

Diana M Toivola

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,271
citations

159573

30
h-index

182417

51
g-index

52
all docs

52
docs citations

52
times ranked

3368
citing authors

#	ARTICLE	IF	CITATIONS
1	From Mallory to Malloryâ€“Denk bodies: What, how and why?. <i>Experimental Cell Research</i> , 2007, 313, 2033-2049.	2.6	304
2	â€“Heads and tailsâ€™ of intermediate filament phosphorylation: multiple sites and functional insights. <i>Trends in Biochemical Sciences</i> , 2006, 31, 383-394.	7.5	258
3	Intermediate filaments take the heat as stress proteins. <i>Trends in Cell Biology</i> , 2010, 20, 79-91.	7.9	238
4	Cellular integrity plus: organelle-related and protein-targeting functions of intermediate filaments. <i>Trends in Cell Biology</i> , 2005, 15, 608-617.	7.9	227
5	Keratins in health and disease. <i>Current Opinion in Cell Biology</i> , 2015, 32, 73-81.	5.4	193
6	Keratins: Guardians of the liver. <i>Hepatology</i> , 2002, 35, 251-257.	7.3	143
7	Keratins modulate colonocyte electrolyte transport via protein mistargeting. <i>Journal of Cell Biology</i> , 2004, 164, 911-921.	5.2	118
8	Cytoskeletal keratin glycosylation protects epithelial tissue from injury. <i>Nature Cell Biology</i> , 2010, 12, 876-885.	10.3	111
9	The cytoskeleton of digestive epithelia in health and disease. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, G1108-G1137.	3.4	109
10	Keratin-8-deficient mice develop chronic spontaneous Th2 colitis amenable to antibiotic treatment. <i>Journal of Cell Science</i> , 2005, 118, 1971-1980.	2.0	84
11	Keratin 20 Helps Maintain Intermediate Filament Organization in Intestinal Epithelia. <i>Molecular Biology of the Cell</i> , 2003, 14, 2959-2971.	2.1	83
12	Absence of keratin 19 in mice causes skeletal myopathy with mitochondrial and sarcolemmal reorganization. <i>Journal of Cell Science</i> , 2007, 120, 3999-4008.	2.0	83
13	Keratin 8 and 18 hyperphosphorylation is a marker of progression of human liver disease. <i>Hepatology</i> , 2004, 40, 459-466.	7.3	79
14	Identification of protein phosphatase 2A as the primary target for microcystin-LR in rat liver homogenates. <i>FEBS Letters</i> , 1994, 344, 175-180.	2.8	78
15	Studying Simple Epithelial Keratins in Cells and Tissues. <i>Methods in Cell Biology</i> , 2004, 78, 489-517.	1.1	74
16	Disturbances in hepatic cell-cycle regulation in mice with assembly-deficient keratins 8/18. <i>Hepatology</i> , 2001, 34, 1174-1183.	7.3	68
17	Protein phosphatase inhibition in normal and keratin 8/18 assembly-incompetent mouse strains supports a functional role of keratin intermediate filaments in preserving hepatocyte integrity. <i>Hepatology</i> , 1998, 28, 116-128.	7.3	67
18	Keratins modulate the shape and function of hepatocyte mitochondria: a mechanism for protection from apoptosis. <i>Journal of Cell Science</i> , 2009, 122, 3851-3855.	2.0	64

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19	Keratin 8 overexpression promotes mouse Mallory body formation. <i>Journal of Cell Biology</i> , 2005, 171, 931-937.	5.2	63
20	Keratin Mutation Predisposes to Mouse Liver Fibrosis and Unmasks Differential Effects of the Carbon Tetrachloride and Thioacetamide Models. <i>Gastroenterology</i> , 2008, 134, 1169-1179.	1.3	57
21	Organ-specific stress induces mouse pancreatic keratin overexpression in association with NF- κ B activation. <i>Journal of Cell Science</i> , 2004, 117, 1709-1719.	2.0	51
22	Absence of keratin 8 confers a paradoxical microflora-dependent resistance to apoptosis in the colon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1445-1450.	7.1	49
23	Keratins regulate colonic epithelial cell differentiation through the Notch1 signalling pathway. <i>Cell Death and Differentiation</i> , 2017, 24, 984-996.	11.2	43
24	Keratin 8 absence down-regulates colonocyte HMGCS2 and modulates colonic ketogenesis and energy metabolism. <i>Molecular Biology of the Cell</i> , 2015, 26, 2298-2310.	2.1	41
25	Simple epithelial keratins are dispensable for cytoprotection in two pancreatitis models. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, G1343-G1354.	3.4	38
26	Design considerations for mesoporous silica nanoparticulate systems in facilitating biomedical applications. <i>Open Material Sciences</i> , 2014, 1, .	0.8	38
27	Keratin intermediate filaments in the colon: guardians of epithelial homeostasis. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 129, 105878.	2.8	38
28	Keratin-8 null mice have different gallbladder and liver susceptibility to lithogenic diet-induced injury. <i>Journal of Cell Science</i> , 2003, 116, 4629-4638.	2.0	35
29	Keratin Overexpression Levels Correlate with the Extent of Spontaneous Pancreatic Injury. <i>American Journal of Pathology</i> , 2008, 172, 882-892.	3.8	34
30	Keratin 8 modulates β -cell stress responses and normoglycaemia. <i>Journal of Cell Science</i> , 2013, 126, 5635-44.	2.0	34
31	Keratin 8-deletion induced colitis predisposes to murine colorectal cancer enforced by the inflammasome and IL-22 pathway. <i>Carcinogenesis</i> , 2016, 37, 777-786.	2.8	32
32	The Amount of Keratins Matters for Stress Protection of the Colonic Epithelium. <i>PLoS ONE</i> , 2015, 10, e0127436.	2.5	31
33	Targeted modulation of cell differentiation in distinct regions of the gastrointestinal tract via oral administration of differently PEG-PEI functionalized mesoporous silica nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, 11, 299.	6.7	31
34	Effects of Keratin Filament Disruption on Exocrine Pancreas-Stimulated Secretion and Susceptibility to Injury. <i>Experimental Cell Research</i> , 2000, 255, 156-170.	2.6	28
35	In Vivo Imaging of Reactive Oxygen and Nitrogen Species in Murine Colitis. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 1435-1447.	1.9	26
36	Protein phosphatases maintain the organization and structural interactions of hepatic keratin intermediate filaments. <i>Journal of Cell Science</i> , 1997, 110 (Pt 1), 23-33.	2.0	26

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37	Reg-III Is an Exocrine Pancreas Injury-Response Product That Is Up-Regulated by Keratin Absence or Mutation. <i>Molecular Biology of the Cell</i> , 2007, 18, 4969-4978.	2.1	22
38	Monitoring of epithelial cell caspase activation via detection of durable keratin fragment formation. <i>Journal of Pathology</i> , 2008, 215, 164-174.	4.5	22
39	Keratins Are Altered in Intestinal Disease-Related Stress Responses. <i>Cells</i> , 2016, 5, 35.	4.1	20
40	Keratin 8 knockdown leads to loss of the chloride transporter DRA in the colon. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G1147-G1154.	3.4	20
41	Casein hydrolysate diet controls intestinal T cell activation, free radical production and microbial colonisation in NOD mice. <i>Diabetologia</i> , 2013, 56, 1781-1791.	6.3	17
42	On the non-linear attachment characteristics of blood to bacterial cellulose/kaolin biomaterials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 176-182.	5.0	17
43	Keratins regulate cell mitochondrial morphology, motility, and homeostasis. <i>FASEB Journal</i> , 2017, 31, 4578-4587.	0.5	14
44	Absence of keratin 8 or 18 promotes antimitochondrial autoantibody formation in aging male mice. <i>FASEB Journal</i> , 2015, 29, 5081-5089.	0.5	12
45	Targeted deletion of keratin 8 in intestinal epithelial cells disrupts tissue integrity and predisposes to tumorigenesis in the colon. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 10.	5.4	11
46	Novel Selective Estrogen Receptor Modulator Ameliorates Murine Colitis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3007.	4.1	9
47	Sphingosine kinase 1 overexpression induces MFN2 fragmentation and alters mitochondrial matrix Ca ²⁺ handling in HeLa cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1475-1486.	4.1	8
48	Simple Epithelial Keratins. <i>Methods in Enzymology</i> , 2016, 568, 351-388.	1.0	6
49	Keratin 7 Is a Constituent of the Keratin Network in Mouse Pancreatic Islets and Is Upregulated in Experimental Diabetes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7784.	4.1	6
50	Decreased levels of keratin 8 sensitize mice to streptozotocin-induced diabetes. <i>Acta Physiologica</i> , 2018, 224, e13085.	3.8	5
51	Vimentin Suppresses Inflammation and Tumorigenesis in the Mouse Intestine. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 862237.	3.7	4