

# Tom Carter

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,333  
citations

279798

23  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of the actin cytoskeleton with microtubules regulates secretory organelle movement near the plasma membrane in human endothelial cells. <i>Journal of Cell Science</i> , 2003, 116, 3927-3938.	2.0	95
2	Cyclooxygenase-2 Induction and Prostacyclin Release by Protease-activated Receptors in Endothelial Cells Require Cooperation between Mitogen-activated Protein Kinase and NF- $\kappa$ B Pathways. <i>Journal of Biological Chemistry</i> , 2006, 281, 11792-11804.	3.4	86
3	The interplay between the Rab27A effectors Slp4-a and MyRIP controls hormone-evoked Weibel-Palade body exocytosis. <i>Blood</i> , 2012, 120, 2757-2767.	1.4	85
4	Selective release of molecules from Weibel-Palade bodies during a lingering kiss. <i>Blood</i> , 2008, 111, 5282-5290.	1.4	79
5	A revised model for the secretion of tPA and cytokines from cultured endothelial cells. <i>Blood</i> , 2010, 116, 2183-2191.	1.4	78
6	Structural organization of Weibel-Palade bodies revealed by cryo-EM of vitrified endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17407-17412.	7.1	72
7	Rate, extent and concentration dependence of histamine-evoked Weibel-Palade body exocytosis determined from individual fusion events in human endothelial cells. <i>Journal of Physiology</i> , 2007, 583, 195-212.	2.9	66
8	Differential Kinetics of Cell Surface Loss of von Willebrand Factor and Its Propolypeptide after Secretion from Weibel-Palade Bodies in Living Human Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 22827-22830.	3.4	55
9	Photolabile donors of nitric oxide: Ruthenium nitrosyl chlorides as caged nitric oxide. <i>Methods in Enzymology</i> , 1996, 268, 266-281.	1.0	47
10	Potency and kinetics of nitric oxide-mediated vascular smooth muscle relaxation determined with flash photolysis of ruthenium nitrosyl chlorides. <i>British Journal of Pharmacology</i> , 1997, 122, 971-973.	5.4	46
11	STXBP1 promotes Weibel-Palade body exocytosis through its interaction with the Rab27A effector Slp4-a. <i>Blood</i> , 2014, 123, 3185-3194.	1.4	46
12	Protease-Activated Receptors Upregulate Cyclooxygenase-2 Expression in Human Endothelial Cells. <i>Thrombosis and Haemostasis</i> , 2002, 88, 321-328.	3.4	45
13	Fast-Response Calmodulin-Based Fluorescent Indicators Reveal Rapid Intracellular Calcium Dynamics. <i>Scientific Reports</i> , 2015, 5, 15978.	3.3	45
14	Acetylcholine-stimulated changes of membrane potential and intracellular Ca <sup>2+</sup> concentration recorded in endothelial cells in situ in the isolated rat aorta. <i>Pflügers Archiv European Journal of Physiology</i> , 1994, 428, 476-484.	2.8	43
15	Weibel-Palade Body Localized Syntaxin-3 Modulates Von Willebrand Factor Secretion From Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1549-1561.	2.4	35
16	Analogue computation of transient changes of intracellular free Ca <sup>2+</sup> concentration with the low affinity Ca <sup>2+</sup> indicator fura2/AM during whole-cell patch-clamp recording. <i>Pflügers Archiv European Journal of Physiology</i> , 1995, 429, 587-591.	2.8	33
17	Differential exocytosis from human endothelial cells evoked by high intracellular Ca <sup>2+</sup> concentration. <i>Journal of Physiology</i> , 2002, 544, 741-755.	2.9	32
18	Temperature-Dependence of Weibel-Palade Body Exocytosis and Cell Surface Dispersal of von Willebrand Factor and Its Propolypeptide. <i>PLoS ONE</i> , 2011, 6, e27314.	2.5	30

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19	Kinetics of Ca <sup>2+</sup> -release by InsP <sub>3</sub> in pig single aortic endothelial cells: evidence for an inhibitory role of cytosolic Ca <sup>2+</sup> in regulating hormonally evoked Ca <sup>2+</sup> -spikes. <i>Journal of Physiology</i> , 1997, 504, 17-33.	2.9	29
20	Differential Effect of Extracellular Acidosis on the Release and Dispersal of Soluble and Membrane Proteins Secreted from the Weibel-Palade Body. <i>Journal of Biological Chemistry</i> , 2009, 284, 12459-12468.	3.4	29
21	Multiple CaMKII Binding Modes to the Actin Cytoskeleton Revealed by Single-Molecule Imaging. <i>Biophysical Journal</i> , 2016, 111, 395-408.	0.5	29
22	Stimulated release of intraluminal vesicles from Weibel-Palade bodies. <i>Blood</i> , 2019, 133, 2707-2717.	1.4	29
23	Interaction between MyRIP and the actin cytoskeleton regulates Weibel-Palade body trafficking and exocytosis. <i>Journal of Cell Science</i> , 2015, 129, 592-603.	2.0	28
24	Protein mobilities and P-selectin storage in Weibel-Palade bodies. <i>Journal of Cell Science</i> , 2010, 123, 2964-2975.	2.0	26
25	Mechanism and function of Vav1 localization in TCR signaling. <i>Journal of Cell Science</i> , 2012, 125, 5302-14.	2.0	26
26	Kinetics of intracellular calcium release by inositol 1, 4, 5-trisphosphate and extracellular ATP in porcine cultured aortic endothelial cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1992, 250, 235-241.	2.6	22
27	Is there more than one way to unpack a Weibel-Palade body?. <i>Blood</i> , 2015, 126, 2165-2167.	1.4	15
28	Synaptotagmin 5 regulates calcium-dependent Weibel-Palade body exocytosis in human endothelial cells. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	15
29	GDP/GTP exchange factor MADD drives activation and recruitment of secretory Rab GTPases to Weibel-Palade bodies. <i>Blood Advances</i> , 2021, 5, 5116-5127.	5.2	14
30	Differential Cargo Mobilisation within Weibel-Palade Bodies after Transient Fusion with the Plasma Membrane. <i>PLoS ONE</i> , 2014, 9, e108093.	2.5	14
31	Characterisation of Weibel-Palade body fusion by amperometry in endothelial cells reveals fusion pore dynamics and the effect of cholesterol on exocytosis. <i>Journal of Cell Science</i> , 2013, 126, 5490-9.	2.0	11
32	Integration of calcium signals by calmodulin in rat sensory neurons. <i>European Journal of Neuroscience</i> , 2002, 15, 661-670.	2.6	10
33	Membrane capacitance changes induced by thrombin and calcium in single endothelial cells cultured from human umbilical vein. <i>Journal of Physiology</i> , 1998, 513, 845-855.	2.9	9
34	Antibody Alone Is Not a Stimulator of Exocytosis of Weibel-Palade Bodies From Human Endothelial Cells. <i>Transplantation</i> , 2012, 94, 794-801.	1.0	5
35	P-selectin mobility undergoes a sol-gel transition as it diffuses from exocytosis sites into the cell membrane. <i>Nature Communications</i> , 2022, 13, .	12.8	3
36	WPBs: making a mark and leaving a trail. <i>Blood</i> , 2019, 134, 909-910.	1.4	1

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37	Weibel-Palade Body Membrane Identity and Intra-Organellar Protein Mobilities Following Transient Plasma Membrane Fusion. <i>Biophysical Journal</i> , 2011, 100, 409a-410a.	0.5	0
38	Role of the Cytoskeleton in the Regulation of Weibel-Palade Body Exocytosis. <i>Biophysical Journal</i> , 2012, 102, 317a.	0.5	0
39	Ultrastructural and Functional Analysis of Weibel-Palade Bodies. <i>Biophysical Journal</i> , 2018, 114, 284a.	0.5	0
40	Regulation of Stimulated and Basal Release of Weibel-Palade Bodies By Syntaxin-3 Containing SNARE-Complexes. <i>Blood</i> , 2014, 124, 1440-1440.	1.4	0