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	Vimentin Suppresses Inflammation and Tumorigenesis in the Mouse Intestine. Frontiers in Cell and Developmental Biology, 2022, 10, 862237.	3.7	4
2	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
3	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
4	Keratin intermediate filaments in the colon: guardians of epithelial homeostasis. International Journal of Biochemistry and Cell Biology, 2020, 129, 105878.	2.8	38
5	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
6	Novel Selective Estrogen Receptor Modulator Ameliorates Murine Colitis. International Journal of Molecular Sciences, 2019, 20, 3007.	4.1	9
7	Decreased levels of keratin 8 sensitize mice to streptozotocinâ€induced diabetes. Acta Physiologica, 2018, 224, e13085.	3.8	5
8	Keratins regulate colonic epithelial cell differentiation through the Notch1 signalling pathway. Cell Death and Differentiation, 2017, 24, 984-996.	11.2	43
9	Keratins regulate Î²â€cell mitochondrial morphology, motility, and homeostasis. FASEB Journal, 2017, 31, 4578-4587.	0.5	14
10	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
11	Keratins Are Altered in Intestinal Disease-Related Stress Responses. Cells, 2016, 5, 35.	4.1	20
12	Simple Epithelial Keratins. Methods in Enzymology, 2016, 568, 351-388.	1.0	6
13	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
14	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
15	The Amount of Keratins Matters for Stress Protection of the Colonic Epithelium. PLoS ONE, 2015, 10, e0127436.	2.5	31
16	Absence of keratin 8 or 18 promotes antimitochondrial autoantibody formation in aging male mice. FASEB Journal, 2015, 29, 5081-5089.	0.5	12
17	Keratins in health and disease. Current Opinion in Cell Biology, 2015, 32, 73-81.	5.4	193
18	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

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19	In Vivo Imaging of Reactive Oxygen and Nitrogen Species in Murine Colitis. Inflammatory Bowel Diseases, 2014, 20, 1435-1447.	1.9	26
20	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
21	Design considerations for mesoporous silica nanoparticulate systems in facilitating biomedical applications. Open Material Sciences, 2014, 1, .	0.8	38
22	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
23	Keratin 8 modulates Î²-cell stress responses and normoglycaemia. Journal of Cell Science, 2013, 126, 5635-44.	2.0	34
24	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
25	Intermediate filaments take the heat as stress proteins. Trends in Cell Biology, 2010, 20, 79-91.	7.9	238
26	Cytoskeletal keratin glycosylation protects epithelial tissue from injury. Nature Cell Biology, 2010, 12, 876-885.	10.3	111
27	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
28	Monitoring of epithelial cell caspase activation via detection of durable keratin fragment formation. Journal of Pathology, 2008, 215, 164-174.	4.5	22
29	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
30	Keratin Overexpression Levels Correlate with the Extent of Spontaneous Pancreatic Injury. American Journal of Pathology, 2008, 172, 882-892.	3.8	34
31	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
32	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
33	From Mallory to Malloryâ€"Denk bodies: What, how and why?. Experimental Cell Research, 2007, 313, 2033-2049.	2.6	304
34	â€˜Heads and tailsâ€™ of intermediate filament phosphorylation: multiple sites and functional insights. Trends in Biochemical Sciences, 2006, 31, 383-394.	7.5	258
35	Cellular integrity plus: organelle-related and protein-targeting functions of intermediate filaments. Trends in Cell Biology, 2005, 15, 608-617.	7.9	227
36	Keratin 8 overexpression promotes mouse Mallory body formation. Journal of Cell Biology, 2005, 171, 931-937.	5.2	63

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37	Keratin-8-deficient mice develop chronic spontaneous Th2 colitis amenable to antibiotic treatment. Journal of Cell Science, 2005, 118, 1971-1980.	2.0	84
38	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
39	Keratins modulate colonocyte electrolyte transport via protein mistargeting. Journal of Cell Biology, 2004, 164, 911-921.	5.2	118
40	Keratin 8 and 18 hyperphosphorylation is a marker of progression of human liver disease. Hepatology, 2004, 40, 459-466.	7.3	79
41	Studying Simple Epithelial Keratins in Cells and Tissues. Methods in Cell Biology, 2004, 78, 489-517.	1.1	74
42	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
43	Keratin 20 Helps Maintain Intermediate Filament Organization in Intestinal Epithelia. Molecular Biology of the Cell, 2003, 14, 2959-2971.	2.1	83
44	Keratins: Guardians of the liver. Hepatology, 2002, 35, 251-257.	7.3	143
45	Disturbances in hepatic cell-cycle regulation in mice with assembly-deficient keratins 8/18. Hepatology, 2001, 34, 1174-1183.	7.3	68
46	Simple epithelial keratins are dispensable for cytoprotection in two pancreatitis models. American Journal of Physiology - Renal Physiology, 2000, 279, G1343-G1354.	3.4	38
47	Effects of Keratin Filament Disruption on Exocrine Pancreas-Stimulated Secretion and Susceptibility to Injury. Experimental Cell Research, 2000, 255, 156-170.	2.6	28
48	The cytoskeleton of digestive epithelia in health and disease. American Journal of Physiology - Renal Physiology, 1999, 277, G1108-G1137.	3.4	109
49	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
50	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
51	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