

Peter A Mccourt

List of Publications by Year in descending order

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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	The scavenger endothelial cell: a new player in homeostasis and immunity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R1217-R1230.	1.8	174
2	Chip-based wide field-of-view nanoscopy. <i>Nature Photonics</i> , 2017, 11, 322-328.	31.4	128
3	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. <i>Experimental Cell Research</i> , 2005, 303, 160-173.	2.6	127
4	Characterization of a hyaluronan receptor on rat sinusoidal liver endothelial cells and its functional relationship to scavenger receptors. <i>Hepatology</i> , 1999, 30, 1276-1286.	7.3	122
5	The mannose receptor on murine liver sinusoidal endothelial cells is the main denatured collagen clearance receptor. <i>Hepatology</i> , 2007, 45, 1454-1461.	7.3	104
6	Role of liver sinusoidal endothelial cells and stabilins in elimination of oxidized low-density lipoproteins. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 300, G71-G81.	3.4	95
7	Three-dimensional structured illumination microscopy of liver sinusoidal endothelial cell fenestrations. <i>Journal of Structural Biology</i> , 2010, 171, 382-388.	2.8	82
8	Liver sinusoidal endothelial cells depend on mannose receptor-mediated recruitment of lysosomal enzymes for normal degradation capacity. <i>Hepatology</i> , 2008, 48, 2007-2015.	7.3	71
9	Optical trapping and propulsion of red blood cells on waveguide surfaces. <i>Optics Express</i> , 2010, 18, 21053.	3.4	62
10	Multimodal super-resolution optical microscopy visualizes the close connection between membrane and the cytoskeleton in liver sinusoidal endothelial cell fenestrations. <i>Scientific Reports</i> , 2015, 5, 16279.	3.3	62
11	The Scavenger Function of Liver Sinusoidal Endothelial Cells in Health and Disease. <i>Frontiers in Physiology</i> , 2021, 12, 757469.	2.8	50
12	Age-Related Changes in Scavenger Receptor-Mediated Endocytosis in Rat Liver Sinusoidal Endothelial Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 951-960.	3.6	45
13	Efficient Uptake of Blood-Borne BK and JC Polyomavirus-Like Particles in Endothelial Cells of Liver Sinusoids and Renal Vasa Recta. <i>PLoS ONE</i> , 2014, 9, e111762.	2.5	44
14	Liver sinusoidal endothelial cells contribute to the uptake and degradation of entero bacterial viruses. <i>Scientific Reports</i> , 2020, 10, 898.	3.3	35
15	Imaging fenestrations in liver sinusoidal endothelial cells by optical localization microscopy. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12576-12581.	2.8	34
16	Stabilins are expressed in bone marrow sinusoidal endothelial cells and mediate scavenging and cell adhesive functions. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 883-886.	2.1	32
17	Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. <i>ACS Nano</i> , 2020, 14, 1492-1507.	14.6	32
18	The wHole Story About Fenestrations in LSEC. <i>Frontiers in Physiology</i> , 2021, 12, 735573.	2.8	29

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19	Novel targets for delaying aging: The importance of the liver and advances in drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2018, 135, 39-49.	13.7	28
20	Involvement of signaling of VEGF and TGF- β^2 in differentiation of sinusoidal endothelial cells during culture of fetal rat liver cells. <i>Cell and Tissue Research</i> , 2007, 329, 273-282.	2.9	26
21	On the adsorption of hyaluronan and ICAM-1 to modified hydrophobic resins. <i>International Journal of Biochemistry and Cell Biology</i> , 1997, 29, 1179-1189.	2.8	25
22	Transcriptome and proteome profiling reveal complementary scavenger and immune features of rat liver sinusoidal endothelial cells and liver macrophages. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 85.	2.0	21
23	Hurler syndrome: A patient with abnormally high levels of β -L-iduronidase protein. <i>Biochemical Medicine and Metabolic Biology</i> , 1992, 47, 211-220.	0.7	20
24	Endocytosis of Advanced Glycation End-Products in Bovine Choriocapillaris Endothelial Cells. <i>Microcirculation</i> , 2009, 16, 640-655.	1.8	20
25	Hepatic disposal of advanced glycation end products during maturation and aging. <i>Experimental Gerontology</i> , 2013, 48, 549-556.	2.8	19
26	Squeezing red blood cells on an optical waveguide to monitor cell deformability during blood storage. <i>Analyst</i> , 2015, 140, 223-229.	3.5	18
27	New ways of looking at very small holes " using optical nanoscopy to visualize liver sinusoidal endothelial cell fenestrations. <i>Nanophotonics</i> , 2018, 7, 575-596.	6.0	18
28	Immunoquantification of the low abundance lysosomal enzyme N-acetylgalactosamine 4-sulphatase. <i>Journal of Inherited Metabolic Disease</i> , 1990, 13, 108-120.	3.6	12
29	A specific fluorogenic assay for N-acetylgalactosamine-4-sulphatase activity using immunoadsorption. <i>Journal of Inherited Metabolic Disease</i> , 1991, 14, 5-12.	3.6	12
30	Cost-efficient nanoscopy reveals nanoscale architecture of liver cells and platelets. <i>Nanophotonics</i> , 2019, 8, 1299-1313.	6.0	12
31	Quantum Dot Nanomedicine Formulations Dramatically Improve Pharmacological Properties and Alter Uptake Pathways of Metformin and Nicotinamide Mononucleotide in Aging Mice. <i>ACS Nano</i> , 2021, 15, 4710-4727.	14.6	12
32	Evidence for receptors for hyaluronan in discrete nerve cell populations of the brain. <i>Brain Research</i> , 1996, 736, 329-337.	2.2	11
33	Photonic-chip assisted correlative light and electron microscopy. <i>Communications Biology</i> , 2020, 3, 739.	4.4	9
34	Lack of recognition of N β -(carboxymethyl)lysine by the mouse liver reticulo-endothelial system: implications for pathophysiology. <i>Biochemical and Biophysical Research Communications</i> , 2003, 309, 786-791.	2.1	8
35	Multimodal on-chip nanoscopy and quantitative phase imaging reveals the nanoscale morphology of liver sinusoidal endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
36	Porcine liver sinusoidal endothelial cells contribute significantly to intrahepatic ammonia metabolism. <i>Hepatology</i> , 2009, 50, 900-908.	7.3	5

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37	Autofluorescence in freshly isolated adult human liver sinusoidal cells. <i>European Journal of Histochemistry</i> , 2021, 65, .	1.5	4
38	From fixed-dried to wet-fixed to live“ comparative super-resolution microscopy of liver sinusoidal endothelial cell fenestrations. <i>Nanophotonics</i> , 2022, .	6.0	3
39	Optical trapping forces on biological cells on a waveguide surface. , 2011, , .		1
40	Experimental and numerical study of trapping of cells on a waveguide. , 2011, , .		0
41	Optical deformation of red blood cells trapped on a narrow waveguide. , 2014, , .		0
42	Chip-based optical microscopy for imaging membrane sieve plates of liver scavenger cells. , 2015, , .		0
43	Optical nanoscopy to reveal structural and functional properties of liver cells (Presentation) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TFS	0.8	0
44	Identification of adult endothelial stem cells with endothelial and hematopoietic reconstitution potential. <i>Experimental Hematology</i> , 2016, 44, S44.	0.4	0
45	Stabilin-1 and Stabilin-2 Are Expressed in Bone Marrow Sinusoidal Endothelial Cells and Mediate Scavenging and Cell Adhesive Functions. <i>Blood</i> , 2008, 112, 1368-1368.	1.4	0
46	Agents and medicines that reverse age related pseudocapillarization of liver sinusoidal endothelial cells in mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO2-7-20.	0.0	0