

# Lisa Stehno-Bittel

## List of Publications by Year in descending order

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82  
papers

3,402  
citations

147786

31  
h-index

144002

57  
g-index

86  
all docs

86  
docs citations

86  
times ranked

4147  
citing authors

#	ARTICLE	IF	CITATIONS
1	PEGDA microencapsulated allogeneic islets reverse canine diabetes without immunosuppression. PLoS ONE, 2022, 17, e0267814.	2.5	3
2	A Versatile Microencapsulation Platform for Hyaluronic Acid and Polyethylene Glycol. Tissue Engineering - Part A, 2021, 27, 153-164.	3.1	17
3	Viability, yield and expansion capability of feline MSCs obtained from subcutaneous and reproductive organ adipose depots. BMC Veterinary Research, 2021, 17, 244.	1.9	1
4	Hyaluronic Acid Hydrogel Microspheres for Slow Release Stem Cell Delivery. ACS Biomaterials Science and Engineering, 2021, 7, 3754-3763.	5.2	22
5	Improved harmonization of critical characterization assays across cell therapies. Regenerative Medicine, 2020, 15, 1661-1678.	1.7	10
6	New Anticancer Immunotherapies: Implications for Physical Therapy. Rehabilitation Oncology, 2019, 37, 128-137.	0.5	0
7	Deletion of the insulin receptor in sensory neurons increases pancreatic insulin levels. Experimental Neurology, 2018, 305, 97-107.	4.1	13
8	The Flaws and Future of Islet Volume Measurements. Cell Transplantation, 2018, 27, 1017-1026.	2.5	29
9	Capsule Commentary on Woodard et al., Impact of Patient-Centered Medical Home Implementation on Diabetes Control in the Veterans Health Administration. Journal of General Internal Medicine, 2018, 33, 1384-1384.	2.6	0
10	Hyaluronic Acid/Collagen Hydrogel as an Alternative to Alginate for Long-Term Immunoprotected Islet Transplantation. Tissue Engineering - Part A, 2017, 23, 1088-1099.	3.1	50
11	An Automated Multiplexed Hepatotoxicity and CYP Induction Assay Using HepaRG Cells in 2D and 3D. SLAS Discovery, 2017, 22, 614-625.	2.7	36
12	Long-term cryopreservation of reaggregated pancreatic islets resulting in successful transplantation in rats. Cryobiology, 2017, 76, 41-50.	0.7	14
13	Integration of mesenchymal stem cells into islet cell spheroids improves long-term viability, but not islet function. Islets, 2017, 9, 87-98.	1.8	7
14	Improved yield of canine islet isolation from deceased donors. BMC Veterinary Research, 2017, 13, 264.	1.9	9
15	A simple, reliable method for high-throughput screening for diabetes drugs using 3D $\beta$ -cell spheroids. Journal of Pharmacological and Toxicological Methods, 2016, 82, 83-89.	0.7	17
16	A Simple Method to Replace Islet Equivalents for Volume Quantification of Human Islets. Cell Transplantation, 2015, 24, 1183-1194.	2.5	21
17	Differences in insulin biosynthesis pathway between small and large islets do not correspond to insulin secretion. Islets, 2015, 7, e1129097.	1.8	2
18	Arum Palaestinum with isovanillin, linolenic acid and $\beta$ -sitosterol inhibits prostate cancer spheroids and reduces the growth rate of prostate tumors in mice. BMC Complementary and Alternative Medicine, 2015, 15, 264.	3.7	18

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19	Assessment of reâ€agggregated human pancreatic islets for secondary drug screening. British Journal of Pharmacology, 2014, 171, 3010-3022.	5.4	15
20	A novel three-dimensional stromal-based model for<i>in vitro</i>chemotherapy sensitivity testing of leukemia cells. Leukemia and Lymphoma, 2014, 55, 378-391.	1.3	89
21	A replacement for islet equivalents with improved reliability and validity. Acta Diabetologica, 2013, 50, 687-696.	2.5	25
22	Long-term liraglutide treatment is associated with increased insulin content and secretion in $\beta^2$ -cells, and a loss of $\beta^1$ -cells in ZDF rats. Pharmacological Research, 2013, 76, 58-66.	7.1	31
23	Generating CK19-Positive Cells with Hair-Like Structures from Wharton's Jelly Mesenchymal Stromal Cells. Stem Cells and Development, 2013, 22, 18-26.	2.1	12
24	Elimination of T cell reactivity to pancreatic $\beta^2$ cells and partial preservation of $\beta^2$ cell activity by peptide blockade of LFA-1:ICAM-1 interaction in the NOD mouse model. Clinical Immunology, 2013, 148, 149-161.	3.2	3
25	Variations in Rodent Models of Type 1 Diabetes: Islet Morphology. Journal of Diabetes Research, 2013, 2013, 1-13.	2.3	25
26	Engineering Islets for Improved Performance by Optimized Reaggregation in a Micromold. Tissue Engineering - Part A, 2013, 19, 604-612.	3.1	29
27	<b>Small human islets comprised of more</b> $\beta^2$ <b>-cells with higher insulin content than large islets</b>. Islets, 2013, 5, 87-94.	1.8	49
28	Expression and Regulation of Nampt in Human Islets. PLoS ONE, 2013, 8, e58767.	2.5	46
29	Resistance To Chemotherapy In Leukemia Cells Grown On An Extracellular Matrix-Based Leukemia Model Derived From Whartonâ€™s Jelly. Blood, 2013, 122, 1388-1388.	1.4	2
30	Exercise for People with Diabetes: If it is all Good, Why are we still Studying it?. Journal of Diabetes & Metabolism, 2013, 01, .	0.2	0
31	Time-Dependent Alterations in Rat Macrovesels with Type 1 Diabetes. Experimental Diabetes Research, 2012, 2012, 1-11.	3.8	18
32	Organ-Based Response to Exercise in Type 1 Diabetes. Isrn Endocrinology, 2012, 2012, 1-14.	2.0	9
33	KU-32, a Novel Drug for Diabetic Neuropathy, Is Safe for Human Islets and Improves<i>In Vitro</i>Insulin Secretion and Viability. Experimental Diabetes Research, 2012, 2012, 1-11.	3.8	11
34	Diffusion into human islets is limited to molecules below 10kDa. Tissue and Cell, 2012, 44, 332-341.	2.2	14
35	A 3-Dimensional Co-Culture Model to Investigate Adhesion-Mediated Drug Resistance in Multiple Myeloma. Blood, 2012, 120, 1826-1826.	1.4	0
36	Development of diabetes in lean Ncb5or-null mice is associated with manifestations of endoplasmic reticulum and oxidative stress in beta cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 1532-1541.	3.8	17

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37	Low insulin content of large islet population is present in situ and in isolated islets. <i>Islets</i> , 2011, 3, 6-13.	1.8	52
38	Exercise Increases Insulin Content and Basal Secretion in Pancreatic Islets in Type 1 Diabetic Mice. <i>Experimental Diabetes Research</i> , 2011, 2011, 1-10.	3.8	59
39	Electrocardiographic changes with the onset of diabetes and the impact of aerobic exercise training in the Zucker Diabetic Fatty (ZDF) rat. <i>Cardiovascular Diabetology</i> , 2010, 9, 56.	6.8	32
40	Intracellular Ca <sup>2+</sup> regulating proteins in vascular smooth muscle cells are altered with type 1 diabetes due to the direct effects of hyperglycemia. <i>Cardiovascular Diabetology</i> , 2010, 9, 8.	6.8	47
41	Exercise Training Prevents Endometrial Hyperplasia and Biomarkers for Endometrial Cancer in Rat Model of Type 1 Diabetes. <i>Journal of Clinical Medicine Research</i> , 2010, 2, 207-14.	1.2	10
42	Reduction of diffusion barriers in isolated rat islets improves survival, but not insulin secretion or transplantation outcome. <i>Organogenesis</i> , 2010, 6, 115-124.	1.2	58
43	The Role of Obesity in Diabetes. , 2010, , 1-28.		1
44	Involvement of TRPC Channels in CCL2-Mediated Neuroprotection against Tat Toxicity. <i>Journal of Neuroscience</i> , 2009, 29, 1657-1669.	3.6	71
45	EFFECTS OF DIABETES AND EXERCISE ON SOFT CONNECTIVE TISSUE PROPERTIES AT THE KNEE IN THE RAT. <i>Journal of Musculoskeletal Research</i> , 2009, 12, 95-104.	0.2	1
46	Adhesion of pancreatic beta cells to biopolymer films. <i>Biopolymers</i> , 2009, 91, 676-685.	2.4	44
47	Resistance exercise training lowers HbA1c more than aerobic training in adults with type 2 diabetes. <i>Diabetology and Metabolic Syndrome</i> , 2009, 1, 27.	2.7	67
48	Intricacies of Fat. <i>Physical Therapy</i> , 2008, 88, 1265-1278.	2.4	27
49	Endurance exercise promotes cardiorespiratory rehabilitation without neurorestoration in the chronic mouse model of Parkinsonism with severe neurodegeneration. <i>Neuroscience</i> , 2007, 149, 28-37.	2.3	72
50	Two-photon microscopy with wavelength switchable fiber laser excitation. <i>Optics Express</i> , 2006, 14, 9825.	3.4	81
51	CXCL10-induced cell death in neurons: role of calcium dysregulation. <i>European Journal of Neuroscience</i> , 2006, 23, 957-964.	2.6	150
52	Abnormal EKG stress test in rats with type 1 diabetes is deterred with low-intensity exercise programme. <i>Acta Diabetologica</i> , 2006, 43, 66-74.	2.5	14
53	Exercise-induced benefits in individuals with type 1 diabetes. <i>Physical Therapy Reviews</i> , 2006, 11, 77-89.	0.8	1
54	Calcitonin gene-related peptide elevates calcium and polarizes membrane potential in MG-63 cells by both cAMP-independent and -dependent mechanisms. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C457-C467.	4.6	29

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55	Spontaneous Ca <sup>2+</sup> oscillations in subcellular compartments of vascular smooth muscle cells rely on different Ca <sup>2+</sup> pools. <i>Cell Research</i> , 2004, 14, 379-388.	12.0	9
56	Exercise Attenuates Diabetes-Induced Ultrastructural Changes in Rat Cardiac Tissue. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1863-1870.	0.4	51
57	Signal transduction pathways in mast cell granule-mediated endothelial cell activation. <i>Mediators of Inflammation</i> , 2003, 12, 79-87.	3.0	8
58	Glycation-Induced Matrix Stability in the Rabbit Achilles Tendon. <i>Archives of Biochemistry and Biophysics</i> , 2002, 399, 174-180.	3.0	93
59	Photoactivated Coumaryl-diazopyruvate Fluorescent Label for Amine Functional Groups of Tissues Containing Type-I Collagen. <i>Photochemistry and Photobiology</i> , 2002, 76, 473-479.	2.5	1
60	Photoactivated Coumaryl-diazopyruvate Fluorescent Label for Amine Functional Groups of Tissues Containing Type-I Collagen. <i>Photochemistry and Photobiology</i> , 2002, 76, 473.	2.5	6
61	The biomechanical integrity of bone in experimental diabetes. <i>Diabetes Research and Clinical Practice</i> , 2001, 54, 1-8.	2.8	108
62	Laser photostimulation accelerates wound healing in diabetic rats. <i>Wound Repair and Regeneration</i> , 2001, 9, 248-255.	3.0	162
63	Interleukin-6 Production by Endothelial Cells via Stimulation of Protease-Activated Receptors Is Amplified by Endotoxin and Tumor Necrosis Factor- $\alpha$ . <i>Journal of Interferon and Cytokine Research</i> , 2001, 21, 231-240.	1.2	120
64	Matrix remodeling in healing rabbit Achilles tendon. <i>Wound Repair and Regeneration</i> , 1999, 7, 518-527.	3.0	68
65	Measurement of Intracellular Calcium Concentration Using Confocal Microscopy. , 1999, 114, 75-92.		1
66	Calcium regulation of nuclear pore permeability. <i>Cell Calcium</i> , 1998, 23, 91-101.	2.4	58
67	Laser photostimulation of collagen production in healing rabbit achilles tendons. <i>Lasers in Surgery and Medicine</i> , 1998, 22, 281-287.	2.1	204
68	Laser photostimulation of collagen production in healing rabbit achilles tendons. <i>Lasers in Surgery and Medicine</i> , 1998, 22, 281-287.	2.1	2
69	Biochemistry and biomechanics of healing tendon: Part I. effects of rigid plaster casts and functional casts. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 788-793.	0.4	22
70	Biochemistry and biomechanics of healing tendon: Part II. effects of combined laser therapy and electrical stimulation. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 794-800.	0.4	27
71	Biochemistry and biomechanics of healing tendon. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 788-793.	0.4	11
72	Biochemistry and biomechanics of healing tendon. <i>Medicine and Science in Sports and Exercise</i> , 1998, 30, 794-800.	0.4	9

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73	Nucleoplasmic and cytoplasmic differences in the fluorescence properties of the calcium indicator Fluo-3. <i>Cell Calcium</i> , 1997, 21, 275-282.	2.4	97
74	COMBINED ULTRASOUND, ELECTRICAL STIMULATION, AND LASER PROMOTE COLLAGEN SYNTHESIS WITH MODERATE CHANGES IN TENDON BIOMECHANICS <sup>1</sup> . <i>American Journal of Physical Medicine and Rehabilitation</i> , 1997, 76, 288-296.	1.4	56
75	Conformational States of the Nuclear Pore Complex Induced by Depletion of Nuclear Ca <sup>2+</sup> Stores. <i>Science</i> , 1996, 273, 1875-1877.	12.6	190
76	Calcium Signalling in Normal and Abnormal Brain Function. <i>Neurology Report</i> , 1995, 19, 12-17.	0.2	0
77	The G Protein $\beta\gamma$ Subunit Transduces the Muscarinic Receptor Signal for Ca <sup>2+</sup> Release in <i>Xenopus</i> Oocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 30068-30074.	3.4	76
78	Calcium release from the nucleus by InsP3 receptor channels. <i>Neuron</i> , 1995, 14, 163-167.	8.1	194
79	Diffusion Across the Nuclear Envelope Inhibited by Depletion of the Nuclear Ca <sup>2+</sup> Store. <i>Science</i> , 1995, 270, 1835-1838.	12.6	199
80	[ <sup>27</sup> ] G-protein-mediated pathways assayed by electrophysiology and confocal microscopy. <i>Methods in Enzymology</i> , 1994, 238, 321-335.	1.0	0
81	Spontaneous sarcoplasmic reticulum calcium release and extrusion from bovine, not porcine, coronary artery smooth muscle.. <i>Journal of Physiology</i> , 1992, 451, 49-78.	2.9	96
82	Exercise training depletes sarcoplasmic reticulum calcium in coronary smooth muscle. <i>Journal of Applied Physiology</i> , 1991, 71, 1764-1773.	2.5	51