

Shannon N Tessier

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

1,411
citations

331538

21
h-index

377752

34
g-index

72
all docs

72
docs citations

72
times ranked

1698
citing authors

#	ARTICLE	IF	CITATIONS
1	Exceeding the Limits of Static Cold Storage in Limb Transplantation Using Subnormothermic Machine Perfusion. <i>Journal of Reconstructive Microsurgery</i> , 2023, 39, 350-360.	1.0	6
2	Optimization of Ex Vivo Machine Perfusion and Transplantation of Vascularized Composite Allografts. <i>Journal of Surgical Research</i> , 2022, 270, 151-161.	0.8	8
3	New Methods to Extend Perfusion Duration of Rat Cardiac Grafts. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, S300.	0.3	0
4	Partial freezing of rat livers extends preservation time by 5-fold. <i>Nature Communications</i> , 2022, 13, .	5.8	18
5	Modulating Nrf2 transcription factor activity: Revealing the regulatory mechanisms of antioxidant defenses during hibernation in 13-lined ground squirrels. <i>Cell Biochemistry and Function</i> , 2021, 39, 623-635.	1.4	4
6	Zebrafish as a New Tool in Heart Preservation Research. <i>Journal of Cardiovascular Development and Disease</i> , 2021, 8, 39.	0.8	4
7	Isolation of intact extracellular vesicles from cryopreserved samples. <i>PLoS ONE</i> , 2021, 16, e0251290.	1.1	7
8	Epigenetic regulation by DNA methyltransferases during torpor in the thirteen-lined ground squirrel <i>Ictidomys tridecemlineatus</i> . <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3975-3985.	1.4	6
9	Non-invasive quantification of the mitochondrial redox state in livers during machine perfusion. <i>PLoS ONE</i> , 2021, 16, e0258833.	1.1	2
10	The effect of blood cells retained in rat livers during static cold storage on viability outcomes during normothermic machine perfusion. <i>Scientific Reports</i> , 2021, 11, 23128.	1.6	1
11	The efficacy of HBOC-201 in ex situ gradual rewarming kidney perfusion in a rat model. <i>Artificial Organs</i> , 2020, 44, 81-90.	1.0	25
12	REAL-TIME VIABILITY ASSESSMENT DURING NORMOTHERMIC MACHINE PERFUSION WITH RAMAN SPECTROSCOPY. <i>Transplantation</i> , 2020, 104, S252-S252.	0.5	0
13	Dehydration stress alters the mitogen-activated-protein kinase signaling and chaperone stress response in <i>Xenopus laevis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 246-247, 110461.	0.7	4
14	Megakaryocytes contain extranuclear histones and may be a source of platelet-associated histones during sepsis. <i>Scientific Reports</i> , 2020, 10, 4621.	1.6	17
15	Cell release during perfusion reflects cold ischemic injury in rat livers. <i>Scientific Reports</i> , 2020, 10, 1102.	1.6	11
16	Subzero non-frozen preservation of human livers in the supercooled state. <i>Nature Protocols</i> , 2020, 15, 2024-2040.	5.5	31
17	Extending preservation duration of hearts and livers with partial freezing. <i>Cryobiology</i> , 2020, 97, 268.	0.3	0
18	Bulk Droplet Vitrification for Primary Hepatocyte Preservation. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2

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19	Supercooling extends preservation time of human livers. <i>Nature Biotechnology</i> , 2019, 37, 1131-1136.	9.4	113
20	Molecular control of protein synthesis, glucose metabolism, and apoptosis in the brain of hibernating thirteen-lined ground squirrels. <i>Biochemistry and Cell Biology</i> , 2019, 97, 536-544.	0.9	10
21	Ex vivo perfusion-based engraftment of genetically engineered cell sensors into transplantable organs. <i>PLoS ONE</i> , 2019, 14, e0225222.	1.1	10
22	Leveraging the zebrafish to model organ transplantation. <i>Current Opinion in Organ Transplantation</i> , 2019, 24, 613-619.	0.8	4
23	Bulk Droplet Vitrification: An Approach to Improve Large-Scale Hepatocyte Cryopreservation Outcome. <i>Langmuir</i> , 2019, 35, 7354-7363.	1.6	25
24	The heart of a hibernator: EGFR and MAPK signaling in cardiac muscle during the hibernation of thirteen-lined ground squirrels, <i>Ictidomys tridecemlineatus</i> . <i>PeerJ</i> , 2019, 7, e7587.	0.9	16
25	Title is missing!. , 2019, 14, e0225222.		0
26	Title is missing!. , 2019, 14, e0225222.		0
27	Title is missing!. , 2019, 14, e0225222.		0
28	Title is missing!. , 2019, 14, e0225222.		0
29	Strategies of biochemical adaptation for hibernation in a South American marsupial <i>Dromiciops gliroides</i> : 1. Mitogen-activated protein kinases and the cell stress response. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 12-18.	0.7	12
30	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 4. Regulation of pyruvate dehydrogenase complex and metabolic fuel selection. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 32-37.	0.7	11
31	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 2. Control of the Akt pathway and protein translation machinery. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 19-25.	0.7	14
32	Metabolic suppression in the pelagic crab, <i>Pleuroncodes planipes</i> , in oxygen minimum zones. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 88-97.	0.7	23
33	Strategies of biochemical adaptation for hibernation in a South American marsupial, <i>Dromiciops gliroides</i> : 3. Activation of pro-survival response pathways. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 26-31.	0.7	7
34	Advances in machine perfusion, organ preservation, and cryobiology: potential impact on vascularized composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018, 23, 561-567.	0.8	26
35	Extending the Human Liver Preservation Time for Transplantation by Supercooling. <i>Transplantation</i> , 2018, 102, S396.	0.5	11
36	Stress-induced antioxidant defense and protein chaperone response in the freeze-tolerant wood frog <i>Rana sylvatica</i> . <i>Cell Stress and Chaperones</i> , 2018, 23, 1205-1217.	1.2	23

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37	Effect of Ice Nucleation and Cryoprotectants during High Subzero-Preservation in Endothelialized Microchannels. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 3006-3015.	2.6	18
38	Anti-thrombotic strategies for microfluidic blood processing. <i>Lab on A Chip</i> , 2018, 18, 2146-2155.	3.1	8
39	Ultra-fast vitrification of patient-derived circulating tumor cell lines. <i>PLoS ONE</i> , 2018, 13, e0192734.	1.1	9
40	Enhanced Isolation and Release of Circulating Tumor Cells Using Nanoparticle Binding and Ligand Exchange in a Microfluidic Chip. <i>Journal of the American Chemical Society</i> , 2017, 139, 2741-2749.	6.6	226
41	The role of global histone post-translational modifications during mammalian hibernation. <i>Cryobiology</i> , 2017, 75, 28-36.	0.3	22
42	Controlled ice nucleation using freeze-dried <i>Pseudomonas syringae</i> encapsulated in alginate beads. <i>Cryobiology</i> , 2017, 75, 1-6.	0.3	27
43	Regulation of the insulin- β -Akt signaling pathway and glycolysis during dehydration stress in the African clawed frog <i>Xenopus laevis</i> . <i>Biochemistry and Cell Biology</i> , 2017, 95, 663-671.	0.9	11
44	Regulation of pyruvate dehydrogenase (PDH) in the hibernating ground squirrel, (<i>Ictidomys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 462 T	1.1	25
45	MAP kinase signaling and Elk1 transcriptional activity in hibernating thirteen-lined ground squirrels. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2811-2821.	1.1	8
46	Whole blood stabilization for the microfluidic isolation and molecular characterization of circulating tumor cells. <i>Nature Communications</i> , 2017, 8, 1733.	5.8	53
47	Bacterial Ice Nucleation in Monodisperse D ₂ O and H ₂ O-in-Oil Emulsions. <i>Langmuir</i> , 2016, 32, 9229-9236.	1.6	27
48	Inhibition of skeletal muscle atrophy during torpor in ground squirrels occurs through downregulation of MyoG and inactivation of Foxo4. <i>Cryobiology</i> , 2016, 73, 112-119.	0.3	15
49	Lessons from mammalian hibernators: molecular insights into striated muscle plasticity and remodeling. <i>Biomolecular Concepts</i> , 2016, 7, 69-92.	1.0	17
50	Response of the JAK-STAT pathway to mammalian hibernation in 13-lined ground squirrel striated muscle. <i>Molecular and Cellular Biochemistry</i> , 2016, 414, 115-127.	1.4	17
51	Regulation of Torpor in the Gray Mouse Lemur: Transcriptional and Translational Controls and Role of AMPK Signaling. <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 103-110.	3.0	22
52	Induction of Antioxidant and Heat Shock Protein Responses During Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 119-126.	3.0	36
53	Cytokine and Antioxidant Regulation in the Intestine of the Gray Mouse Lemur (<i>Microcebus murinus</i>) During Torpor. <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 127-135.	3.0	6
54	Regulation of the PI3K/AKT Pathway and Fuel Utilization During Primate Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 91-102.	3.0	29

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55	Modulation of Gene Expression in Key Survival Pathways During Daily Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 111-118.	3.0	18
56	Primate Torpor: Regulation of Stress-activated Protein Kinases During Daily Torpor in the Gray Mouse Lemur, <i>Microcebus murinus</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 81-90.	3.0	30
57	The Regulation of Troponins I, C and ANP by GATA4 and Nkx2-5 in Heart of Hibernating Thirteen-Lined Ground Squirrels, <i>Ictidomys tridecemlineatus</i> . <i>PLoS ONE</i> , 2015, 10, e0117747.	1.1	21
58	Transitioning between entry and exit from mammalian torpor. <i>Temperature</i> , 2014, 1, 92-93.	1.6	2
59	The involvement of mRNA processing factors TIA-1, TIAR, and PABP-1 during mammalian hibernation. <i>Cell Stress and Chaperones</i> , 2014, 19, 813-825.	1.2	13
60	Characterization of adipocyte stress response pathways during hibernation in thirteen-lined ground squirrels. <i>Molecular and Cellular Biochemistry</i> , 2014, 393, 271-282.	1.4	38
61	Metabolic suppression during protracted exposure to hypoxia in the jumbo squid, <i>Dosidicus gigas</i> , living in an oxygen minimum zone. <i>Journal of Experimental Biology</i> , 2014, 217, 2555-68.	0.8	45
62	To be or not to be: the regulation of mRNA fate as a survival strategy during mammalian hibernation. <i>Cell Stress and Chaperones</i> , 2014, 19, 763-776.	1.2	18
63	The effects of hibernation on the contractile and biochemical properties of skeletal muscles in the thirteen-lined ground squirrel, <i>Ictidomys tridecemlineatus</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 2587-94.	0.8	39
64	Anti-apoptotic signaling as a cytoprotective mechanism in mammalian hibernation. <i>PeerJ</i> , 2013, 1, e29.	0.9	69
65	Myocyte enhancer factor-2 and cardiac muscle gene expression during hibernation in thirteen-lined ground squirrels. <i>Gene</i> , 2012, 501, 8-16.	1.0	30
66	Expression of myocyte enhancer factor-2 and downstream genes in ground squirrel skeletal muscle during hibernation. <i>Molecular and Cellular Biochemistry</i> , 2010, 344, 151-162.	1.4	50
67	Organ repair and regeneration: Preserving organs in the regenerative medicine era Orlando Giuseppe Keshavjee Shaf (Eds). Elsevier, 2021, 304 pages. <i>American Journal of Transplantation</i> , 0, , .	2.6	0