

Cathy Lee Mendelsohn

List of Publications by Year in descending order

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77
papers

6,413
citations

76294

40
h-index

98753

67
g-index

85
all docs

85
docs citations

85
times ranked

6319
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular receptor for poliovirus: Molecular cloning, nucleotide sequence, and expression of a new member of the immunoglobulin superfamily. <i>Cell</i> , 1989, 56, 855-865.	13.5	1,128
2	Distinct and sequential tissue-specific activities of the LIM-class homeobox gene <i>Lim1</i> for tubular morphogenesis during kidney development. <i>Development (Cambridge)</i> , 2005, 132, 2809-2823.	1.2	307
3	Murine isoforms of retinoic acid receptor gamma with specific patterns of expression.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 2700-2704.	3.3	302
4	Vitamin A controls epithelial/mesenchymal interactions through <i>Ret</i> expression. <i>Nature Genetics</i> , 2001, 27, 74-78.	9.4	240
5	The GUDMAP database – an online resource for genitourinary research. <i>Development (Cambridge)</i> , 2011, 138, 2845-2853.	1.2	226
6	<i>Foxd1</i> -dependent signals control cellularity in the renal capsule, a structure required for normal renal development. <i>Development (Cambridge)</i> , 2005, 132, 529-539.	1.2	202
7	<i>Ret</i> -Dependent Cell Rearrangements in the Wolffian Duct Epithelium Initiate Ureteric Bud Morphogenesis. <i>Developmental Cell</i> , 2009, 17, 199-209.	3.1	193
8	<i>IRTA1</i> and <i>IRTA2</i> , Novel Immunoglobulin Superfamily Receptors Expressed in B Cells and Involved in Chromosome 1q21 Abnormalities in B Cell Malignancy. <i>Immunity</i> , 2001, 14, 277-289.	6.6	176
9	Bladder cancers arise from distinct urothelial sub-populations. <i>Nature Cell Biology</i> , 2014, 16, 982-991.	4.6	163
10	Non-cell-autonomous retinoid signaling is crucial for renal development. <i>Development (Cambridge)</i> , 2010, 137, 283-292.	1.2	149
11	Retinoic Acid Receptor $\hat{2}$ (<i>RAR</i> $\hat{2}$) Null Mutant Mice Appear Normal. <i>Developmental Biology</i> , 1994, 166, 246-258.	0.9	147
12	Apoptosis induced by vitamin A signaling is crucial for connecting the ureters to the bladder. <i>Nature Genetics</i> , 2005, 37, 1082-1089.	9.4	147
13	Distal ureter morphogenesis depends on epithelial cell remodeling mediated by vitamin A and <i>Ret</i> . <i>Nature Genetics</i> , 2002, 32, 109-115.	9.4	145
14	The copy number variation landscape of congenital anomalies of the kidney and urinary tract. <i>Nature Genetics</i> , 2019, 51, 117-127.	9.4	144
15	Expression and Characterization of a Murine Enzyme Able to Cleave $\hat{2}$ -Carotene. <i>Journal of Biological Chemistry</i> , 2001, 276, 32160-32168.	1.6	139
16	Developmental roles of the retinoic acid receptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1995, 53, 475-486.	1.2	137
17	Retinoid Signaling in Progenitors Controls Specification and Regeneration of the Urothelium. <i>Developmental Cell</i> , 2013, 26, 469-482.	3.1	135
18	A high-resolution anatomical ontology of the developing murine genitourinary tract. <i>Gene Expression Patterns</i> , 2007, 7, 680-699.	0.3	125

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19	Regulated Expression of ATF5 Is Required for the Progression of Neural Progenitor Cells to Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 4590-4600.	1.7	123
20	Pathways of Vitamin A Delivery to the Embryo: Insights from a New Tunable Model of Embryonic Vitamin A Deficiency. <i>Endocrinology</i> , 2005, 146, 4479-4490.	1.4	120
21	IRTAs: a new family of immunoglobulinlike receptors differentially expressed in B cells. <i>Blood</i> , 2002, 99, 2662-2669.	0.6	111
22	Characterization of a New Member of the Fatty Acid-binding Protein Family That Binds All-trans-retinol. <i>Journal of Biological Chemistry</i> , 2001, 276, 1353-1360.	1.6	110
23	Transformation of a human poliovirus receptor gene into mouse cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 7845-7849.	3.3	109
24	An illustrated anatomical ontology of the developing mouse lower urogenital tract. <i>Development (Cambridge)</i> , 2015, 142, 1893-1908.	1.2	108
25	A novel pleckstrin homology-related gene family defined by <i>Ipl/Tssc3</i> , <i>TDAG51</i> , and <i>Tih1</i> : tissue-specific expression, chromosomal location, and parental imprinting. <i>Mammalian Genome</i> , 1999, 10, 1150-1159.	1.0	103
26	The Targeted Disruption of Both Alleles of <i>RARβ2</i> in F9 Cells Results in the Loss of Retinoic Acid-associated Growth Arrest. <i>Journal of Biological Chemistry</i> , 1999, 274, 26783-26788.	1.6	98
27	Retinoid receptors in vertebrate limb development. <i>Developmental Biology</i> , 1992, 152, 50-61.	0.9	97
28	Nephric duct insertion is a crucial step in urinary tract maturation that is regulated by a <i>Gata3-Raldh2-Ret</i> molecular network in mice. <i>Development (Cambridge)</i> , 2011, 138, 2089-2097.	1.2	76
29	The development of the bladder trigone, the center of the anti-reflux mechanism. <i>Development (Cambridge)</i> , 2007, 134, 3763-3769.	1.2	73
30	Using mouse models to understand normal and abnormal urogenital tract development. <i>Organogenesis</i> , 2009, 5, 32-40.	0.4	67
31	A mucosal imprint left by prior <i>Escherichia coli</i> bladder infection sensitizes to recurrent disease. <i>Nature Microbiology</i> , 2017, 2, 16196.	5.9	67
32	<i>RARβ2</i> isoforms: distinct transcriptional control by retinoic acid and specific spatial patterns of promoter activity during mouse embryonic development. <i>Mechanisms of Development</i> , 1994, 45, 227-241.	1.7	64
33	Novel mechanisms of early upper and lower urinary tract patterning regulated by <i>RetY1015</i> docking tyrosine in mice. <i>Development (Cambridge)</i> , 2012, 139, 2405-2415.	1.2	64
34	Exome-wide Association Study Identifies <i>GREB1L</i> Mutations in Congenital Kidney Malformations. <i>American Journal of Human Genetics</i> , 2017, 101, 789-802.	2.6	63
35	<i>c-kit</i> delineates a distinct domain of progenitors in the developing kidney. <i>Developmental Biology</i> , 2006, 299, 238-249.	0.9	54
36	<i>Pparg</i> promotes differentiation and regulates mitochondrial gene expression in bladder epithelial cells. <i>Nature Communications</i> , 2019, 10, 4589.	5.8	50

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37	Lack of major involvement of human uroplakin genes in vesicoureteral reflux: Implications for disease heterogeneity. <i>Kidney International</i> , 2004, 66, 10-19.	2.6	49
38	Polyloid Superficial Cells that Maintain the Urothelial Barrier Are Produced via Incomplete Cytokinesis and Endoreplication. <i>Cell Reports</i> , 2018, 25, 464-477.e4.	2.9	49
39	Retinoic Acid Signal Transduction Pathways. <i>Annals of the New York Academy of Sciences</i> , 1993, 684, 19-34.	1.8	45
40	Functional obstruction: the renal pelvis rules. <i>Journal of Clinical Investigation</i> , 2004, 113, 957-959.	3.9	43
41	Stromal progenitors are important for patterning epithelial and mesenchymal cell types in the embryonic kidney. <i>Seminars in Cell and Developmental Biology</i> , 2003, 14, 225-231.	2.3	41
42	Formation and regeneration of the urothelium. <i>Current Opinion in Organ Transplantation</i> , 2014, 19, 323-330.	0.8	40
43	Stromal Protein Ecm1 Regulates Ureteric Bud Patterning and Branching. <i>PLoS ONE</i> , 2013, 8, e84155.	1.1	33
44	On a FOX hunt: functions of FOX transcriptional regulators in bladder cancer. <i>Nature Reviews Urology</i> , 2017, 14, 98-106.	1.9	30
45	The <i>Tnfrh1</i> (<i>Tnfrsf23</i>) gene is weakly imprinted in several organs and expressed at the trophoblast-decidua interface. <i>BMC Genetics</i> , 2002, 3, 11.	2.7	29
46	<i>Pparg</i> signaling controls bladder cancer subtype and immune exclusion. <i>Nature Communications</i> , 2021, 12, 6160.	5.8	28
47	Hypermethylation of <i>FOXA1</i> and allelic loss of <i>PTEN</i> drive squamous differentiation and promote heterogeneity in bladder cancer. <i>Oncogene</i> , 2020, 39, 1302-1317.	2.6	26
48	Retinoic acid signaling within pancreatic endocrine progenitors regulates mouse and human $\hat{1}^2$ cell specification. <i>Development (Cambridge)</i> , 2020, 147, .	1.2	23
49	Targeting <i>S100A9</i> â€“ <i>ALDH1A1</i> â€“Retinoic Acid Signaling to Suppress Brain Relapse in <i>EGFR</i> -Mutant Lung Cancer. <i>Cancer Discovery</i> , 2022, 12, 1002-1021.	7.7	22
50	A Retrotransposon Insertion in the 5â€² Regulatory Domain of <i>Ptf1a</i> Results in Ectopic Gene Expression and Multiple Congenital Defects in Danforth's Short Tail Mouse. <i>PLoS Genetics</i> , 2013, 9, e1003206.	1.5	20
51	The ulnar-mammary syndrome gene, <i>Tbx3</i> , is a direct target of the retinoic acid signaling pathway, which regulates its expression during mouse limb development. <i>Molecular Biology of the Cell</i> , 2012, 23, 2362-2372.	0.9	19
52	Copy Number Variant Analysis and Genome-wide Association Study Identify Loci with Large Effect for Vesicoureteral Reflux. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 805-820.	3.0	17
53	Going in circles: conserved mechanisms control radial patterning in the urinary and digestive tracts. <i>Journal of Clinical Investigation</i> , 2006, 116, 635-637.	3.9	16
54	Noninvasive Assessment of Antenatal Hydronephrosis in Mice Reveals a Critical Role for <i>Robo2</i> in Maintaining Anti-Reflux Mechanism. <i>PLoS ONE</i> , 2011, 6, e24763.	1.1	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.	3.3	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.	1.6	8
58	Ectopic Ureter, Ureterocele, and Ureteral Anomalies. , 2012, , 3236-3266.e3.		8
59	Development, regeneration and tumorigenesis of the urothelium. Development (Cambridge), 2022, 149, .	1.2	6
60	Gardnerella Exposures Alter Bladder Gene Expression and Augment Uropathogenic Escherichia coli Urinary Tract Infection in Mice. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	6
61	Organotypic Culture of the Urogenital Tract. Methods in Molecular Biology, 2012, 886, 45-53.	0.4	5
62	Tumorigenicity of RTK/RAS in urothelium. Oncoscience, 2015, 2, 739-740.	0.9	5
63	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
64	Retinoid Inactivation: Survival Factor for Male Germ Cells. Endocrinology, 2007, 148, 4557-4559.	1.4	1
65	Vesicoureteral Obstruction and Vesicoureteral Reflux. , 2016, , 229-239.		1
66	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
67	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.	1.8	0
68	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.	0.2	0
69	GUDMAP - An Online GenitoUrinary Resource. Nature Precedings, 2009, , .	0.1	0
70	07-P023 GUDMAP â€œ An online genitourinary resource. Mechanisms of Development, 2009, 126, S143.	1.7	0
71	MP21-02 TRACING THE ORIGINS OF BLADDER CANCER USING FATE MAPPING TECHNIQUES. Journal of Urology, 2014, 191, .	0.2	0
72	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, .	0.2	0

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73	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, .	0.2	0
74	Kidneys Prefer a High Fat4 Diet. Developmental Cell, 2019, 48, 743-744.	3.1	0
75	1717: The Bladder Trigone is not a Wolffian Duct Remnant. Journal of Urology, 2004, 171, 454-454.	0.2	0
76	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.	0.2	0
77	Novel transgenic knockout model of basal-squamous bladder cancer.. Journal of Clinical Oncology, 2018, 36, 459-459.	0.8	0