

Carlo Tacchetti

List of Publications by Year in descending order

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114
papers

9,595
citations

44069

48
h-index

38395

95
g-index

118
all docs

118
docs citations

118
times ranked

14621
citing authors

#	ARTICLE	IF	CITATIONS
1	Clathrin-independent endocytosis of ubiquitinated cargos. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2760-2765.	7.1	719
2	Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. Journal of Cell Biology, 2006, 174, 593-604.	5.2	480
3	Persistent cAMP-Signals Triggered by Internalized G-Proteinâ€“Coupled Receptors. PLoS Biology, 2009, 7, e1000172.	5.6	471
4	A block of autophagy in lysosomal storage disorders. Human Molecular Genetics, 2008, 17, 119-129.	2.9	456
5	Autocrine saturation of pro-urokinase receptors on human A431 cells. Cell, 1986, 45, 675-684.	28.9	364
6	PML Regulates Apoptosis at Endoplasmic Reticulum by Modulating Calcium Release. Science, 2010, 330, 1247-1251.	12.6	360
7	Numb Is an Endocytic Protein. Journal of Cell Biology, 2000, 151, 1345-1352.	5.2	330
8	Integrin-induced Epidermal Growth Factor (EGF) Receptor Activation Requires c-Src and p130Cas and Leads to Phosphorylation of Specific EGF Receptor Tyrosines. Journal of Biological Chemistry, 2002, 277, 9405-9414.	3.4	330
9	BAP1 regulates IP3R3-mediated Ca ²⁺ flux to mitochondria suppressing cell transformation. Nature, 2017, 546, 549-553.	27.8	308
10	The Life Span Determinant p66Shc Localizes to Mitochondria Where It Associates with Mitochondrial Heat Shock Protein 70 and Regulates Trans-membrane Potential. Journal of Biological Chemistry, 2004, 279, 25689-25695.	3.4	260
11	Dense core secretory vesicles revealed as a dynamic Ca ²⁺ -store in neuroendocrine cells with a vesicle-associated membrane protein aequorin chimera. Journal of Cell Biology, 2001, 155, 41-52.	5.2	188
12	N-CAM and N-Cadherin Expression during in Vitro Chondrogenesis. Experimental Cell Research, 1994, 215, 354-362.	2.6	178
13	Validation of a Standardized Method for Enumerating Circulating Endothelial Cells and Progenitors: Flow Cytometry and Molecular and Ultrastructural Analyses. Clinical Cancer Research, 2009, 15, 267-273.	7.0	153
14	Angiogenic potential in vivo by Kaposi's sarcoma cell-free supernatants and HIV-1 tat product: inhibition of KS-like lesions by tissue inhibitor of metalloproteinase-2. Aids, 1994, 8, 1237-1244.	2.2	147
15	The vacuolar ATPase is required for physiological as well as pathological activation of the Notch receptor. Development (Cambridge), 2010, 137, 1825-1832.	2.5	145
16	Accumulation of long-chain fatty acids in the tumor microenvironment drives dysfunction in intrapancreatic CD8 ⁺ T cells. Journal of Experimental Medicine, 2020, 217, .	8.5	142
17	Relationships between EGFR Signalingâ€“competent and Endocytosis-competent Membrane Microdomains. Molecular Biology of the Cell, 2005, 16, 2704-2718.	2.1	135
18	Tyrosine Phosphorylation of Eps15 Is Required for Ligand-Regulated, but Not Constitutive, Endocytosis. Journal of Cell Biology, 2000, 150, 905-912.	5.2	128

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19	PML at Mitochondria-Associated Membranes Is Critical for the Repression of Autophagy and Cancer Development. <i>Cell Reports</i> , 2016, 16, 2415-2427.	6.4	127
20	Cell condensation in chondrogenic differentiation. <i>Experimental Cell Research</i> , 1992, 200, 26-33.	2.6	122
21	Proteome Profiling of Neuroblastoma-Derived Exosomes Reveal the Expression of Proteins Potentially Involved in Tumor Progression. <i>PLoS ONE</i> , 2013, 8, e75054.	2.5	122
22	Mitochondria and Melanosomes Establish Physical Contacts Modulated by Mfn2 and Involved in Organelle Biogenesis. <i>Current Biology</i> , 2014, 24, 393-403.	3.9	121
23	Ocular albinism: evidence for a defect in an intracellular signal transduction system. <i>Nature Genetics</i> , 1999, 23, 108-112.	21.4	118
24	Reticulon 3-dependent ER-PM contact sites control EGFR nonclathrin endocytosis. <i>Science</i> , 2017, 356, 617-624.	12.6	118
25	Inhibition of Angiogenesis and Vascular Tumor Growth by Interferon-Producing Cells. <i>American Journal of Pathology</i> , 2000, 156, 1381-1393.	3.8	117
26	Targeted Deletion of the Integrin $\beta 4$ Signaling Domain Suppresses Laminin-5-Dependent Nuclear Entry of Mitogen-Activated Protein Kinases and NF- κ B, Causing Defects in Epidermal Growth and Migration. <i>Molecular and Cellular Biology</i> , 2005, 25, 6090-6102.	2.3	117
27	TGF β expression impairs Trastuzumab-induced HER2 downregulation. <i>Oncogene</i> , 2005, 24, 3002-3010.	5.9	113
28	A novel actin barbed-end-capping activity in EPS-8 regulates apical morphogenesis in intestinal cells of <i>Caenorhabditis elegans</i> . <i>Nature Cell Biology</i> , 2004, 6, 1173-1179.	10.3	109
29	Dynamic Partitioning into Lipid Rafts Controls the Endo-Exocytic Cycle of the $\beta 2$ Integrin, LFA-1, during Leukocyte Chemotaxis. <i>Molecular Biology of the Cell</i> , 2005, 16, 5793-5803.	2.1	105
30	Live-cell p53 single-molecule binding is modulated by C-terminal acetylation and correlates with transcriptional activity. <i>Nature Communications</i> , 2017, 8, 313.	12.8	104
31	A dynamic podosome-like structure of epithelial cells. <i>Experimental Cell Research</i> , 2004, 295, 360-374.	2.6	100
32	Glia re-sealed particles freshly prepared from adult rat brain are competent for exocytotic release of glutamate. <i>Journal of Neurochemistry</i> , 2006, 96, 656-668.	3.9	99
33	TTP Specifically Regulates the Internalization of the Transferrin Receptor. <i>Cell</i> , 2005, 123, 875-888.	28.9	93
34	The ocular albinism type 1 gene product is a membrane glycoprotein localized to melanosomes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9055-9060.	7.1	89
35	Systemic inflammation and neurodegeneration in a mouse model of multiple sulfatase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4506-4511.	7.1	88
36	Amyloid Precursor Protein and Presenilin1 Interact with the Adaptor GRB2 and Modulate ERK 1,2 Signaling. <i>Journal of Biological Chemistry</i> , 2007, 282, 13833-13844.	3.4	83

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37	The ocular albinism type 1 protein, an intracellular G protein-coupled receptor, regulates melanosome transport in pigment cells. <i>Human Molecular Genetics</i> , 2008, 17, 3487-3501.	2.9	76
38	Advanced Correlative Light/Electron Microscopy: Current Methods and New Developments Using Tokuyasu Cryosections. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 1103-1112.	2.5	76
39	Signaling through CD38 induces NK cell activation. <i>International Immunology</i> , 2001, 13, 397-409.	4.0	73
40	Evidence for aerobic metabolism in retinal rod outer segment disks. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2555-2565.	2.8	70
41	Subepithelial B cells in the human palatine tonsil. I. Morphologic, cytochemical and phenotypic characterization. <i>European Journal of Immunology</i> , 1996, 26, 2035-2042.	2.9	67
42	The Eps15 C. elegans homologue EHS-1 is implicated in synaptic vesicle recycling. <i>Nature Cell Biology</i> , 2001, 3, 755-760.	10.3	65
43	Extracellular MicroRNA Signature of Human Helper T Cell Subsets in Health and Autoimmunity. <i>Journal of Biological Chemistry</i> , 2017, 292, 2903-2915.	3.4	63
44	SARS-CoV-2 Entry: At the Crossroads of CD147 and ACE2. <i>Cells</i> , 2021, 10, 1434.	4.1	60
45	ER storage diseases: a role for ERGIC-53 in controlling the formation and shape of Russell bodies. <i>Journal of Cell Science</i> , 2006, 119, 2532-2541.	2.0	59
46	Molecularly Distinct Clathrin-Coated Pits Differentially Impact EGFR Fate and Signaling. <i>Cell Reports</i> , 2019, 27, 3049-3061.e6.	6.4	58
47	NAD ⁺ -dependent internalization of the transmembrane glycoprotein CD38 in human Namalwa B cells. <i>FEBS Letters</i> , 1996, 396, 327-332.	2.8	56
48	Proteomic Analysis of the Retinal Rod Outer Segment Disks. <i>Journal of Proteome Research</i> , 2008, 7, 2654-2669.	3.7	56
49	The Ocular Albinism Type 1 (OA1) Gene Controls Melanosome Maturation and Size. , 2005, 46, 4358.		55
50	The ocular albinism type 1 (OA1) protein and the evidence for an intracellular signal transduction system involved in melanosome biogenesis. <i>Pigment Cell & Melanoma Research</i> , 2005, 18, 227-233.	3.6	51
51	Clathrin and LRP-1-Independent Constitutive Endocytosis and Recycling of uPAR. <i>PLoS ONE</i> , 2008, 3, e3730.	2.5	50
52	Loss of the Actin Remodeler Eps8 Causes Intestinal Defects and Improved Metabolic Status in Mice. <i>PLoS ONE</i> , 2010, 5, e9468.	2.5	50
53	Î²PIX controls cell motility and neurite extension by regulating the distribution of GIT1. <i>Journal of Cell Science</i> , 2006, 119, 2654-2666.	2.0	49
54	Monocyte-derived dendritic cells and monocytes migrate to HIV-Tat RGD and basic peptides. <i>Aids</i> , 1998, 12, 261-268.	2.2	48

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55	High Data Output and Automated 3D Correlative Lightâ€“Electron Microscopy Method. <i>Traffic</i> , 2008, 9, 1828-1838.	2.7	48
56	Lipid Rafts and Clathrin Cooperate in the Internalization of PrPC in Epithelial FRT Cells. <i>PLoS ONE</i> , 2009, 4, e5829.	2.5	48
57	The HSP90 inhibitor geldanamycin perturbs endosomal structure and drives recycling ErbB2 and transferrin to modified MVBs/lysosomal compartments. <i>Molecular Biology of the Cell</i> , 2013, 24, 129-144.	2.1	44
58	Autophagy regulates UBC9 levels during viral-mediated tumorigenesis. <i>PLoS Pathogens</i> , 2017, 13, e1006262.	4.7	44
59	Chest CTâ€“derived pulmonary artery enlargement at the admission predicts overall survival in COVID-19 patients: insight from 1461 consecutive patients in Italy. <i>European Radiology</i> , 2021, 31, 4031-4041.	4.5	43
60	Conditional Inactivation of the E-Cadherin Gene in Thyroid Follicular Cells Affects Gland Development but Does Not Impair Junction Formation. <i>Endocrinology</i> , 2007, 148, 2737-2746.	2.8	42
61	Calcification of in vitro developed hypertrophic cartilage. <i>Developmental Biology</i> , 1989, 132, 442-447.	2.0	40
62	Group I metabotropic glutamate autoreceptors induce abnormal glutamate exocytosis in a mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2013, 66, 253-263.	4.1	39
63	Integrins $\alpha 6 \beta 1$ and $\alpha 6 \beta 2$ Promote Different Stages of Chondrogenic Cell Differentiation. <i>Journal of Biological Chemistry</i> , 2002, 277, 31612-31622.	3.4	38
64	Pharmacological activation of autophagy favors the clearing of intracellular aggregates of misfolded prion protein peptide to prevent neuronal death. <i>Cell Death and Disease</i> , 2018, 9, 166.	6.3	38
65	Amelioration of both Functional and Morphological Abnormalities in the Retina of a Mouse Model of Ocular Albinism Following AAV-Mediated Gene Transfer. <i>Molecular Therapy</i> , 2005, 12, 652-658.	8.2	36
66	Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. <i>Biomaterials</i> , 2015, 68, 89-99.	11.4	36
67	Endoplasmic reticulum stress reduces the export from the ER and alters the architecture of post-ER compartments. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 2511-2521.	2.8	35
68	Extramitochondrial tricarboxylic acid cycle in retinal rod outer segments. <i>Biochimie</i> , 2011, 93, 1565-1575.	2.6	34
69	Chest CT in the emergency department for suspected COVID-19 pneumonia. <i>Radiologia Medica</i> , 2021, 126, 498-502.	7.7	32
70	Apoptosis of L929 Cells by Etoposide: A Quantitative and Kinetic Approach. <i>Experimental Cell Research</i> , 1996, 228, 292-305.	2.6	31
71	A novel approach for correlative light electron microscopy analysis. <i>Microscopy Research and Technique</i> , 2010, 73, 215-224.	2.2	29
72	Constitutive myc expression impairs hypertrophy and calcification in cartilage. <i>Developmental Biology</i> , 1992, 149, 168-176.	2.0	27

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73	New findings in ATP supply in rod outer segments: Insights for retinopathies. <i>Biology of the Cell</i> , 2013, 105, 345-358.	2.0	27
74	Homocysteine and A2A-D2 Receptor-Receptor Interaction at Striatal Astrocyte Processes. <i>Journal of Molecular Neuroscience</i> , 2018, 65, 456-466.	2.3	27
75	OSTEOBLASTIC CELLS FROM RAT LONG BONE II: ADHESION TO SUBSTRATA AND INTEGRIN EXPRESSION IN PRIMARY AND PROPAGATED CULTURES. <i>Cell Biology International</i> , 1997, 21, 7-16.	3.0	25
76	Chondrocyte protein with a poly-proline region (CHPPR) is a novel mitochondrial protein and promotes mitochondrial fission. <i>Journal of Cellular Physiology</i> , 2004, 201, 470-482.	4.1	25
77	Impact of clinical and subclinical coronary artery disease as assessed by coronary artery calcium in COVID-19. <i>Atherosclerosis</i> , 2021, 328, 136-143.	0.8	25
78	Calcium-permeable AMPA receptors trigger vesicular glutamate release from Bergmann gliosomes. <i>Neuropharmacology</i> , 2015, 99, 396-407.	4.1	24
79	Expression of the Extracellular Fatty Acid Binding Protein (Ex-FABP) during Muscle Fiber Formation in Vivo and in Vitro. <i>Experimental Cell Research</i> , 1998, 242, 410-418.	2.6	22
80	Coronary and total thoracic calcium scores predict mortality and provides pathophysiologic insights in COVID-19 patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 421-430.	1.3	22
81	Chapter 21 Glutamate Release from Astrocytic Gliosomes under Physiological and Pathological Conditions. <i>International Review of Neurobiology</i> , 2009, 85, 295-318.	2.0	20
82	ESCRT-0 Is Not Required for Ectopic Notch Activation and Tumor Suppression in Drosophila. <i>PLoS ONE</i> , 2014, 9, e93987.	2.5	20
83	Melanosome's autonomous regulation of size and number: the OA ¹ receptor sustains PMEL expression. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 565-579.	3.3	20
84	Identification of a membrane-less compartment regulating invadosome function and motility. <i>Scientific Reports</i> , 2018, 8, 1164.	3.3	18
85	Regulation of tumor growth by circulating full-length chromogranin A. <i>Oncotarget</i> , 2016, 7, 72716-72732.	1.8	18
86	Cooperative but distinct early co-signaling events originate from ERBB2 and ERBB1 receptors upon trastuzumab treatment in breast cancer cells. <i>Oncotarget</i> , 2017, 8, 60109-60122.	1.8	18
87	Identification of an HSP90 modulated multi-step process for ERBB2 degradation in breast cancer cells. <i>Oncotarget</i> , 2016, 7, 85411-85429.	1.8	17
88	Cyclosporine A Inhibits Viral Infection and Release as Well as Cytokine Production in Lung Cells by Three SARS-CoV-2 Variants. <i>Microbiology Spectrum</i> , 2022, 10, e0150421.	3.0	17
89	The High-Mobility Group Box 1 Cytokine Induces Transporter-Mediated Release of Glutamate from Glial Subcellular Particles (Gliosomes) Prepared from in Situ-Matured Astrocytes. <i>International Review of Neurobiology</i> , 2007, 82, 73-93.	2.0	16
90	Are Rod Outer Segment ATP-ase and ATP-Synthase Activity Expression of the Same Protein?. <i>Cellular and Molecular Neurobiology</i> , 2013, 33, 637-649.	3.3	15

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91	Change of inverted thyroid follicle into a spheroid after embedding in a collagen gel. <i>Experimental Cell Research</i> , 1986, 163, 63-77.	2.6	14
92	TTF-1/NKX2.1 up-regulates the in vivo transcription of nestin. <i>International Journal of Developmental Biology</i> , 2008, 52, 55-62.	0.6	14
93	Chapter 12 Liposome-Mediated Therapy of Neuroblastoma. <i>Methods in Enzymology</i> , 2009, 465, 225-249.	1.0	13
94	Functional Characterization of drim2, the <i>Drosophila melanogaster</i> Homolog of the Yeast Mitochondrial Deoxynucleotide Transporter. <i>Journal of Biological Chemistry</i> , 2014, 289, 7448-7459.	3.4	13
95	Effective Retrovirus-Mediated Gene Transfer in Normal and Mutant Human Melanocytes. <i>Human Gene Therapy</i> , 2002, 13, 947-957.	2.7	12
96	3D HDO-CLEM. <i>Methods in Cell Biology</i> , 2012, 111, 95-115.	1.1	12
97	Purification and partial characterization of <i>Xenopus laevis</i> tenascin from the XTC cell line. <i>FEBS Letters</i> , 1991, 279, 346-350.	2.8	11
98	First Responders Shape a Prompt and Sharp NF- κ B-Mediated Transcriptional Response to TNF- α . <i>IScience</i> , 2020, 23, 101529.	4.1	11
99	Functional properties of normal and inverted rat thyroid follicles in suspension culture. <i>Journal of Cellular Physiology</i> , 1986, 126, 93-98.	4.1	10
100	Ultrastructural and Functional Studies of the Interaction between IL-12 and IL-2 for the Generation of Lymphokine-Activated Killer Cells. <i>Experimental Cell Research</i> , 1999, 253, 440-453.	2.6	10
101	The neuroendocrine protein VGF is sorted into dense-core granules and is secreted apically by polarized rat thyroid epithelial cells. <i>Experimental Cell Research</i> , 2004, 295, 269-280.	2.6	10
102	Redundant and nonredundant organismal functions of EPS15 and EPS15L1. <i>Life Science Alliance</i> , 2019, 2, e201800273.	2.8	10
103	Suspension culture reveals a morphogenetic property of a thyroid epithelial cell line. <i>Experimental Cell Research</i> , 1984, 152, 22-30.	2.6	9
104	Three-dimensional microscopy migrates to the web with ?PowerUp Your Microscope?. <i>Microscopy Research and Technique</i> , 2004, 64, 196-203.	2.2	9
105	High Data Output Method for 3-D Correlative Light-Electron Microscopy Using Ultrathin Cryosections. , 2013, 950, 417-437.		8
106	Phenotypic and Functional Characterization of Human Tonsillar Subepithelial (SE) B Cells. <i>Annals of the New York Academy of Sciences</i> , 1997, 815, 171-181.	3.8	7
107	Diabetes and mortality in patients with COVID-19: Are we missing the link?. , 2021, 25, 376-379.		6
108	Contrast-enhanced ultrasound for ovary assessment in a murine model: preliminary findings on the protective role of a gonadotropin-releasing hormone analogue from chemotherapy-induced ovarian damage. <i>European Radiology Experimental</i> , 2018, 2, 44.	3.4	5

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109	Immunogold Electron Microscopy of the Autophagosome Marker LC3. Bio-protocol, 2017, 7, e2648.	0.4	5
110	Direct stimulation of ERBB2 highlights a novel cytostatic signaling pathway driven by the receptor Thr701 phosphorylation. Scientific Reports, 2020, 10, 16906.	3.3	3
111	Radiomic and gEnomic approaches for the enhanced Diagnosis of clear cell REnal Cancer (REDIRECT): a translational pilot methodological study. Translational Andrology and Urology, 2022, 11, 149-158.	1.4	3
112	Use of an antagonist of HMGB1 in mice affected by malignant mesothelioma: a preliminary ultrasound and optical imaging study. European Radiology Experimental, 2022, 6, 7.	3.4	2
113	Quantification of Circulating Endothelial Cells by Flow Cytometry. Clinical Cancer Research, 2009, 15, 3640-3640.	7.0	1
114	Chondrocyte Differentiation in Vitro from Clones of Prechondrogenic Cells. Annals of the New York Academy of Sciences, 1990, 580, 532-535.	3.8	0