

# 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	Bistability of Dielectrically Anisotropic Nematic Crystals and the Adaptation of Endothelial Collectives to Stress Fields. <i>Advanced Science</i> , 2022, , 2102148.	11.2	3
2	Evaluation of Chemo- and Photo-toxicity of a Live Fluorescent Dye for Cell Analysis. <i>Photochemistry and Photobiology</i> , 2021, 97, 448-452.	2.5	0
3	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
4	Mechanical Fingerprint of Senescence in Endothelial Cells. <i>Nano Letters</i> , 2021, 21, 4911-4920.	9.1	27
5	Mechanical stimulation induces rapid fibroblast proliferation and accelerates the early maturation of human skin substitutes. <i>Biomaterials</i> , 2021, 273, 120779.	11.4	39
6	A free-form patterning method enabling endothelialization under dynamic flow. <i>Biomaterials</i> , 2021, 273, 120816.	11.4	12
7	A dual role of YAP in driving TGF $\beta$ -mediated endothelial-to-mesenchymal transition. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	14
8	A ligand-insensitive UNC5B splicing isoform regulates angiogenesis by promoting apoptosis. <i>Nature Communications</i> , 2021, 12, 4872.	12.8	17
9	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.	4.5	60
10	The Role of Tricellulin in Epithelial Jamming and Unjamming via Segmentation of Tricellular Junctions. <i>Advanced Science</i> , 2020, 7, 2001213.	11.2	5
11	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
12	Cellogram: On-the-Fly Traction Force Microscopy. <i>Nano Letters</i> , 2019, 19, 6742-6750.	9.1	20
13	Optimized Topological and Topographical Expansion of Epithelia. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3922-3934.	5.2	8
14	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. <i>ELife</i> , 2019, 8, .	6.0	38
15	Force and Collective Epithelial Activities. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1146, 31-44.	1.6	1
16	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. <i>Circulation Research</i> , 2018, 122, 231-245.	4.5	54
17	From jamming to collective cell migration through a boundary induced transition. <i>Soft Matter</i> , 2018, 14, 3774-3782.	2.7	32
18	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029322.	5.5	75

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19	Cell cycle-dependent force transmission in cancer cells. <i>Molecular Biology of the Cell</i> , 2018, 29, 2528-2539.	2.1	27
20	Adaptive reorientation of endothelial collectives in response to strain. <i>Integrative Biology (United Kingdom)</i> , 2018, 10, 1-8.	1.3	8
21	Honeycomb-structured metasurfaces for the adaptive nesting of endothelial cells under hemodynamic loads. <i>Biomaterials Science</i> , 2018, 6, 2726-2737.	5.4	10
22	Facile endothelium protection from TNF-inflammatory insult with surface topography. <i>Biomaterials</i> , 2017, 138, 131-141.	11.4	17
23	KLF4 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
24	VE-cadherin complex plasticity: EPS8 and YAP play relay at adherens junctions. <i>Tissue Barriers</i> , 2016, 4, e1232024.	3.2	4
25	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
26	Angiotensin-like-1 is a novel component of the N-cadherin complex affecting endothelial/pericyte interaction in normal and tumor angiogenesis. <i>Scientific Reports</i> , 2016, 6, 30622.	3.3	22
27	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
28	The alternative splicing factor Nova2 regulates vascular development and lumen formation. <i>Nature Communications</i> , 2015, 6, 8479.	12.8	50
29	Overshoot during phenotypic switching of cancer cell populations. <i>Scientific Reports</i> , 2015, 5, 15464.	3.3	31
30	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
31	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.	7.1	102
32	EndMT contributes to the onset and progression of cerebral cavernous malformations. <i>Nature</i> , 2013, 498, 492-496.	27.8	403
33	Vascular Endothelial Cadherin Modulates Renal Interstitial Fibrosis. <i>Nephron Experimental Nephrology</i> , 2012, 120, e20-e31.	2.2	22
34	Vascular endothelial-cadherin and vascular stability. <i>Current Opinion in Hematology</i> , 2012, 19, 218-223.	2.5	156
35	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. <i>Blood</i> , 2012, 119, 2159-2170.	1.4	87
36	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

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37	Ve- <i>ptp</i> Modulates Vascular Integrity by Promoting Adherens Junction Maturation. <i>PLoS ONE</i> , 2012, 7, e51245.	2.5	17
38	Abrogation of Junctional Adhesion Molecule-A Expression Induces Cell Apoptosis and Reduces Breast Cancer Progression. <i>PLoS ONE</i> , 2011, 6, e21242.	2.5	49
39	The Wnt/ $\beta$ -Catenin Pathway Modulates Vascular Remodeling and Specification by Upregulating Dll4/Notch Signaling. <i>Developmental Cell</i> , 2010, 18, 938-949.	7.0	274
40	VE-cadherin is a critical endothelial regulator of TGF- $\beta$ signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	7.8	146
41	Deciphering the functional role of endothelial junctions by using <i>in vivo</i> models. <i>EMBO Reports</i> , 2008, 9, 742-747.	4.5	27
42	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
43	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
44	Stathmin Expression Modulates Migratory Properties of GN-11 Neurons <i>In Vitro</i> . <i>Endocrinology</i> , 2005, 146, 1825-1834.	2.8	35
45	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
46	ErbB4 Expression in Neural Progenitor Cells (ST14A) Is Necessary to Mediate Neuregulin-1-induced Migration. <i>Journal of Biological Chemistry</i> , 2004, 279, 48808-48816.	3.4	57