor Promotes Endothelial Cell Survival through Nitric-Oxide Synthase, Fibroblast Growth Factor-2, and Telomerase Cross-Talk. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 776-784.	2.5	39
68	The soluble guanylyl cyclase inhibitor NS-2028 reduces vascular endothelial growth factor-induced angiogenesis and permeability. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R824-R832.	1.8	31
69	Prostaglandin E 2 Primes the Angiogenic Switch via a Synergic Interaction With the Fibroblast Growth Factor-2 Pathway. Circulation Research, 2009, 105, 657-666.	4.5	48
70	Effect of Hypergravity on Endothelial Cell Function and Gene Expression. Microgravity Science and Technology, 2009, 21, 135-140.	1.4	13
71	Protective effect of 4-coumaric acid from UVB ray damage in the rabbit eye. Toxicology, 2009, 255, 1-5.	4.2	53
72	The Corneal Pocket Assay. Methods in Molecular Biology, 2009, 467, 319-329.	0.9	11

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73	Molecular regulation ofÂtumour angiogenesis byÂnitric oxide. European Cytokine Network, 2009, 20, 164-170.	2.0	55
74	Nitric Oxide Releasing Metalâ€“Diazeniumdiolate Complexes Strongly Induce Vasorelaxation and Endothelial Cell Proliferation. ChemMedChem, 2008, 3, 1039-1047.	3.2	15
75	Peroxynitrite inactivates humanâ€tissue inhibitor of metalloproteinaseâ€4. FEBS Letters, 2008, 582, 1135-1140.	2.8	49
76	Hydrocaffeic andp-coumaric acids, natural phenolic compounds, inhibit UV-B damage in WKD human conjunctival cellsin vitroand rabbit eyein vivo. Free Radical Research, 2008, 42, 903-910.	3.3	36
77	Prostaglandin E2 Regulates Angiogenesis via Activation of Fibroblast Growth Factor Receptor-1. Journal of Biological Chemistry, 2008, 283, 2139-2146.	3.4	104
78	A proangiogenic peptide derived from vascular endothelial growth factor receptor-1 acts through Î±5Î²1 integrin. Blood, 2008, 111, 3479-3488.	1.4	30
79	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.	0.5	86
80	Nanostructured HA crystals up-regulate FGF-2 expression and activity in microvascular endothelium promoting angiogenesis. Bone, 2007, 41, 523-534.	2.9	58
81	Divergent effects of quercetin conjugates on angiogenesis. British Journal of Nutrition, 2006, 95, 1016-1023.	2.3	71
82	Hypergravity affects morphology and function in microvascular endothelial cells. Microgravity Science and Technology, 2006, 18, 234-238.	1.4	18
83	The effect of hydroxyapatite nanocrystals on microvascular endothelial cell viability and functions. Journal of Biomedical Materials Research - Part A, 2006, 76A, 656-663.	4.0	106
84	Hepatocyte Growth Factor and Inducible Nitric Oxide Synthase Are Involved in Multidrug Resistanceâ€“Induced Angiogenesis in Hepatocellular Carcinoma Cell Lines. Cancer Research, 2006, 66, 2673-2682.	0.9	60
85	Fibroblast Growth Factor-2 Mediates Angiotensin-Converting Enzyme Inhibitor-Induced Angiogenesis in Coronary Endothelium. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 515-522.	2.5	35
86	Simulated hypogravity impairs the angiogenic response of endothelium by up-regulating apoptotic signals. Biochemical and Biophysical Research Communications, 2005, 334, 491-499.	2.1	75
87	In Vitro and In Vivo Models to Study Chemokine Regulation of Angiogenesis. , 2004, 239, 223-232.		3
88	Physiological levels of amyloid peptides stimulate the angiogenic response through FGFâ€2. FASEB Journal, 2004, 18, 1943-1945.	0.5	48
89	Luteolin Inhibits Vascular Endothelial Growth Factor-Induced Angiogenesis; Inhibition of Endothelial Cell Survival and Proliferation by Targeting Phosphatidylinositol 3â€²-Kinase Activity. Cancer Research, 2004, 64, 7936-7946.	0.9	194
90	VEGF165b, an Inhibitory Vascular Endothelial Growth Factor Splice Variant. Cancer Research, 2004, 64, 7822-7835.	0.9	416

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91	Synthesis of 1-(2-chloro-2-phenylethyl)-6-methylthio-1H-pyrazolo[3,4-d]pyrimidines 4-amino substituted and their biological evaluation. European Journal of Medicinal Chemistry, 2004, 39, 153-160.	5.5	29
92	A Non-Peptide NK1Receptor Agonist Showing Subpicomolar Affinity. Journal of Medicinal Chemistry, 2004, 47, 1315-1318.	6.4	15
93	ERK1-2 and p38 MAPK regulate MMP/TIMP balance and function in response to thrombospondin-1 fragments in the microvascular endothelium. Life Sciences, 2004, 74, 2975-2985.	4.3	48
94	The Rabbit Corneal Pocket Assay for the Study of Angiogenesis. Cancer Treatment and Research, 2004, 117, 147-151.	0.5	5
95	Role of Nitric Oxide in Tumor Angiogenesis. Cancer Treatment and Research, 2004, 117, 155-167.	0.5	53
96	Molecular Mechanisms of VEGF-Induced Angiogenesis. , 2004, , 19-25.		2
97	Development of New Drugs in Angiogenesis. Current Drug Targets, 2004, 5, 485-493.	2.1	70
98	Corneal Angiogenesis Assay. , 2004, , 263-272.		1
99	Analysis of the role of chemokines in angiogenesis. Journal of Immunological Methods, 2003, 273, 83-101.	1.4	168
100	Role of Nitric Oxide in the Modulation of Angiogenesis. Current Pharmaceutical Design, 2003, 9, 521-530.	1.9	161
101	Angiosuppressive and angiostimulatory effects exerted by synthetic partial sequences of endostatin. Clinical Cancer Research, 2003, 9, 5358-69.	7.0	57
102	[35] Determination of angiogenesis-regulating properties of NO. Methods in Enzymology, 2002, 352, 407-421.	1.0	1
103	N-myc oncogene overexpression down-regulates IL-6; evidence that IL-6 inhibits angiogenesis and suppresses neuroblastoma tumor growth. Oncogene, 2002, 21, 3552-3561.	5.9	65
104	Design of Pharmacological and Diagnostic Strategies for Angiogenesis-Dependent Diseases. , 2002, , 517-526.		0
105	The bradykinin/B1 receptor promotes angiogenesis by upâ€regulation of endogenous FGFâ€2 in endothelium via the nitric oxide synthase pathway. FASEB Journal, 2001, 15, 1487-1489.	0.5	147
106	Nitric oxide modulates the angiogenic phenotype of middle-T transformed endothelial cells. International Journal of Biochemistry and Cell Biology, 2001, 33, 305-313.	2.8	8
107	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.	1.4	66
108	Cu(II) and Zn(II) complexes with hyaluronic acid and its sulphated derivative. Journal of Inorganic Biochemistry, 2000, 81, 229-237.	3.5	27

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109	Nitric oxide and angiogenesis. Journal of Neuro-Oncology, 2000, 50, 139-148.	2.9	315
110	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. Blood, 2000, 96, 4039-4045.	1.4	82
111	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. Blood, 2000, 96, 2568-2573.	1.4	90
112	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.	0.5	146
113	ENDOTHELIAL CELLS IN CULTURE: A MODEL FOR STUDYING VASCULAR FUNCTIONS. Pharmacological Research, 2000, 42, 9-19.	7.1	99
114	Differential Contribution of Bradykinin Receptors in Angiogenesis. Advances in Experimental Medicine and Biology, 2000, 476, 117-128.	1.6	4
115	Abolished angiogenicity and tumorigenicity of Burkitt lymphoma by interleukin-10. Blood, 2000, 96, 2568-2573.	1.4	2
116	I-309 binds to and activates endothelial cell functions and acts as an angiogenic molecule in vivo. Blood, 2000, 96, 4039-4045.	1.4	2
117	B1 receptor involvement in the effect of bradykinin on venular endothelial cell proliferation and potentiation of FGF-2 effects. British Journal of Pharmacology, 1998, 124, 1286-1292.	5.4	80
118	The Rat and the Rabbit Cornea Assay. , 1998, , 39-46.		1
119	Role of Nitric Oxide in Angiogenesis and Tumor Progression in Head and Neck Cancer. Journal of the National Cancer Institute, 1998, 90, 587-596.	6.3	404
120	Nitric Oxide Is an Upstream Signal of Vascular Endothelial Growth Factor-induced Extracellular Signal-regulated KinaseÂ½ Activation in Postcapillary Endothelium. Journal of Biological Chemistry, 1998, 273, 4220-4226.	3.4	392
121	Endothelial cell migration is induced by soluble P-selectin. Life Sciences, 1997, 62, PL7-PL11.	4.3	18
122	Distinct capillary density and progression promoted by vascular endothelial growth factor-A homodimers and heterodimers. Angiogenesis, 1997, 1, 117-130.	7.2	11
123	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.	5.4	19
124	Role of Calcium in Angiotensin II-Induced Prostaglandin Release and DNA Synthesis in Rat Vascular Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 1996, 27, 195-200.	1.9	14
125	Calcitonin gene-related peptide selectively increases cAMP levels in the guinea-pig ureter. European Journal of Pharmacology, 1995, 289, 17-21.	2.6	16
126	Substance P stimulates neovascularization in vivo and proliferation of cultured endothelial cells. Microvascular Research, 1990, 40, 264-278.	2.5	268

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127	NK₁â€receptors mediate the proliferative response of human fibroblasts to tachykinins. British Journal of Pharmacology, 1990, 100, 11-14.	5.4	101
128	Interaction of Neutrophils with Endothelial Cells, Fibroblasts and Their Extracellular Matrices: Microscopic and Computerised Analysis. ATLA Alternatives To Laboratory Animals, 1988, 16, 48-53.	1.0	0