

Costanza Giampietro

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

3,350
citations

218677

26
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

5371
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. <i>Nature Cell Biology</i> , 2008, 10, 923-934.	10.3	538
2	EndMT contributes to the onset and progression of cerebral cavernous malformations. <i>Nature</i> , 2013, 498, 492-496.	27.8	403
3	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.	12.8	387
4	The Wnt/ β -Catenin Pathway Modulates Vascular Remodeling and Specification by Upregulating Dll4/Notch Signaling. <i>Developmental Cell</i> , 2010, 18, 938-949.	7.0	274
5	Vascular endothelial-cadherin and vascular stability. <i>Current Opinion in Hematology</i> , 2012, 19, 218-223.	2.5	156
6	VE-cadherin is a critical endothelial regulator of TGF- β signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	7.8	146
7	cAMP Response Element-Binding Protein Regulates Differentiation and Survival of Newborn Neurons in the Olfactory Bulb. <i>Journal of Neuroscience</i> , 2005, 25, 10105-10118.	3.6	142
8	<scp>KLF</scp> 4 is a key determinant in the development and progression of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2016, 8, 6-24.	6.9	141
9	Sulindac metabolites decrease cerebrovascular malformations in <i>CCM3</i> -knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8421-8426.	7.1	102
10	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. <i>Blood</i> , 2012, 119, 2159-2170.	1.4	87
11	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029322.	5.5	75
12	Hepatocyte Growth Factor Acts as a Motogen and Guidance Signal for Gonadotropin Hormone-Releasing Hormone-1 Neuronal Migration. <i>Journal of Neuroscience</i> , 2007, 27, 431-445.	3.6	71
13	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of Cell Biology</i> , 2015, 211, 1177-1192.	5.2	62
14	JAM-A Acts via C/EBP- β to Promote Claudin-5 Expression and Enhance Endothelial Barrier Function. <i>Circulation Research</i> , 2020, 127, 1056-1073.	4.5	60
15	ErbB4 Expression in Neural Progenitor Cells (ST14A) Is Necessary to Mediate Neuregulin-1 β 1-induced Migration. <i>Journal of Biological Chemistry</i> , 2004, 279, 48808-48816.	3.4	57
16	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. <i>Circulation Research</i> , 2018, 122, 231-245.	4.5	54
17	Bursts of activity in collective cell migration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11408-11413.	7.1	51
18	The alternative splicing factor Nova2 regulates vascular development and lumen formation. <i>Nature Communications</i> , 2015, 6, 8479.	12.8	50

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19	Abrogation of Junctional Adhesion Molecule-A Expression Induces Cell Apoptosis and Reduces Breast Cancer Progression. PLoS ONE, 2011, 6, e21242.	2.5	49
20	Mechanical stimulation induces rapid fibroblast proliferation and accelerates the early maturation of human skin substitutes. Biomaterials, 2021, 273, 120779.	11.4	39
21	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. ELife, 2019, 8, .	6.0	38
22	Stathmin Expression Modulates Migratory Properties of GN-11 Neurons in Vitro. Endocrinology, 2005, 146, 1825-1834.	2.8	35
23	From jamming to collective cell migration through a boundary induced transition. Soft Matter, 2018, 14, 3774-3782.	2.7	32
24	Overshoot during phenotypic switching of cancer cell populations. Scientific Reports, 2015, 5, 15464.	3.3	31
25	Deciphering the functional role of endothelial junctions by using <i>in vivo</i> models. EMBO Reports, 2008, 9, 742-747.	4.5	27
26	Cell cycle-dependent force transmission in cancer cells. Molecular Biology of the Cell, 2018, 29, 2528-2539.	2.1	27
27	Mechanical Fingerprint of Senescence in Endothelial Cells. Nano Letters, 2021, 21, 4911-4920.	9.1	27
28	Vascular Endothelial Cadherin Modulates Renal Interstitial Fibrosis. Nephron Experimental Nephrology, 2012, 120, e20-e31.	2.2	22
29	Angiomotin like-1 is a novel component of the N-cadherin complex affecting endothelial/pericyte interaction in normal and tumor angiogenesis. Scientific Reports, 2016, 6, 30622.	3.3	22
30	Cellogram: On-the-Fly Traction Force Microscopy. Nano Letters, 2019, 19, 6742-6750.	9.1	20
31	Facile endothelium protection from TNF- α inflammatory insult with surface topography. Biomaterials, 2017, 138, 131-141.	11.4	17
32	A ligand-insensitive UNC5B splicing isoform regulates angiogenesis by promoting apoptosis. Nature Communications, 2021, 12, 4872.	12.8	17
33	Ve- <i>ptp</i> Modulates Vascular Integrity by Promoting Adherens Junction Maturation. PLoS ONE, 2012, 7, e51245.	2.5	17
34	A dual role of YAP in driving TGF β ² -mediated endothelial-to-mesenchymal transition. Journal of Cell Science, 2021, 134, .	2.0	14
35	A free-form patterning method enabling endothelialization under dynamic flow. Biomaterials, 2021, 273, 120816.	11.4	12
36	Honeycomb-structured metasurfaces for the adaptive nesting of endothelial cells under hemodynamic loads. Biomaterials Science, 2018, 6, 2726-2737.	5.4	10

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37	A Novel Hybrid Membrane VAD as First Step Toward Hemocompatible Blood Propulsion. <i>Annals of Biomedical Engineering</i> , 2021, 49, 716-731.	2.5	9
38	Adaptive reorientation of endothelial collectives in response to strain. <i>Integrative Biology (United Kingdom)</i> , 2021, 13, 1101-1110.	1.3	8
39	Optimized Topological and Topographical Expansion of Epithelia. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3922-3934.	5.2	8
40	The Role of Tricellulin in Epithelial Jamming and Unjamming via Segmentation of Tricellular Junctions. <i>Advanced Science</i> , 2020, 7, 2001213.	11.2	5
41	VE-cadherin complex plasticity: EPS8 and YAP play relay at adherens junctions. <i>Tissue Barriers</i> , 2016, 4, e1232024.	3.2	4
42	Bistability of Dielectrically Anisotropic Nematic Crystals and the Adaptation of Endothelial Collectives to Stress Fields. <i>Advanced Science</i> , 2022, , 2102148.	11.2	3
43	Force and Collective Epithelial Activities. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1146, 31-44.	1.6	1
44	Tricellulin: The Role of Tricellulin in Epithelial Jamming and Unjamming via Segmentation of Tricellular Junctions (<i>Adv. Sci.</i> 15/2020). <i>Advanced Science</i> , 2020, 7, 2070085.	11.2	0
45	Evaluation of Chemotherapy and Phototoxicity of a Live Fluorescent Dye for Cell Analysis. <i>Photochemistry and Photobiology</i> , 2021, 97, 448-452.	2.5	0
46	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of General Physiology</i> , 2016, 147, 1472-1489.	1.9	0