Diana M Toivola

List of Publications by Year
in descending order

51	3,271	159585	182427
papers	citations	30 h-index	51 g-index

52	52	52	3368
all docs	docs citations	times ranked	citing authors

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

#	Article	IF	Citations
19	Keratin 8 overexpression promotes mouse Mallory body formation. Journal of Cell Biology, 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. Gastroenterology, 2008, 134, 1169-1179.	1.3	57
21	Organ-specific stress induces mouse pancreatic keratin overexpression in association with NF-Î¹B activation. Journal of Cell Science, 2004, 117, 1709-1719.	2.0	51
22	Absence of keratin 8 confers a paradoxical microflora-dependent resistance to apoptosis in the colon. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1445-1450.	7.1	49
23	Keratins regulate colonic epithelial cell differentiation through the Notch1 signalling pathway. Cell Death and Differentiation, 2017, 24, 984-996.	11.2	43
24	Keratin 8 absence down-regulates colonocyte HMGCS2 and modulates colonic ketogenesis and energy metabolism. Molecular Biology of the Cell, 2015, 26, 2298-2310.	2.1	41
25	Simple epithelial keratins are dispensable for cytoprotection in two pancreatitis models. American Journal of Physiology - Renal Physiology, 2000, 279, G1343-G1354.	3.4	38
26	Design considerations for mesoporous silica nanoparticulate systems in facilitating biomedical applications. Open Material Sciences, 2014, 1, .	0.8	38
27	Keratin intermediate filaments in the colon: guardians of epithelial homeostasis. International Journal of Biochemistry and Cell Biology, 2020, 129, 105878.	2.8	38
28	Keratin-8 null mice have different gallbladder and liver susceptibility to lithogenic diet-induced injury. Journal of Cell Science, 2003, 116, 4629-4638.	2.0	35
29	Keratin Overexpression Levels Correlate with the Extent of Spontaneous Pancreatic Injury. American Journal of Pathology, 2008, 172, 882-892.	3.8	34
30	Keratin 8 modulates Î²-cell stress responses and normoglycaemia. Journal of Cell Science, 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. Carcinogenesis, 2016, 37, 777-786.	2.8	32
32	The Amount of Keratins Matters for Stress Protection of the Colonic Epithelium. PLoS ONE, 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. International Journal of Nanomedicine, 2016, 11, 299.	6.7	31
34	Effects of Keratin Filament Disruption on Exocrine Pancreas-Stimulated Secretion and Susceptibility to Injury. Experimental Cell Research, 2000, 255, 156-170.	2.6	28
35	In Vivo Imaging of Reactive Oxygen and Nitrogen Species in Murine Colitis. Inflammatory Bowel Diseases, 2014, 20, 1435-1447.	1.9	26
36	Protein phosphatases maintain the organization and structural interactions of hepatic keratin intermediate filaments. Journal of Cell Science, 1997, 110 (Pt 1), 23-33.	2.0	26

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37	Reg-II Is an Exocrine Pancreas Injury-Response Product That Is Up-Regulated by Keratin Absence or Mutation. Molecular Biology of the Cell, 2007, 18, 4969-4978.	2.1	22
38	Monitoring of epithelial cell caspase activation via detection of durable keratin fragment formation. Journal of Pathology, 2008, 215, 164-174.	4.5	22
39	Keratins Are Altered in Intestinal Disease-Related Stress Responses. Cells, 2016, 5, 35.	4.1	20
40	Keratin 8 knockdown leads to loss of the chloride transporter DRA in the colon. American Journal of Physiology - Renal Physiology, 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. Diabetologia, 2013, 56, 1781-1791.	6.3	17
42	On the non-linear attachment characteristics of blood to bacterial cellulose/kaolin biomaterials. Colloids and Surfaces B: Biointerfaces, 2014, 116, 176-182.	5.0	17
43	Keratins regulate Î²â€cell mitochondrial morphology, motility, and homeostasis. FASEB Journal, 2017, 31, 4578-4587.	0.5	14
44	Absence of keratin 8 or 18 promotes antimitochondrial autoantibody formation in aging male mice. FASEB Journal, 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. Cellular and Molecular Life Sciences, 2022, 79, 10.	5.4	11
46	Novel Selective Estrogen Receptor Modulator Ameliorates Murine Colitis. International Journal of Molecular Sciences, 2019, 20, 3007.	4.1	9
47	Sphingosine kinase 1 overexpression induces MFN2 fragmentation and alters mitochondrial matrix Ca2+ handling in HeLa cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1475-1486.	4.1	8
48	Simple Epithelial Keratins. Methods in Enzymology, 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. International Journal of Molecular Sciences, 2021, 22, 7784.	4.1	6
50	Decreased levels of keratin 8 sensitize mice to streptozotocinâ€induced diabetes. Acta Physiologica, 2018, 224, e13085.	3.8	5
51	Vimentin Suppresses Inflammation and Tumorigenesis in the Mouse Intestine. Frontiers in Cell and Developmental Biology, 2022, 10, 862237.	3.7	4