

# Maria Grazia Lampugnani

## List of Publications by Year in descending order

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69  
papers

10,672  
citations

66315

42  
h-index

98753

67  
g-index

72  
all docs

72  
docs citations

72  
times ranked

10064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Deficiency or Cytosolic Truncation of the VE-cadherin Gene in Mice Impairs VEGF-Mediated Endothelial Survival and Angiogenesis. <i>Cell</i> , 1999, 98, 147-157.	13.5	1,167
2	The role of adherens junctions and VE-cadherin in the control of vascular permeability. <i>Journal of Cell Science</i> , 2008, 121, 2115-2122.	1.2	808
3	Heterozygous Deficiency of PHD2 Restores Tumor Oxygenation and Inhibits Metastasis via Endothelial Normalization. <i>Cell</i> , 2009, 136, 839-851.	13.5	727
4	Vascular endothelial-cadherin is an important determinant of microvascular integrity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 9815-9820.	3.3	626
5	The molecular organization of endothelial cell to cell junctions: differential association of plakoglobin, beta-catenin, and alpha-catenin with vascular endothelial cadherin (VE-cadherin).. <i>Journal of Cell Biology</i> , 1995, 129, 203-217.	2.3	545
6	Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. <i>Journal of Cell Biology</i> , 2006, 174, 593-604.	2.3	480
7	Endothelial cell-to-cell junctions. <i>FASEB Journal</i> , 1995, 9, 910-918.	0.2	422
8	EndMT contributes to the onset and progression of cerebral cavernous malformations. <i>Nature</i> , 2013, 498, 492-496.	13.7	403
9	Phosphorylation of VE-cadherin is modulated by haemodynamic forces and contributes to the regulation of vascular permeability in vivo. <i>Nature Communications</i> , 2012, 3, 1208.	5.8	387
10	Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, $\beta$ -catenin, and the phosphatase DEP-1/CD148. <i>Journal of Cell Biology</i> , 2003, 161, 793-804.	2.3	374
11	Polymorphonuclear leukocyte adhesion triggers the disorganization of endothelial cell-to-cell adherens junctions.. <i>Journal of Cell Biology</i> , 1996, 135, 497-510.	2.3	306
12	The role of integrins in the maintenance of endothelial monolayer integrity.. <i>Journal of Cell Biology</i> , 1991, 112, 479-490.	2.3	278
13	Monoclonal antibodies directed to different regions of vascular endothelial cadherin extracellular domain affect adhesion and clustering of the protein and modulate endothelial permeability. <i>Blood</i> , 2001, 97, 1679-1684.	0.6	276
14	VE-Cadherin Regulates Endothelial Actin Activating Rac and Increasing Membrane Association of Tiam. <i>Molecular Biology of the Cell</i> , 2002, 13, 1175-1189.	0.9	226
15	Histamine Induces Tyrosine Phosphorylation of Endothelial Cell-to-Cell Adherens Junctions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2286-2297.	1.1	219
16	Vascular Endothelial (VE)-Cadherin: Only an Intercellular Glue?. <i>Experimental Cell Research</i> , 1999, 252, 13-19.	1.2	217
17	Interendothelial junctions: structure, signalling and functional roles. <i>Current Opinion in Cell Biology</i> , 1997, 9, 674-682.	2.6	210
18	Catenin-dependent and -independent Functions of Vascular Endothelial Cadherin. <i>Journal of Biological Chemistry</i> , 1995, 270, 30965-30972.	1.6	195

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19	Cytotoxicity of some catalysts commonly used in the synthesis of copolymers for biomedical use. <i>Journal of Materials Science: Materials in Medicine</i> , 1994, 5, 393-396.	1.7	189
20	A monoclonal antibody to vascular endothelial cadherin inhibits tumor angiogenesis without side effects on endothelial permeability. <i>Blood</i> , 2002, 100, 905-911.	0.6	188
21	Spatial and temporal relationships between cadherins and PECAM-1 in cell-cell junctions of human endothelial cells. <i>Journal of Cell Biology</i> , 1994, 126, 247-258.	2.3	183
22	CCM1 regulates vascular-lumen organization by inducing endothelial polarity. <i>Journal of Cell Science</i> , 2010, 123, 1073-1080.	1.2	157
23	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. <i>Journal of Cell Science</i> , 2008, 121, 29-37.	1.2	148
24	VE-cadherin is a critical endothelial regulator of TGF- $\beta$ 2 signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	3.5	146
25	KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2016, 8, 6-24.	3.3	141
26	An Arg-Gly-Asp sequence within thrombin promotes endothelial cell adhesion. <i>Journal of Cell Biology</i> , 1991, 112, 335-344.	2.3	106
27	Sulindac metabolites decrease cerebrovascular malformations in CCM3 knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8421-8426.	3.3	102
28	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. <i>Blood</i> , 2012, 119, 2159-2170.	0.6	87
29	Endothelial cell clonal expansion in the development of cerebral cavernous malformations. <i>Nature Communications</i> , 2019, 10, 2761.	5.8	87
30	Deregulated TGF- $\beta$ 2/BMP Signaling in Vascular Malformations. <i>Circulation Research</i> , 2017, 121, 981-999.	2.0	83
31	Adherens junctions in endothelial cells regulate vessel maintenance and angiogenesis. <i>Thrombosis Research</i> , 2007, 120, S1-S6.	0.8	76
32	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029322.	2.3	75
33	Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 617-622.	1.1	69
34	Combinatorial interaction between CCM pathway genes precipitates hemorrhagic stroke. <i>DMM Disease Models and Mechanisms</i> , 2008, 1, 275-281.	1.2	66
35	Endothelial adhesion molecules in the development of the vascular tree: the garden of forking paths. <i>Current Opinion in Cell Biology</i> , 1999, 11, 573-581.	2.6	65
36	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of Cell Biology</i> , 2015, 211, 1177-1192.	2.3	62

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37	JAM-A Acts via C/EBP $\beta$ to Promote Claudin-5 Expression and Enhance Endothelial Barrier Function. <i>Circulation Research</i> , 2020, 127, 1056-1073.	2.0	60
38	Endothelial Cell-to-Cell Junctions: Adhesion and Signaling in Physiology and Pathology. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012, 2, a006528-a006528.	2.9	53
39	Dll4 and PDGF-BB Convert Committed Skeletal Myoblasts to Pericytes without Erasing Their Myogenic Memory. <i>Developmental Cell</i> , 2013, 24, 586-599.	3.1	52
40	Endothelial Cells Lining Sporadic Cerebral Cavernous Malformation Cavernomas Undergo Endothelial-to-Mesenchymal Transition. <i>Stroke</i> , 2016, 47, 886-890.	1.0	52
41	1 Endothelial cell-to-cell junctions. Structural characteristics and functional role in the regulation of vascular permeability and leukocyte extravasation. <i>Best Practice and Research: Clinical Haematology</i> , 1993, 6, 539-558.	1.1	45
42	VE-cadherin at a glance. <i>Cell and Tissue Research</i> , 2014, 355, 515-522.	1.5	43
43	Endothelial cell transitions. <i>Science</i> , 2018, 362, 746-747.	6.0	42
44	Mapping endothelial-cell diversity in cerebral cavernous malformations at single-cell resolution. <i>ELife</i> , 2020, 9, .	2.8	42
45	Propranolol for familial cerebral cavernous malformation (Treat_CCM): study protocol for a randomized controlled pilot trial. <i>Trials</i> , 2020, 21, 401.	0.7	37
46	The Control of Endothelial Cell Functions by Adherens Junctions. <i>Novartis Foundation Symposium</i> , 2007, 283, 4-17.	1.2	33
47	Endothelial adherens junctions and the actin cytoskeleton: an 'infinity net'?. <i>Journal of Biology</i> , 2010, 9, 16.	2.7	33
48	Interleukin-1 induces c-fos protooncogene expression in cultured human endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1988, 152, 1104-1110.	1.0	28
49	Downregulation of vascular endothelial-cadherin expression is associated with an increase in vascular tumor growth and hemorrhagic complications. <i>Thrombosis and Haemostasis</i> , 2005, 93, 1041-1046.	1.8	27
50	Propranolol Reduces the Development of Lesions and Rescues Barrier Function in Cerebral Cavernous Malformations. <i>Stroke</i> , 2021, 52, 1418-1427.	1.0	27
51	Endothelial cell disease: emerging knowledge from cerebral cavernous malformations. <i>Current Opinion in Hematology</i> , 2017, 24, 256-264.	1.2	24
52	Intercellular Junctions in the Endothelium and the Control of Vascular Permeability. <i>Annals of the New York Academy of Sciences</i> , 1997, 811, 36-44.	1.8	22
53	Fgfbp1 promotes blood-brain barrier development by regulating collagen IV deposition and maintaining Wnt/ $\beta$ 2-catenin signaling. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	22
54	Interaction between benzyladenine and white light on excised watermelon cotyledons. <i>Plant Science Letters</i> , 1980, 18, 351-358.	1.9	16

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55	Structural Characteristics and Functional Role of Endothelial Cell to Cell Junctions. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1994, 2, 1-10.	1.7	15
56	Evidence for two classes of responses of watermelon cotyledons to benzyladenine. <i>Plant Science Letters</i> , 1979, 16, 51-57.	1.9	14
57	Comparative biological tests on segmented polyurethanes for cardio-vascular applications. <i>Clinical Materials</i> , 1993, 12, 17-23.	0.5	13
58	Differential adhesion drives angiogenesis. <i>Nature Cell Biology</i> , 2014, 16, 305-306.	4.6	12
59	Inflammation and neutrophil extracellular traps in cerebral cavernous malformation. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 206.	2.4	12
60	Human $\alpha$ -thrombin induces phosphoinositide turnover and $Ca^{2+}$ movements in cultured human umbilical vein endothelial cells. <i>Thrombosis Research</i> , 1989, 54, 75-87.	0.8	11
61	Dissociation between thromboxane generation and metastatic potential in cells from a murine fibrosarcoma. Studies with a selective thromboxane synthase inhibitor. <i>International Journal of Cancer</i> , 1987, 39, 488-491.	2.3	8
62	Interleukin-1 and Tumor Necrosis Factor Induce Transient Expression of an Inhibitor of Nuclear Factor $\kappa$ B in Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1993, 1, 161-165.	1.7	8
63	Functional distinction between serotonin uptake and serotonin-induced shape change receptors in rat platelets. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1982, 693, 22-26.	1.4	7
64	c-fos and c-myc Expression in human endothelial cells as a function of different culture conditions. <i>Experimental Cell Research</i> , 1990, 186, 381-384.	1.2	6
65	Thrombin stimulates arachidonate metabolism in murine tumor cells. <i>International Journal of Cancer</i> , 1987, 39, 367-372.	2.3	5
66	The role of microvascular endothelial WNT signaling the formation of the blood brain barrier. <i>SpringerPlus</i> , 2015, 4, L47.	1.2	3
67	DMSO-induced changes in the procoagulant and fibrinolytic activity of B16 melanoma cells: Influence on lung colony formation. <i>Clinical and Experimental Metastasis</i> , 1988, 6, 377-385.	1.7	2
68	Endothelial Cell Permeability Assays in Culture. , 2004, , 103-113.		2
69	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of General Physiology</i> , 2016, 147, 1472OIA9.	0.9	0