

Millie Hughes-Fulford

List of Publications by Year in descending order

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64
papers

3,511
citations

117625

34
h-index

138484

58
g-index

65
all docs

65
docs citations

65
times ranked

3702
citing authors

#	ARTICLE	IF	CITATIONS
1	Monolayer and Spheroid Culture of Human Liver Hepatocellular Carcinoma Cell Line Cells Demonstrate Distinct Global Gene Expression Patterns and Functional Phenotypes. <i>Tissue Engineering - Part A</i> , 2009, 15, 559-567.	3.1	261
2	Effects of Microgravity on Osteoblast Growth Activation. <i>Experimental Cell Research</i> , 1996, 224, 103-109.	2.6	228
3	Induction of cyclo-oxygenase-2 mRNA by prostaglandin E2 in human prostatic carcinoma cells. <i>British Journal of Cancer</i> , 1997, 75, 1111-1118.	6.4	196
4	Human prostate cancer cells lack feedback regulation of low-density lipoprotein receptor and its regulator, SREBP2. <i>International Journal of Cancer</i> , 2001, 91, 41-45.	5.1	154
5	Key gravity-sensitive signaling pathways drive T cell activation. <i>FASEB Journal</i> , 2005, 19, 2020-2022.	0.5	147
6	Cyclooxygenases in Human and Mouse Skin and Cultured Human Keratinocytes: Association of COX-2 Expression with Human Keratinocyte Differentiation. <i>Experimental Cell Research</i> , 1996, 224, 79-87.	2.6	128
7	Function of the cytoskeleton in gravisensing during spaceflight. <i>Advances in Space Research</i> , 2003, 32, 1585-1593.	2.6	128
8	Fatty acid regulates gene expression and growth of human prostate cancer PC-3 cells. <i>Carcinogenesis</i> , 2001, 22, 701-707.	2.8	124
9	Signal Transduction and Mechanical Stress. <i>Science Signaling</i> , 2004, 2004, re12-re12.	3.6	113
10	A Short Pulse of Mechanical Force Induces Gene Expression and Growth in MC3T3-E1 Osteoblasts via an ERK 1/2 Pathway. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 58-66.	2.8	107
11	Arachidonic Acid Activates Phosphatidylinositol 3-Kinase Signaling and Induces Gene Expression in Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 1427-1433.	0.9	106
12	The Rel/NF- κ B pathway and transcription of immediate early genes in T cell activation are inhibited by microgravity. <i>Journal of Leukocyte Biology</i> , 2012, 92, 1133-1145.	3.3	106
13	True. <i>British Journal of Cancer</i> , 2000, 82, 2000-2006.	6.4	86
14	The role of FGF-2 and BMP-2 in regulation of gene induction, cell proliferation and mineralization.. <i>Journal of Orthopaedic Surgery and Research</i> , 2011, 6, 8.	2.3	86
15	Up-Regulation of Cyclooxygenase-2 by Product-Prostaglandin E2. <i>Advances in Experimental Medicine and Biology</i> , 1997, 407, 163-170.	1.6	76
16	Spaceflight and simulated microgravity cause a significant reduction of key gene expression in early T-cell activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R480-R488.	1.8	67
17	Vibrational force alters mRNA expression in osteoblasts. <i>FASEB Journal</i> , 1997, 11, 493-497.	0.5	65
18	Short-term, High-dose Fish Oil Supplementation Increases the Production of Omega-3 Fatty Acid-derived Mediators in Patients With Peripheral Artery Disease (the OMEGA-PAD I Trial). <i>Journal of the American Heart Association</i> , 2015, 4, e002034.	3.7	64

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19	Early immune response and regulation of IL-2 receptor subunits. <i>Cellular Signalling</i> , 2005, 17, 1111-1124.	3.6	61
20	Arachidonic acid, an omega-6 fatty acid, induces cytoplasmic phospholipase A 2 in prostate carcinoma cells. <i>Carcinogenesis</i> , 2005, 26, 1520-1526.	2.8	61
21	Inhibition of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity and sterol synthesis by cholesterol sulfate in cultured fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1985, 845, 349-357.	4.1	56
22	Gene Expression and Biological Pathways in Tissue of Men with Prostate Cancer in a Randomized Clinical Trial of Lycopene and Fish Oil Supplementation. <i>PLoS ONE</i> , 2011, 6, e24004.	2.5	52
23	Nutritional supplements, COX-2 and IGF-1 expression in men on active surveillance for prostate cancer. <i>Cancer Causes and Control</i> , 2011, 22, 141-150.	1.8	50
24	Effect of dexamethasone on proliferating osteoblasts: Inhibition of prostaglandin E2 synthesis, DNA synthesis, and alterations in actin cytoskeleton. <i>Experimental Cell Research</i> , 1992, 203, 150-156.	2.6	48
25	Gravitational Loading of a Simulated Launch Alters mRNA Expression in Osteoblasts. <i>Experimental Cell Research</i> , 1996, 228, 168-171.	2.6	48
26	Effects of Gravitational Mechanical Unloading in Endothelial Cells: Association between Caveolins, Inflammation and Adhesion Molecules. <i>Scientific Reports</i> , 2013, 3, 1494.	3.3	48
27	To infinity and beyond! Human spaceflight and life science. <i>FASEB Journal</i> , 2011, 25, 2858-2864.	0.5	47
28	Molecular mechanisms underlying the enhanced functions of three-dimensional hepatocyte aggregates. <i>Biomaterials</i> , 2014, 35, 2162-2171.	11.4	46
29	Mechanically induced <i>fos</i> expression is mediated by cAMP in MC3T3E1 osteoblasts. <i>FASEB Journal</i> , 1999, 13, 553-557.	0.5	45
30	Reduction of anabolic signals and alteration of osteoblast nuclear morphology in microgravity. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 435-449.	2.6	44
31	Spaceflight alters expression of microRNA during T cell activation. <i>FASEB Journal</i> , 2015, 29, 4893-4900.	0.5	44
32	Regulation of 3-hydroxy-3-methylglutaryl-coenzyme A reductase and cholesterol synthesis and esterification during the first cell cycle of liver regeneration. <i>Lipids and Lipid Metabolism</i> , 1984, 794, 142-151.	2.6	36
33	Physiological effects of microgravity on osteoblast morphology and cell biology. <i>Advances in Space Biology and Medicine</i> , 2002, 8, 129-157.	0.5	36
34	Effects of fatty acids on endothelial cells: inflammation and monocyte adhesion. <i>Journal of Surgical Research</i> , 2012, 177, e35-e43.	1.6	36
35	Altered cell function in microgravity. <i>Experimental Gerontology</i> , 1991, 26, 247-256.	2.8	35
36	Regulation of heat shock protein message in Jurkat cells cultured under serum-starved and gravity-altered conditions. , 2000, 77, 127-134.		33

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37	Fibroblast Growth Factor-2 Is an Immediate-Early Gene Induced by Mechanical Stress in Osteogenic Cells. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 946-955.	2.8	33
38	Coordinate up-regulation of low-density lipoprotein receptor and cyclo-oxygenase-2 gene expression in human colorectal cells and in colorectal adenocarcinoma biopsies. , 1999, 83, 162-166.		31
39	Glycosylation regulates turnover of cyclooxygenase-2. <i>FEBS Letters</i> , 2006, 580, 6533-6536.	2.8	30
40	Can I take a space flight? Considerations for doctors. <i>BMJ</i> , The, 2012, 345, e8124-e8124.	6.0	30
41	Effects of dimethyl prostaglandin A1 on herpes simplex virus and human immunodeficiency virus replication. <i>Antimicrobial Agents and Chemotherapy</i> , 1992, 36, 2253-2258.	3.2	29
42	Spaceflight impairs antigen-specific tolerance induction <i>in vivo</i> and increases inflammatory cytokines. <i>FASEB Journal</i> , 2015, 29, 4122-4132.	0.5	29
43	Osteoblast fibronectin mRNA, protein synthesis, and matrix are unchanged after exposure to microgravity. <i>FASEB Journal</i> , 1999, 13, S121-7.	0.5	27
44	n-3 Polyunsaturated fatty acids supplementation in peripheral artery disease: the OMEGA-PAD trial. <i>Vascular Medicine</i> , 2013, 18, 263-274.	1.5	27
45	Review of the biological effects of weightlessness on the human endocrine system. <i>Receptor</i> , 1993, 3, 145-54.	0.8	26
46	Polyunsaturated fatty acids and peripheral artery disease. <i>Vascular Medicine</i> , 2012, 17, 51-63.	1.5	25
47	The effect of diabetes mellitus on the lymphatic transport of intestinal sterols. <i>Metabolism: Clinical and Experimental</i> , 1985, 34, 1105-1109.	3.4	24
48	Effects of microgravity on osteoblast growth. <i>Gravitational and Space Biology Bulletin: Publication of the American Society for Gravitational and Space Biology</i> , 1998, 11, 51-60.	1.0	23
49	Regulation of cholesterol metabolism in a slow-growing hepatoma <i>in vivo</i> . <i>Lipids and Lipid Metabolism</i> , 1988, 960, 131-138.	2.6	21
50	Prostaglandin E2-Induced Up-Regulation of c-fos Messenger Ribonucleic Acid Is Primarily Mediated by 5'-Cyclic Adenosine Monophosphate in MC3T3-E1 Osteoblasts. <i>Endocrinology</i> , 2000, 141, 291-298.	2.8	17
51	Inhibition of DNA synthesis and cell cycle by prostaglandins independent of cyclic AMP. <i>Advances in Prostaglandin, Thromboxane, and Leukotriene Research</i> , 1985, 15, 401-4.	0.2	12
52	Prostaglandin Regulation of Gene Expression and Growth in Normal and Malignant Tissues. <i>Advances in Experimental Medicine and Biology</i> , 1997, 400A, 269-278.	1.6	11
53	Identification of non-Hodgkin lymphoma patients at risk for treatment-related vertebral density loss and fractures. <i>Osteoporosis International</i> , 2021, 32, 281-291.	3.1	10
54	The Mechanism of Prostaglandin Inhibition on the Cell Cycle. <i>Proceedings in Life Sciences</i> , 1987, , 115-128.	0.5	8

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55	Cytoplasmic pH influences cytoplasmic calcium in MC3T3-E1 osteoblast cells. Journal of Bone and Mineral Research, 1993, 8, 725-732.	2.8	6
56	Cell cycle arrest by prostaglandin A1 at the G1/S phase interface with up-regulation of oncogenes in S-49 cycâˆ² cells. Journal of Cellular Biochemistry, 1994, 54, 265-272.	2.6	5
57	Regulation of heat shock protein message in Jurkat cells cultured under serum-starved and gravity-altered conditions. Journal of Cellular Biochemistry, 2000, 77, 127-34.	2.6	5
58	Prostaglandin E2-Induced Up-Regulation of c-fos Messenger Ribonucleic Acid Is Primarily Mediated by 3',5'-Cyclic Adenosine Monophosphate in MC3T3-E1 Osteoblasts. Endocrinology, 2000, 141, 291-298.	2.8	4
59	Growth Regulation of Gardnerâ€™s Syndrome Colorectal Cancer Cells by NSAIDS. Advances in Experimental Medicine and Biology, 1997, 407, 433-441.	1.6	4
60	Role of the Kidneys in the Metabolism of Circulating Mevalonate in Humans*. Journal of Clinical Endocrinology and Metabolism, 1986, 62, 1227-1231.	3.6	3
61	Thin film bioreactors in space. Advances in Space Research, 1989, 9, 111-117.	2.6	2
62	Space Biology (Cells to Amphibians). , 2020, , 1-10.		1
63	PS204. Mechanical (or â€™Gravitationalâ€™) Unloading Reduces Inflammatory and Cell Adhesion Molecule Gene Expression in Human Endothelial Cells. Journal of Vascular Surgery, 2012, 55, 78S-79S.	1.1	0
64	Space Biology (Cells to Amphibians). , 2021, , 205-217.		0