Michael M Shen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128 papers	14,193 citations	67 h-index	119 g-index
158 ext. papers	15,732 ext. citations	12.5 avg, IF	6.46 L-index

#	Paper	IF	Citations
128	Molecular genetics of prostate cancer: new prospects for old challenges. *Genes and Development*, **2010**, 24, 1967-2000	12.6	659
127	Evidence for evolutionary conservation of sex-determining genes. *Nature*, **1998**, 391, 691-5	50.4	636
126	Murine FGFR-1 is required for early postimplantation growth and axial organization. *Genes and Development*, **1994**, 8, 3045-57	12.6	582
125	A luminal epithelial stem cell that is a cell of origin for prostate cancer. *Nature*, **2009**, 461, 495-500	50.4	558
124	Molecular genetics of prostate cancer. *Genes and Development*, **2000**, 14, 2410-34	12.6	492
123	Roles for Nkx3.1 in prostate development and cancer. *Genes and Development*, **1999**, 13, 966-77	12.6	482
122	Nodal signalling in vertebrate development. *Nature*, **2000**, 403, 385-9	50.4	449
121	Cripto is required for correct orientation of the anterior-posterior axis in the mouse embryo. *Nature* , **1998**, 395, 702-7	50.4	407
120	Nodal signaling: developmental roles and regulation. *Development (Cambridge)*, **2007**, 134, 1023-34	6.6	396
119	Essential role for p38alpha mitogen-activated protein kinase in placental angiogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2000**, 97, 10454-9	11.5	312
118	Tumor Evolution and Drug Response in Patient-Derived Organoid Models of Bladder Cancer. *Cell*, **2018**, 173, 515-528.e17	56.2	310
117	Loss-of-function mutations in the EGF-CFC gene CFC1 are associated with human left-right laterality defects. *Nature Genetics*, **2000**, 26, 365-9	36.3	288
116	Genetic evidence for nonredundant functional cooperativity between NPC1 and NPC2 in lipid transport. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 5886-91	11.5	276
115	Cooperativity of Nkx3.1 and Pten loss of function in a mouse model of prostate carcinogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2884-9	11.5	266
114	Heterodimerization of Msx and Dlx homeoproteins results in functional antagonism. *Molecular and Cellular Biology*, **1997**, 17, 2920-32	4.8	237
113	Monomethylation of histone H4-lysine 20 is involved in chromosome structure and stability and is essential for mouse development. *Molecular and Cellular Biology*, **2009**, 29, 2278-95	4.8	234
112	Leukemia inhibitory factor is expressed by the preimplantation uterus and selectively blocks primitive ectoderm formation in vitro. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 8240-4	11.5	223

111	Inactivation of p53 and Pten promotes invasive bladder cancer. *Genes and Development*, **2009**, 23, 675-80	12.6	221
110	Lineage analysis of basal epithelial cells reveals their unexpected plasticity and supports a cell-of-origin model for prostate cancer heterogeneity. *Nature Cell Biology*, **2013**, 15, 274-83	23.4	218
109	Cross-species regulatory network analysis identifies a synergistic interaction between FOXM1 and CENPF that drives prostate cancer malignancy. *Cancer Cell*, **2014**, 25, 638-651	24.3	216
108	Single luminal epithelial progenitors can generate prostate organoids in culture. *Nature Cell Biology* , **2014**, 16, 951-61, 1-4	23.4	208
107	Conserved requirement for EGF-CFC genes in vertebrate left-right axis formation. *Genes and Development*, **1999**, 13, 2527-37	12.6	196
106	mab-3, a gene required for sex-specific yolk protein expression and a male-specific lineage in C. elegans. *Cell*, **1988**, 54, 1019-31	56.2	195
105	Foxn4 controls the genesis of amacrine and horizontal cells by retinal progenitors. *Neuron*, **2004**, 43, 795-807	13.9	194
104	The EGF-CFC gene family in vertebrate development. *Trends in Genetics*, **2000**, 16, 303-9	8.5	188
103	Transdifferentiation as a Mechanism of Treatment Resistance in a Mouse Model of Castration-Resistant Prostate Cancer. *Cancer Discovery*, **2017**, 7, 736-749	24.4	182
102	Nkx3.1; Pten mutant mice develop invasive prostate adenocarcinoma and lymph node metastases. *Cancer Research*, **2003**, 63, 3886-90	10.1	173
101	Nkx3.1 mutant mice recapitulate early stages of prostate carcinogenesis. *Cancer Research*, **2002**, 62, 2999-3004	10.1	166
100	Dual roles of Cripto as a ligand and coreceptor in the nodal signaling pathway. *Molecular and Cellular Biology*, **2002**, 22, 4439-49	4.8	165
99	Two modes by which Lefty proteins inhibit nodal signaling. *Current Biology*, **2004**, 14, 618-24	6.3	153
98	C. elegans unc-4 gene encodes a homeodomain protein that determines the pattern of synaptic input to specific motor neurons. *Nature*, **1992**, 355, 841-5	50.4	147
97	Msx homeobox genes inhibit differentiation through upregulation ofcyclin D1. *Development (Cambridge)*, **2001**, 128, 2373-2384	6.6	141
96	Tissue-specific expression of murine Nkx3.1 in the male urogenital system. *Developmental Dynamics* , **1997**, 209, 127-38	2.9	138
95	Beta-catenin regulates Cripto- and Wnt3-dependent gene expression programs in mouse axis and mesoderm formation. *Development (Cambridge)*, **2003**, 130, 6283-94	6.6	138
94	Prostatic intraepithelial neoplasia in genetically engineered mice. *American Journal of Pathology*, **2002**, 161, 727-35	5.8	130

93	Identification of causal genetic drivers of human disease through systems-level analysis of regulatory networks. *Cell*, **2014**, 159, 402-14	56.2	126
92	The Vg1-related protein Gdf3 acts in a Nodal signaling pathway in the pre-gastrulation mouse embryo. *Development (Cambridge)*, **2006**, 133, 319-29	6.6	117
91	Pten inactivation and the emergence of androgen-independent prostate cancer. *Cancer Research*, **2007**, 67, 6535-8	10.1	116
90	Comparison of MSX-1 and MSX-2 suggests a molecular basis for functional redundancy. *Mechanisms of Development*, **1996**, 55, 185-99	1.7	114
89	Combinatorial activities of Akt and B-Raf/Erk signaling in a mouse model of androgen-independent prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 14477-82	11.5	113
88	Roles for Hedgehog signaling in androgen production and prostate ductal morphogenesis. *Developmental Biology*, **2004**, 267, 387-98	3.1	113
87	A mouse model of classical late-infantile neuronal ceroid lipofuscinosis based on targeted disruption of the CLN2 gene results in a loss of tripeptidyl-peptidase I activity and progressive neurodegeneration. *Journal of Neuroscience*, **2004**, 24, 9117-26	6.6	107
86	A critical role for p27kip1 gene dosage in a mouse model of prostate carcinogenesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 17204-9	11.5	107
85	Integrating differentiation and cancer: the Nkx3.1 homeobox gene in prostate organogenesis and carcinogenesis. *Differentiation*, **2008**, 76, 717-27	3.5	102
84	Mouse models of prostate carcinogenesis. *Trends in Genetics*, **2002**, 18, S1-5	8.5	102
83	The trophic role of oligodendrocytes in the basal forebrain. *Journal of Neuroscience*, **2003**, 23, 5846-53	6.6	101
82	Activator protein-1 transcription factors are associated with progression and recurrence of prostate cancer. *Cancer Research*, **2008**, 68, 2132-44	10.1	100
81	A molecular signature predictive of indolent prostate cancer. *Science Translational Medicine*, **2013**, 5, 202ra122	17.5	98
80	The Role of Lineage Plasticity in Prostate Cancer Therapy Resistance. *Clinical Cancer Research*, **2019** , 25, 6916-6924	12.9	94
79	Stromal transforming growth factor-beta signaling mediates prostatic response to androgen ablation by paracrine Wnt activity. *Cancer Research*, **2008**, 68, 4709-18	10.1	93
78	An early phase of embryonic Dlx5 expression defines the rostral boundary of the neural plate. *Journal of Neuroscience*, **1998**, 18, 8322-30	6.6	91
77	Fibroblast growth factor receptor 2 tyrosine kinase is required for prostatic morphogenesis and the acquisition of strict androgen dependency for adult tissue homeostasis. *Development (Cambridge)*, **2007**, 134, 723-34	6.6	87
76	Prostate organogenesis: tissue induction, hormonal regulation and cell type specification. *Development (Cambridge)*, **2017**, 144, 1382-1398	6.6	86

75	ETV4 promotes metastasis in response to activation of PI3-kinase and Ras signaling in a mouse model of advanced prostate cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E3506-15	11.5	86
74	Luminal cells are favored as the cell of origin for prostate cancer. *Cell Reports*, **2014**, 8, 1339-46	10.6	83
73	Revisiting the concept of cancer stem cells in prostate cancer. *Oncogene*, **2011**, 30, 1261-71	9.2	83
72	Roles of the Nkx3.1 homeobox gene in prostate organogenesis and carcinogenesis. *Developmental Dynamics*, **2003**, 228, 767-78	2.9	82
71	Conserved regulation and role of Pitx2 in situs-specific morphogenesis of visceral organs. *Development (Cambridge)*, **2006**, 133, 3015-25	6.6	79
70	Activation of beta-Catenin in mouse prostate causes HGPIN and continuous prostate growth after castration. *Prostate*, **2009**, 69, 249-62	4.2	78
69	Prostate-specific Klf6 inactivation impairs anterior prostate branching morphogenesis through increased activation of the Shh pathway.. *Journal of Biological Chemistry*, **2011**, 286, 43587	5.4	78
68	B-Raf activation cooperates with PTEN loss to drive c-Myc expression in advanced prostate cancer. *Cancer Research*, **2012**, 72, 4765-76	10.1	74
67	Sox9 is required for prostate development. *Developmental Biology*, **2008**, 316, 302-11	3.1	74
66	Emergence of androgen independence at early stages of prostate cancer progression in Nkx3.1; Pten mice. *Cancer Research*, **2006**, 66, 7929-33	10.1	74
65	Sulfated glycosaminoglycans are necessary for Nodal signal transmission from the node to the left lateral plate in the mouse embryo. *Development (Cambridge)*, **2007**, 134, 3893-904	6.6	74
64	Atg7 cooperates with Pten loss to drive prostate cancer tumor growth. *Genes and Development*, **2016**, 30, 399-407	12.6	71
63	Inhibition of excess nodal signaling during mouse gastrulation by the transcriptional corepressor DRAP1. *Science*, **2002**, 298, 1996-9	33.3	69
62	Complementary functions of Otx2 and Cripto in initial patterning of mouse epiblast. *Developmental Biology*, **2001**, 235, 12-32	3.1	67
61	Dual targeting of the Akt/mTOR signaling pathway inhibits castration-resistant prostate cancer in a genetically engineered mouse model. *Cancer Research*, **2012**, 72, 4483-93	10.1	64
60	Chromoplexy: a new category of complex rearrangements in the cancer genome. *Cancer Cell*, **2013**, 23, 567-9	24.3	62
59	Distinct modes of floor plate induction in the chick embryo. *Development (Cambridge)*, **2003**, 130, 4809-20	6.6	60
58	Role of epithelial cell fibroblast growth factor receptor substrate 2alpha in prostate development, regeneration and tumorigenesis. *Development (Cambridge)*, **2008**, 135, 775-84	6.6	55

57	The roots of cancer: stem cells and the basis for tumor heterogeneity. *BioEssays*, **2013**, 35, 253-60	4.1	52
56	Non-cell-autonomous role for Cripto in axial midline formation during vertebrate embryogenesis. *Development (Cambridge)*, **2005**, 132, 5539-51	6.6	48
55	NSD2 is a conserved driver of metastatic prostate cancer progression. *Nature Communications*, **2018**, 9, 5201	17.4	44
54	Regulation of extra-embryonic endoderm stem cell differentiation by Nodal and Cripto signaling. *Development (Cambridge)*, **2011**, 138, 3885-95	6.6	38
53	Transient pairing of homologous Oct4 alleles accompanies the onset of embryonic stem cell differentiation. *Cell Stem Cell*, **2015**, 16, 275-88	18	37
52	Basal Progenitors Contribute to Repair of the Prostate Epithelium Following Induced Luminal Anoikis. *Stem Cell Reports*, **2016**, 6, 660-667	8	37
51	Lineage Plasticity in Cancer Progression and Treatment. *Annual Review of Cancer Biology*, **2018**, 2, 271-289	3.3	37
50	Context-dependent neuronal differentiation and germ layer induction of Smad4-/- and Cripto-/- embryonic stem cells. *Molecular and Cellular Neurosciences*, **2005**, 28, 417-29	4.8	32
49	FGF signaling in prostate tumorigenesis--new insights into epithelial-stromal interactions. *Cancer Cell*, **2007**, 12, 495-7	24.3	31
48	Two nodal-responsive enhancers control left-right asymmetric expression of Nodal. *Developmental Dynamics*, **2005**, 232, 1031-6	2.9	31
47	Prostate Stem Cells and Cancer Stem Cells. *Cold Spring Harbor Perspectives in Medicine*, **2019**, 9,	5.4	31
46	Cell types of origin for prostate cancer. *Current Opinion in Cell Biology*, **2015**, 37, 35-41	9	30
45	Functional redundancy of EGF-CFC genes in epiblast and extraembryonic patterning during early mouse embryogenesis. *Developmental Biology*, **2010**, 342, 63-73	3.1	30
44	Cripto regulates skeletal muscle regeneration and modulates satellite cell determination by antagonizing myostatin. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E3231-40	11.5	28
43	Canonical Wnt signaling regulates Nkx3.1 expression and luminal epithelial differentiation during prostate organogenesis. *Developmental Dynamics*, **2013**, 242, 1160-71	2.9	27
42	Predicting Drug Response in Human Prostate Cancer from Preclinical Analysis of In Vivo Mouse Models. *Cell Reports*, **2015**, 12, 2060-71	10.6	27
41	Decrypting the role of Cripto in tumorigenesis. *Journal of Clinical Investigation*, **2003**, 112, 500-2	15.9	27
40	Prostate-specific Klf6 inactivation impairs anterior prostate branching morphogenesis through increased activation of the Shh pathway. *Journal of Biological Chemistry*, **2009**, 284, 21057-65	5.4	21

39	From blastocyst to gastrula: gene regulatory networks of embryonic stem cells and early mouse embryogenesis. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2014**, 369,	5.8	20
38	A computational systems approach identifies synergistic specification genes that facilitate lineage conversion to prostate tissue. *Nature Communications*, **2017**, 8, 14662	17.4	19
37	Identification of differentially expressed genes in mouse development using differential display and in situ hybridization. *Methods*, **2001**, 24, 15-27	4.6	19
36	A single-cell atlas of the mouse and human prostate reveals heterogeneity and conservation of epithelial progenitors. *ELife*, **2020**, 9,	8.9	19
35	Initiation of prostate cancer in mice by Tp53R270H: evidence for an alternative molecular progression. *DMM Disease Models and Mechanisms*, **2012**, 5, 914-20	4.1	18
34	Differential requirements of androgen receptor in luminal progenitors during prostate regeneration and tumor initiation. *ELife*, **2018**, 7,	8.9	18
33	A novel PF/PN motif inhibits nuclear localization and DNA binding activity of the ESX1 homeoprotein. *Molecular and Cellular Biology*, **2000**, 20, 661-71	4.8	17
32	SnapShot: Prostate cancer. *Cancer Cell*, **2013**, 24, 400.e1	24.3	16
31	Progenitor cells for the prostate epithelium: roles in development, regeneration, and cancer. *Cold Spring Harbor Symposia on Quantitative Biology*, **2008**, 73, 529-38	3.9	16
30	Cancer: The complex seeds of metastasis. *Nature*, **2015**, 520, 298-9	50.4	15
29	Nkx3.1 controls the DNA repair response in the mouse prostate. *Prostate*, **2016**, 76, 402-8	4.2	12
28	Functional redundancy of type I and type II receptors in the regulation of skeletal muscle growth by myostatin and activin A. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 30907-30917	11.5	12
27	Mouse Fem1b interacts with the Nkx3.1 homeoprotein and is required for proper male secondary sexual development. *Developmental Dynamics*, **2008**, 237, 2963-72	2.9	10
26	Stem cells in genetically-engineered mouse models of prostate cancer. *Endocrine-Related Cancer*, **2015**, 22, T199-208	5.7	9
25	Development and characterization of a novel CD19CherryLuciferase (CD19CL) transgenic mouse for the preclinical study of B-cell lymphomas. *Clinical Cancer Research*, **2012**, 18, 3803-11	12.9	9
24	Mash1 expression is induced in neuroendocrine prostate cancer upon the loss of Foxa2. *Prostate*, **2013**, 73, 582-9	4.2	8
23	NKX3.1 Localization to Mitochondria Suppresses Prostate Cancer Initiation. *Cancer Discovery*, **2021**, 11, 2316-2333	24.4	8
22	ProNodal acts via FGFR3 to govern duration of Shh expression in the prechordal mesoderm. *Development (Cambridge)*, **2015**, 142, 3821-32	6.6	7

21	Bipotent Progenitors Do Not Require Androgen Receptor for Luminal Specification during Prostate Organogenesis. *Stem Cell Reports*, **2020**, 15, 1026-1036	8	7
20	Cripto-1 ablation disrupts alveolar development in the mouse mammary gland through a progesterone receptor-mediated pathway. *American Journal of Pathology*, **2015**, 185, 2907-22	5.8	6
19	Illuminating the Properties of Prostate Luminal Progenitors. *Cell Stem Cell*, **2015**, 17, 644-646	18	5
18	Major sex-determining genes and the control of sexual dimorphism in Caenorhabditis elegans. *Genome*, **1989**, 31, 625-637	2.4	5
17	A Positive Step toward Understanding Double-Negative Metastatic Prostate Cancer. *Cancer Cell*, **2019**, 36, 117-119	24.3	4
16	NestinNG2 Cells Form a Reserve Stem Cell Population in the Mouse Prostate. *Stem Cell Reports*, **2019**, 12, 1201-1211	8	3
15	PD38-07 GENETIC MUTATIONS IN PATIENT-DERIVED BLADDER TUMOR ORGANOIDS MIMIC PARENTAL TUMOR SAMPLES. *Journal of Urology*, **2016**, 195,	2.5	2
14	An Unusual Gene Dosage Effect of p27kip1 in a Mouse Model of Prostate Cancer. *Cell Cycle*, **2005**, 4, 426-428	4.7	2
13	HER3 is an Actionable Target in Advanced Prostate Cancer. *Cancer Research*, **2021**,	10.1	2
12	TGM4: an immunogenic prostate-restricted antigen **2021**, 9,		2
11	Prostate Cancer Research at the Crossroads. *Cold Spring Harbor Perspectives in Medicine*, **2019**, 9,	5.4	2
10	Comparative lineage tracing reveals cellular preferences for prostate cancer initiation. *Molecular and Cellular Oncology*, **2015**, 2, e985548	1.2	1
9	Canonical Wnt signaling regulates Nkx3.1 expression and luminal epithelial differentiation during prostate organogenesis. *Developmental Dynamics*, **2013**, 242, C1-C1	2.9	1
8	GENETICALLY ENGINEERED MOUSE MODELS IN PROSTATE CANCER RESEARCH **2011**, 219-282		1
7	Cancer stem cells: advances in biology and clinical translation-a Keystone Symposia report. *Annals of the New York Academy of Sciences*, **2021**,	6.5	1
6	Heterogeneity and complexity of the prostate epithelium: New findings from single-cell RNA sequencing studies. *Cancer Letters*, **2022**, 525, 108-114	9.9	1
5	Prostate cancer cell heterogeneity and plasticity: Insights from studies of genetically-engineered mouse models. *Seminars in Cancer Biology*, **2021**,	12.7	1
4	Novel Mouse Models of Bladder Cancer Identify a Prognostic Signature Associated with Risk of Disease Progression. *Cancer Research*, **2021**, 81, 5161-5175	10.1	1

3	CRISPR/Cas9-Mediated Point Mutation in Prolongs Protein Half-Life and Reverses Effects Allelic Loss. *Cancer Research*, **2020**, 80, 4805-4814	10.1	0
2	Intra-epithelial non-canonical Activin A signaling safeguards prostate progenitor quiescence.. *EMBO Reports*, **2022**, e54049	6.5	0
1	Regulation of extra-embryonic endoderm stem cell differentiation by Nodal and Cripto signaling. *Journal of Cell Science*, **2011**, 124, e1-e1	5.3	