Peter A Mccourt

List of Publications by Year
in descending order

46 papers	1,618 citations	331670 21 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	1828 citing authors

#	Article	IF	Citations
1	From fixed-dried to wet-fixed to liveÂâ€“ comparative super-resolution microscopy of liver sinusoidal endothelial cell fenestrations. Nanophotonics, 2022, .	6.0	3
2	Quantum Dot Nanomedicine Formulations Dramatically Improve Pharmacological Properties and Alter Uptake Pathways of Metformin and Nicotinamide Mononucleotide in Aging Mice. ACS Nano, 2021, 15, 4710-4727.	14.6	12
3	The wHole Story About Fenestrations in LSEC. Frontiers in Physiology, 2021, 12, 735573.	2.8	29
4	The Scavenger Function of Liver Sinusoidal Endothelial Cells in Health and Disease. Frontiers in Physiology, 2021, 12, 757469.	2.8	50
5	Multimodal on-chip nanoscopy and quantitative phase imaging reveals the nanoscale morphology of liver sinusoidal endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
6	Autofluorescence in freshly isolated adult human liver sinusoidal cells. European Journal of Histochemistry, 2021, 65, .	1.5	4
7	Transcriptome and proteome profiling reveal complementary scavenger and immune features of rat liver sinusoidal endothelial cells and liver macrophages. BMC Molecular and Cell Biology, 2020, 21, 85.	2.0	21
8	Photonic-chip assisted correlative light and electron microscopy. Communications Biology, 2020, 3, 739.	4.4	9
9	Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. ACS Nano, 2020, 14, 1492-1507.	14.6	32
10	Liver sinusoidal endothelial cells contribute to the uptake and degradation of entero bacterial viruses. Scientific Reports, 2020, 10, 898.	3.3	35
11	Cost-efficient nanoscopy reveals nanoscale architecture of liver cells and platelets. Nanophotonics, 2019, 8, 1299-1313.	6.0	12
12	Novel targets for delaying aging: The importance of the liver and advances in drug delivery. Advanced Drug Delivery Reviews, 2018, 135, 39-49.	13.7	28
13	New ways of looking at very small holes â€“ using optical nanoscopy to visualize liver sinusoidal endothelial cell fenestrations. Nanophotonics, 2018, 7, 575-596.	6.0	18
14	Agents and medicines that reverse age related pseudocapillarization of liver sinusoidal endothelial cells in mice. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-7-20.	0.0	0
15	Chip-based wide field-of-view nanoscopy. Nature Photonics, 2017, 11, 322-328.	31.4	128
16	Identification of adult endothelial stem cells with endothelial and hematopoietic reconstitution potential. Experimental Hematology, 2016, 44, S44.	0.4	0
17	Multimodal super-resolution optical microscopy visualizes the close connection between membrane and the cytoskeleton in liver sinusoidal endothelial cell fenestrations. Scientific Reports, 2015, 5, 16279.	3.3	62
18	Chip-based optical microscopy for imaging membrane sieve plates of liver scavenger cells. , 2015, , .		0

#	Article	IF	Citations
19	Optical nanoscopy to reveal structural and functional properties of liver cells (Presentation) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.8	0
20	Squeezing red blood cells on an optical waveguide to monitor cell deformability during blood storage. Analyst, The, 2015, 140, 223-229.	3.5	18
21	Efficient Uptake of Blood-Borne BK and JC Polyomavirus-Like Particles in Endothelial Cells of Liver Sinusoids and Renal Vasa Recta. PLoS ONE, 2014, 9, e111762.	2.5	44
22	Optical deformation of red blood cells trapped on a narrow waveguide. , 2014, , .		0
23	Imaging fenestrations in liver sinusoidal endothelial cells by optical localization microscopy. Physical Chemistry Chemical Physics, 2014, 16, 12576-12581.	2.8	34
24	Hepatic disposal of advanced glycation end products during maturation and aging. Experimental Gerontology, 2013, 48, 549-556.	2.8	19
25	The scavenger endothelial cell: a new player in homeostasis and immunity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R1217-R1230.	1.8	174
26	Role of liver sinusoidal endothelial cells and stabilins in elimination of oxidized low-density lipoproteins. American Journal of Physiology - Renal Physiology, 2011, 300, G71-G81.	3.4	95
27	Experimental and numerical study of trapping of cells on a waveguide. , 2011, , .		0
28	Optical trapping forces on biological cells on a waveguide surface. , 2011, , .		1
29	Age-Related Changes in Scavenger Receptorâ€"Mediated Endocytosis in Rat Liver Sinusoidal Endothelial Cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 951-960.	3.6	45
30	Optical trapping and propulsion of red blood cells on waveguide surfaces. Optics Express, 2010, 18, 21053.	3.4	62
31	Three-dimensional structured illumination microscopy of liver sinusoidal endothelial cell fenestrations. Journal of Structural Biology, 2010, 171, 382-388.	2.8	82
32	Porcine liver sinusoidal endothelial cells contribute significantly to intrahepatic ammonia metabolism. Hepatology, 2009, 50, 900-908.	7.3	5
33	Endocytosis of Advanced Glycation End-Products in Bovine Choriocapillaris Endothelial Cells. Microcirculation, 2009, 16, 640-655.	1.8	20
34	Stabilins are expressed in bone marrow sinusoidal endothelial cells and mediate scavenging and cell adhesive functions. Biochemical and Biophysical Research Communications, 2009, 390, 883-886.	2.1	32
35	Liver sinusoidal endothelial cells depend on mannose receptor-mediated recruitment of lysosomal enzymes for normal degradation capacity. Hepatology, 2008, 48, 2007-2015.	7.3	71
36	Stabilin-1 and Stabilin-2 Are Expressed in Bone Marrow Sinusoidal Endothelial Cells and Mediate Scavenging and Cell Adhesive Functions. Blood, 2008, 112, 1368-1368.	1.4	0

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37	The mannose receptor on murine liver sinusoidal endothelial cells is the main denatured collagen clearance receptor. Hepatology, 2007, 45, 1454-1461.	7.3	104
38	Involvement of signaling of VEGF and TGF-Î² in differentiation of sinusoidal endothelial cells during culture of fetal rat liver cells. Cell and Tissue Research, 2007, 329, 273-282.	2.9	26
39	Stabilin-1 and stabilin-2 are both directed into the early endocytic pathway in hepatic sinusoidal endothelium via interactions with clathrin/AP-2, independent of ligand binding. Experimental Cell Research, 2005, 303, 160-173.	2.6	127
40	Lack of recognition of NÎµ-(carboxymethyl)lysine by the mouse liver reticulo-endothelial system: implications for pathophysiology. Biochemical and Biophysical Research Communications, 2003, 309, 786-791.	2.1	8
41	Characterization of a hyaluronan receptor on rat sinusoidal liver endothelial cells and its functional relationship to scavenger receptors. Hepatology, 1999, 30, 1276-1286.	7.3	122
42	On the adsorption of hyaluronan and ICAM-1 to modified hydrophobic resins. International Journal of Biochemistry and Cell Biology, 1997, 29, 1179-1189.	2.8	25
43	Evidence for receptors for hyaluronan in discrete nerve cell populations of the brain. Brain Research, 1996, 736, 329-337.	2.2	11
44	Hurler syndrome: A patient with abnormally high levels of Î±-l-iduronidase protein. Biochemical Medicine and Metabolic Biology, 1992, 47, 211-220.	0.7	20
45	A specific fluorogenic assay for N-acetylgalactosamine-4-sulphatase activity using immunoadsorption. Journal of Inherited Metabolic Disease, 1991, 14, 5-12.	3.6	12
46	Immunoquantification of the low abundance lysosomal enzymeN-acetylgalactosamine 4-sulphatase. Journal of Inherited Metabolic Disease, 1990, 13, 108-120.	3.6	12