Guido Serini

List of Publications by Year
in descending order

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85	6,118	93792	78623
papers	citations	39	77
		h-index	g-index

143	143	143	8944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tumoral Neuroligin 1 Promotes Cancerâ€“Nerve Interactions and Synergizes with the Glial Cell Line-Derived Neurotrophic Factor. Cells, 2022, 11, 280.	1.8	6
2	TFEB controls integrin-mediated endothelial cell adhesion by the regulation of cholesterol metabolism. Angiogenesis, 2022, 25, 471-492.	3.7	10
3	METâˆ†14 promotes a ligand-dependent, AKT-driven invasive growth. Life Science Alliance, 2022, 5, e202201409.	1.3	7
4	Optimality in Self-Organized Molecular Sorting. Physical Review Letters, 2021, 126, 088101.	2.9	7
5	The roles of integrins in cancer. Faculty Reviews, 2021, 10, 45.	1.7	21
6	ESDN inhibits melanoma progression by blocking E-selectin expression in endothelial cells via STAT3. Cancer Letters, 2021, 510, 13-23.	3.2	4
7	LPHN2 inhibits vascular permeability by differential control of endothelial cell adhesion. Journal of Cell Biology, 2021, 220, .	2.3	15
8	Quantifying Polarized Extracellular Matrix Secretion in Cultured Endothelial Cells. Methods in Molecular Biology, 2021, 2217, 301-311.	0.4	2
9	Angiogenesis: The Importance of RHOJ-Mediated Trafficking of Active Integrins. Current Biology, 2020, 30, R652-R654.	1.8	5
10	Axonal precursor mi <scp>RNA</scp> s hitchhike on endosomesÂand locally regulate the development of neural circuits. EMBO Journal, 2020, 39, e102513.	3.5	57
11	Conformationally active integrin endocytosis and traffic: why, where, when and how?. Biochemical Society Transactions, 2020, 48, 83-93.	1.6	30
12	Distinct retrograde microtubule motor sets drive early and late endosome transport. EMBO Journal, 2020, 39, e103661.	3.5	22
13	Rhomboid-Like-2 Intramembrane Protease Mediates Metalloprotease-Independent Regulation of Cadherins. International Journal of Molecular Sciences, 2019, 20, 5958.	1.8	6
14	Kinesin-2 Controls the Motility of RAB5 Endosomes and Their Association with the Spindle in Mitosis. International Journal of Molecular Sciences, 2018, 19, 2575.	1.8	4
15	A rationally designed NRP1-independent superagonist SEMA3A mutant is an effective anticancer agent. Science Translational Medicine, 2018, 10, .	5.8	46
16	TRPM8 inhibits endothelial cell migration via a non-channel function by trapping the small GTPase Rap1. Journal of Cell Biology, 2017, 216, 2107-2130.	2.3	66
17	Sema3F (Semaphorin 3F) Selectively Drives an Extraembryonic Proangiogenic Program. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1710-1721.	1.1	12
18	An Electrical Impedance-Based Method for Quantitative Real-Time Analysis of Semaphorin-Elicited Endothelial Cell Collapse. Methods in Molecular Biology, 2017, 1493, 195-207.	0.4	4

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19	PPFIA1 drives active Î±5Î²1 integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. Nature Communications, 2016, 7, 13546.	5.8	72
20	Class 3 semaphorins in cardiovascular development. Cell Adhesion and Migration, 2016, 10, 641-651.	1.1	40
21	Peritoneal and hematogenous metastases of ovarian cancer cells are both controlled by the p90RSK through a self-reinforcing cell autonomous mechanism. Oncotarget, 2016, 7, 712-728.	0.8	13
22	Abstract 3372: Semaphorin 3A normalizes the tumor vasculature and impairs tumor progression in a Nrp-1-independent manner. , 2016, , .		0
23	Bad vessels beware! Semaphorins will sort you out!. EMBO Molecular Medicine, 2015, 7, 1251-1253.	3.3	11
24	Linifanib: current status and future potential in cancer therapy. Expert Review of Anticancer Therapy, 2015, 15, 677-687.	1.1	21
25	Class 3 Semaphorin in Angiogenesis and Lymphangiogenesis. Chemical Immunology and Allergy, 2014, 99, 71-88.	1.7	15
26	Endothelial podosome rosettes regulate vascular branching in tumour angiogenesis. Nature Cell Biology, 2014, 16, 931-941.	4.6	107
27	The GTPase-Activating Protein RN-tre Controls Focal Adhesion Turnover and Cell Migration. Current Biology, 2013, 23, 2355-2364.	1.8	42
28	Class 3 semaphorins: physiological vascular normalizing agents for antiâ€cancer therapy. Journal of Internal Medicine, 2013, 273, 138-155.	2.7	37
29	Tivantinib (ARQ197) Displays Cytotoxic Activity That Is Independent of Its Ability to Bind MET. Clinical Cancer Research, 2013, 19, 2381-2392.	3.2	157
30	Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. Journal of Cell Biology, 2013, 203, 359-372.	2.3	45
31	Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. Journal of General Physiology, 2013, 142, 1425OIA43.	0.9	0
32	Neuropilin-1â€“Dependent Regulation of EGF-Receptor Signaling. Cancer Research, 2012, 72, 5801-5811.	0.4	84
33	The R-Ras/RIN2/Rab5 complex controls endothelial cell adhesion and morphogenesis via active integrin endocytosis and Rac signaling. Cell Research, 2012, 22, 1479-1501.	5.7	97
34	The vesicular SNARE Synaptobrevin is required for Semaphorin 3A axonal repulsion. Journal of Cell Biology, 2012, 196, 37-46.	2.3	44
35	Neuropilin-1 Identifies a Subset of Bone Marrow Gr1â^' Monocytes That Can Induce Tumor Vessel Normalization and Inhibit Tumor Growth. Cancer Research, 2012, 72, 6371-6381.	0.4	51
36	Regulation of adhesion site dynamics by integrin traffic. Current Opinion in Cell Biology, 2012, 24, 582-591.	2.6	45

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37	Semaphorin 3A overcomes cancer hypoxia and metastatic dissemination induced by antiangiogenic treatment in mice. Journal of Clinical Investigation, 2012, 122, 1832-1848.	3.9	154
38	A Bistable Model of Cell Polarity. PLoS ONE, 2012, 7, e30977.	1.1	33
39	Abstract SY41-04: Targeting Semaphorin 3A: A new tool to normalize tumor vasculature and to overcome the evasive resistance to the anti-angiogenic therapy. , 2012, , .		0
40	Increasing traffic on vascular routes. Molecular Aspects of Medicine, 2011, 32, 112-122.	2.7	11
41	Regulation of integrins by conformation and traffic: it takes two to tango. Molecular BioSystems, 2011, 7, 2539.	2.9	8
42	Nervous vascular parallels: axon guidance and beyond. International Journal of Developmental Biology, 2011, 55, 439-445.	0.3	27
43	Diacylglycerol kinase Î± mediates HGF-induced Rac activation and membrane ruffling by regulating atypical PKC and RhoGDI. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4182-4187.	3.3	58
44	Integrin signaling and lung cancer. Cell Adhesion and Migration, 2010, 4, 124-129.	1.1	47
45	Symmetry breaking mechanism for epithelial cell polarization. Physical Review E, 2009, 80, 031919.	0.8	10
46	Microenvironment drives the endothelial or neural fate of differentiating embryonic stem cells coexpressing neuropilinâ€1 and Flkâ€1. FASEB Journal, 2009, 23, 68-78.	0.2	17
47	Semaphorin 3A is an endogenous angiogenesis inhibitor that blocks tumor growth and normalizes tumor vasculature in transgenic mouse models. Journal of Clinical Investigation, 2009, 119, 3356-72.	3.9	167
48	Neuropilin-1/GIPC1 Signaling Regulates Î±5Î²1 Integrin Traffic and Function in Endothelial Cells. PLoS Biology, 2009, 7, e1000025.	2.6	246
49	Semaphorins and tumor angiogenesis. Angiogenesis, 2009, 12, 187-193.	3.7	46
50	Angiogenesis: aÂbalancing act between integrin activation andÂinhibition?. European Cytokine Network, 2009, 20, 191-196.	1.1	9
51	Modelling of 3D Early Blood Vessel Formation: Simulations and Morphological Analysis. AIP Conference Proceedings, 2008, , .	0.3	1
52	Besides adhesion: new perspectives of integrin functions in angiogenesis. Cardiovascular Research, 2008, 78, 213-222.	1.8	55
53	APâ€2Î± and APâ€2Î³ regulate tumor progression via specific genetic programs. FASEB Journal, 2008, 22, 2702-2714.	0.2	69
54	Integrins team up with tyrosine kinase receptors and plexins to control angiogenesis. Current Opinion in Hematology, 2008, 15, 235-242.	1.2	25

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55	A Simulation Environment for Directional Sensing as a Phase Separation Process. Science's STKE: Signal Transduction Knowledge Environment, 2007, 2007, pl1-pl1.	4.1	6
56	Integrins: A flexible platform for endothelial vascular tyrosine kinase receptors. Autoimmunity Reviews, 2007, 7, 18-22.	2.5	17
57	3D simulations of early blood vessel formation. Journal of Computational Physics, 2007, 225, 2283-2300.	1.9	11
58	Embryonic cleavage modeling as a computational approach to sphere packing problem. Journal of Theoretical Biology, 2007, 245, 77-82.	0.8	4
59	Integrins and angiogenesis: A sticky business. Experimental Cell Research, 2006, 312, 651-658.	1.2	186
60	Loss of inhibitory semaphorin 3A (SEMA3A) autocrine loops in bone marrow endothelial cells of patients with multiple myeloma. Blood, 2006, 108, 1661-1667.	0.6	79
61	Semaphoring Vascular Morphogenesis. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 81-91.	1.7	49
62	Role of repulsive factors in vascularization dynamics. Physical Review E, 2006, 73, 041917.	0.8	5
63	A Computational Model for Eukaryotic Directional Sensing. Lecture Notes in Computer Science, 2006, , 184-195.	1.0	0
64	Sema4D induces angiogenesis through Met recruitment by Plexin B1. Blood, 2005, 105, 4321-4329.	0.6	226
65	Stable interaction between Î±5Î²1 integrin and Tie2 tyrosine kinase receptor regulates endothelial cell response to Ang-1. Journal of Cell Biology, 2005, 170, 993-1004.	2.3	162
66	Diffusion-limited phase separation in eukaryotic chemotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16927-16932.	3.3	85
67	Common Cues in Vascular and Axon Guidance. Physiology, 2004, 19, 348-354.	1.6	39
68	Cell Directional and chemotaxis in vascular morphogenesis. Bulletin of Mathematical Biology, 2004, 66, 1851-1873.	0.9	55
69	Modeling the early stages of vascular network assembly. EMBO Journal, 2003, 22, 1771-1779.	3.5	280
70	Class 3 semaphorins control vascular morphogenesis by inhibiting integrin function. Nature, 2003, 424, 391-397.	13.7	546
71	Percolation, Morphogenesis, and Burgers Dynamics in Blood Vessels Formation. Physical Review Letters, 2003, 90, 118101.	2.9	222
72	Temporal and Spatial Modulation of Rho GTPases during in Vitro Formation of Capillary Vascular Network. Journal of Biological Chemistry, 2003, 278, 50702-50713.	1.6	64

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73	Tie-2â€“dependent activation of RhoA and Rac1 participates in endothelial cell motility triggered by angiopoietin-1. Blood, 2003, 102, 2482-2490.	0.6	57
74	In vivoactivation of JAK2/STATâ€3 pathway during angiogenesis induced by GMâ€CSF. FASEB Journal, 2002, 16, 1-19.	0.2	126
75	Interactions between endothelial cells and HIV-1. International Journal of Biochemistry and Cell Biology, 2001, 33, 371-390.	1.2	59
76	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. EMBO Reports, 2001, 2, 763-767.	2.0	25
77	Loss of E-cadherin tyrosine phosphorylation in human cancers. Trends in Molecular Medicine, 1999, 5, 336.	2.6	2
78	Mechanisms of Myofibroblast Activity and Phenotypic Modulation. Experimental Cell Research, 1999, 250, 273-283.	1.2	536
79	The Fibronectin Domain ED-A Is Crucial for Myofibroblastic Phenotype Induction by Transforming Growth Factor-Î²1. Journal of Cell Biology, 1998, 142, 873-881.	2.3	741
80	Growth Factorâ€dependent Activation of Î±vÎ²3 Integrin in Normal Epithelial Cells: Implications for Tumor Invasion. Journal of Cell Biology, 1998, 142, 1145-1156.	2.3	110
81	Modulation of alpha-smooth muscle actin expression in fibroblasts by transforming growth factor-beta isoforms: an in vivo and in vitro study. Wound Repair and Regeneration, 1996, 4, 278-287.	1.5	70
82	Changes in Integrin and E-Cadherin Expression in Neoplastic Versus Normal Thyroid Tissue. Journal of the National Cancer Institute, 1996, 88, 442-449.	3.0	93
83	Overexpression of the C-MET/HGF receptor in human thyroid carcinomas derived from the follicular epithelium. Journal of Endocrinological Investigation, 1995, 18, 134-139.	1.8	63
84	Tracking endothelial cells during blood vessel networks assembly using active contours. , 0, , .		4
85	Endocytosis and Exocytosis in Signal Transduction and in Cell Migration. , 0, , .		0