Cathy Lee Mendelsohn

List of Publications by Year
in descending order

79	6,413	76326 40	95266 68
papers	citations	h-index	g-index

85	85	85	6319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cellular receptor for poliovirus: Molecular cloning, nucleotide sequence, and expression of a new member of the immunoglobulin superfamily. Cell, 1989, 56, 855-865.	28.9	1,128
2	Distinct and sequential tissue-specific activities of the LIM-class homeobox geneLim1for tubular morphogenesis during kidney development. Development (Cambridge), 2005, 132, 2809-2823.	2.5	307
3	Murine isoforms of retinoic acid receptor gamma with specific patterns of expression.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 2700-2704.	7.1	302
4	Vitamin A controls epithelial/mesenchymal interactions through Ret expression. Nature Genetics, 2001, 27, 74-78.	21.4	240
5	The GUDMAP database â€“ an online resource for genitourinary research. Development (Cambridge), 2011, 138, 2845-2853.	2.5	226
6	Foxd1-dependent signals control cellularity in the renal capsule, a structure required for normal renal development. Development (Cambridge), 2005, 132, 529-539.	2.5	202
7	Ret-Dependent Cell Rearrangements in the Wolffian Duct Epithelium Initiate Ureteric Bud Morphogenesis. Developmental Cell, 2009, 17, 199-209.	7.0	193
8	IRTA1 and IRTA2, Novel Immunoglobulin Superfamily Receptors Expressed in B Cells and Involved in Chromosome 1q21 Abnormalities in B Cell Malignancy. Immunity, 2001, 14, 277-289.	14.3	176
9	Bladder cancers arise from distinct urothelial sub-populations. Nature Cell Biology, 2014, 16, 982-991.	10.3	163
10	Non-cell-autonomous retinoid signaling is crucial for renal development. Development (Cambridge), 2010, 137, 283-292.	2.5	149
11	Retinoic Acid Receptor Î²2 (RARÎ²2) Null Mutant Mice Appear Normal. Developmental Biology, 1994, 166, 246-258.	2.0	147
12	Apoptosis induced by vitamin A signaling is crucial for connecting the ureters to the bladder. Nature Genetics, 2005, 37, 1082-1089.	21.4	147
13	Distal ureter morphogenesis depends on epithelial cell remodeling mediated by vitamin A and Ret. Nature Genetics, 2002, 32, 109-115.	21.4	145
14	The copy number variation landscape of congenital anomalies of the kidney and urinary tract. Nature Genetics, 2019, 51, 117-127.	21.4	144
15	Expression and Characterization of a Murine Enzyme Able to Cleave Î²-Carotene. Journal of Biological Chemistry, 2001, 276, 32160-32168.	3.4	139
16	Developmental roles of the retinoic acid receptors. Journal of Steroid Biochemistry and Molecular Biology, 1995, 53, 475-486.	2.5	137
17	Retinoid Signaling in Progenitors Controls Specification and Regeneration of the Urothelium. Developmental Cell, 2013, 26, 469-482.	7.0	135
18	A high-resolution anatomical ontology of the developing murine genitourinary tract. Gene Expression Patterns, 2007, 7, 680-699.	0.8	125

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19	Regulated Expression of ATF5 Is Required for the Progression of Neural Progenitor Cells to Neurons. Journal of Neuroscience, 2003, 23, 4590-4600.	3.6	123
20	Pathways of Vitamin A Delivery to the Embryo: Insights from a New Tunable Model of Embryonic Vitamin A Deficiency. Endocrinology, 2005, 146, 4479-4490.	2.8	120
21	IRTAs: a new family of immunoglobulinlike receptors differentially expressed in B cells. Blood, 2002, 99, 2662-2669.	1.4	111
22	Characterization of a New Member of the Fatty Acid-binding Protein Family That Binds All-trans-retinol. Journal of Biological Chemistry, 2001, 276, 1353-1360.	3.4	110
23	Transformation of a human poliovirus receptor gene into mouse cells.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 7845-7849.	7.1	109
24	An illustrated anatomical ontology of the developing mouse lower urogenital tract. Development (Cambridge), 2015, 142, 1893-1908.	2.5	108
25	A novel pleckstrin homology-related gene family defined by Ipl/Tssc3, TDAG51, and Tih1: tissue-specific expression, chromosomal location, and parental imprinting. Mammalian Genome, 1999, 10, 1150-1159.	2.2	103
26	The Targeted Disruption of Both Alleles of RARÎ²2 in F9 Cells Results in the Loss of Retinoic Acid-associated Growth Arrest. Journal of Biological Chemistry, 1999, 274, 26783-26788.	3.4	98
27	Retinoid receptors in vertebrate limb development. Developmental Biology, 1992, 152, 50-61.	2.0	97
28	Nephric duct insertion is a crucial step in urinary tract maturation that is regulated by aGata3-Raldh2-Retmolecular network in mice. Development (Cambridge), 2011, 138, 2089-2097.	2.5	76
29	The development of the bladder trigone, the center of the anti-reflux mechanism. Development (Cambridge), 2007, 134, 3763-3769.	2.5	73
30	Using mouse models to understand normal and abnormal urogenital tract development. Organogenesis, 2009, 5, 32-40.	1.2	67
31	A mucosal imprint left by prior Escherichia coli bladder infection sensitizes to recurrent disease. Nature Microbiology, 2017, 2, 16196.	13.3	67
32	RARÎ² isoforms: distinct transcriptional control by retinoic acid and specific spatial patterns of promoter activity during mouse embryonic development. Mechanisms of Development, 1994, 45, 227-241.	1.7	64
33	Novel mechanisms of early upper and lower urinary tract patterning regulated by RetY1015 docking tyrosine in mice. Development (Cambridge), 2012, 139, 2405-2415.	2.5	64
34	Exome-wide Association Study Identifies GREB1L Mutations in Congenital Kidney Malformations. American Journal of Human Genetics, 2017, 101, 789-802.	6.2	63
35	c-kit delineates a distinct domain of progenitors in the developing kidney. Developmental Biology, 2006, 299, 238-249.	2.0	54
36	Pparg promotes differentiation and regulates mitochondrial gene expression in bladder epithelial cells. Nature Communications, 2019, 10, 4589.	12.8	50

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37	Lack of major involvement of human uroplakin genes in vesicoureteral reflux: Implications for disease heterogeneity. Kidney International, 2004, 66, 10-19.	5.2	49
38	Polyploid Superficial Cells that Maintain the Urothelial Barrier Are Produced via Incomplete Cytokinesis and Endoreplication. Cell Reports, 2018, 25, 464-477.e4.	6.4	49
39	Retinoic Acid Signal Transduction Pathways. Annals of the New York Academy of Sciences, 1993, 684, 19-34.	3.8	45
40	Functional obstruction: the renal pelvis rules. Journal of Clinical Investigation, 2004, 113, 957-959.	8.2	43
41	Stromal progenitors are important for patterning epithelial and mesenchymal cell types in the embryonic kidney. Seminars in Cell and Developmental Biology, 2003, 14, 225-231.	5.0	41
42	Formation and regeneration of the urothelium. Current Opinion in Organ Transplantation, 2014, 19, 323-330.	1.6	40
43	Stromal Protein Ecm1 Regulates Ureteric Bud Patterning and Branching. PLoS ONE, 2013, 8, e84155.	2.5	33
44	On a FOX hunt: functions of FOX transcriptional regulators in bladder cancer. Nature Reviews Urology, 2017, 14, 98-106.	3.8	30
45	The Tnfrh1 (Tnfrsf23) gene is weakly imprinted in several organs and expressed at the trophoblast-decidua interface. BMC Genetics, 2002, 3, 11.	2.7	29
46	Pparg signaling controls bladder cancer subtype and immune exclusion. Nature Communications, 2021, 12, 6160.	12.8	28
47	Hypermethylation of FOXA1 and allelic loss of PTEN drive squamous differentiation and promote heterogeneity in bladder cancer. Oncogene, 2020, 39, 1302-1317.	5.9	26
48	Retinoic acid signaling within pancreatic endocrine progenitors regulates mouse and human Î² cell specification. Development (Cambridge), 2020, 147, .	2.5	23
49	Targeting S100A9â€“ALDH1A1â€“Retinoic Acid Signaling to Suppress Brain Relapse inEGFR-Mutant Lung Cancer. Cancer Discovery, 2022, 12, 1002-1021.	9.4	22
50	A Retrotransposon Insertion in the 5â€² Regulatory Domain of Ptf1a Results in Ectopic Gene Expression and Multiple Congenital Defects in Danforth's Short Tail Mouse. PLoS Genetics, 2013, 9, e1003206.	3.5	20
51	The ulnar-mammary syndrome gene,Tbx3, is a direct target of the retinoic acid signaling pathway, which regulates its expression during mouse limb development. Molecular Biology of the Cell, 2012, 23, 2362-2372.	2.1	19
52	Copy Number Variant Analysis and Genome-wide Association Study Identify Loci with Large Effect for Vesicoureteral Reflux. Journal of the American Society of Nephrology: JASN, 2021, 32, 805-820.	6.1	17
53	Going in circles: conserved mechanisms control radial patterning in the urinary and digestive tracts. Journal of Clinical Investigation, 2006, 116, 635-637.	8.2	16
54	Noninvasive Assessment of Antenatal Hydronephrosis in Mice Reveals a Critical Role for Robo2 in Maintaining Anti-Reflux Mechanism. PLoS ONE, 2011, 6, e24763.	2.5	14

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55	Retinoic Acid Signaling Regulates Sonic Hedgehog and Bone Morphogenetic Protein Signalings During Genital Tubercle Development. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2012, 95, 79-88.	1.4	14
56	In vivo replacement of damaged bladder urothelium by Wolffian duct epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8394-8399.	7.1	14
57	FGFR3b Extracellular Loop Mutation Lacks Tumorigenicity In Vivo but Collaborates with p53/pRB Deficiency to Induce High-grade Papillary Urothelial Carcinoma. Scientific Reports, 2016, 6, 25596.	3.3	8
58	Ectopic Ureter, Ureterocele, and Ureteral Anomalies. , 2012, , 3236-3266.e3.		8
59	Functional obstruction: the renal pelvis rules. Journal of Clinical Investigation, 2004, 113, 957-959.	8.2	6
60	Development, regeneration and tumorigenesis of the urothelium. Development (Cambridge), 2022, 149, .	2.5	6
61	Gardnerella Exposures Alter Bladder Gene Expression and Augment Uropathogenic Escherichia coli Urinary Tract Infection in Mice. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	6
62	Organotypic Culture of the Urogenital Tract. Methods in Molecular Biology, 2012, 886, 45-53.	0.9	5
63	Tumorigenicity of RTK/RAS in urothelium. Oncoscience, 2015, 2, 739-740.	2.2	5
64	The Tnfrh1 (Tnfrsf23) gene is weakly imprinted in several organs and expressed at the trophoblast-decidua interface. BMC Genetics, 2002, 3, 1.	2.7	2
65	Retinoid Inactivation: Survival Factor for Male Germ Cells. Endocrinology, 2007, 148, 4557-4559.	2.8	1
66	Vesicoureteral Obstruction and Vesicoureteral Reflux. , 2016, , 229-239.		1
67	Characterization of a Murine Model of Bioequivalent Bladder Wound Healing and Repair Following Subtotal Cystectomy. BioResearch Open Access, 2017, 6, 35-45.	2.6	1
68	IRTA Family Proteins: Transmembrane Receptors Differentially Expressed in Normal B Cells and Involved in Lymphomagenesis. Annals of the New York Academy of Sciences, 2003, 987, 312-313.	3.8	0
69	IMMUNOHISTOCHEMICAL EXAMINATION OF THE REGION BENEATH THE DISTAL URETER OF THE HUMAN FETUS AND MOUSE: INSIGHTS INTO THE SUCCESS OF ENDOSCOPIC TREATMENT OF VESICOURETERAL REFLUX. Journal of Urology, 2008, 179, 201-201.	0.4	0
70	GUDMAP - An Online GenitoUrinary Resource. Nature Precedings, 2009, , .	0.1	0
71	07-P023 GUDMAP â€“ An online genitourinary resource. Mechanisms of Development, 2009, 126, S143.	1.7	0
72	MP21-02 TRACING THE ORIGINS OF BLADDER CANCER USING FATE MAPPING TECHNIQUES. Journal of Urology, 2014, 191, .	0.4	0

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73	MP42-04 CHARACTERIZING DEVELOPMENT OF THE HUMAN LOWER URINARY TRACT: ANATOMIC FEATURES AND MOLECULAR EXPRESSION OF THE URETERIC BUD AND CLOACA. Journal of Urology, 2017, 197, .	0.4	0
74	MP65-16 INACTIVATION OF FOXA1 AND PTEN RESULTS IN DEVELOPMENT OF CARCINOMA IN SITU AND THE BASAL SUBTYPE OF MUSCLE INVASIVE BLADDER CANCER FOLLOWING CARCINOGEN EXPOSURE. Journal of Urology, 2017, 197, .	0.4	0
75	Kidneys Prefer a High Fat4 Diet. Developmental Cell, 2019, 48, 743-744.	7.0	0
76	1717: The Bladder Trigone is not a Wolffian Duct Remnant. Journal of Urology, 2004, 171, 454-454.	0.4	0
77	578: Distal Ureteral Morphogenesis Depends on Apoptosis Induced by Signals from the Urogenital Sinus: A New Model of Ureteral Maturation. Journal of Urology, 2006, 175, 187-188.	0.4	0
78	Novel transgenic knockout model of basal-squamous bladder cancer.. Journal of Clinical Oncology, 2018, 36, 459-459.	1.6	0
79	GUDMAP â€“ An Online GenitoUrinary Resource. Nature Precedings, 0, , .	0.1	0