Xue-Ru Wu

List of Publications by Year
in descending order

119 papers	7,884 citations	44069 48 h-index	53230 85 g-index
122 all docs	122 docs citations	122 times ranked	7846 citing authors

#	Article	IF	Citations
1	PKM2 Is Essential for Bladder Cancer Growth and Maintenance. Cancer Research, 2022, 82, 571-585.	0.9	24
2	The kidney protects against sepsis by producing systemic uromodulin. American Journal of Physiology - Renal Physiology, 2022, 323, F212-F226.	2.7	12
3	Episodic Aspiration with Oral Commensals Induces a MyD88-dependent, Pulmonary T-Helper Cell Type 17 Response that Mitigates Susceptibility to Streptococcus pneumoniae. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1099-1111.	5.6	55
4	Dominant role of CDKN2B/p15INK4B of 9p21.3 tumor suppressor hub in inhibition of cell-cycle and glycolysis. Nature Communications, 2021, 12, 2047.	12.8	30
5	Uromodulin (Tammâ€“Horsfall protein): guardian of urinary and systemic homeostasis. Nephrology Dialysis Transplantation, 2020, 35, 33-43.	0.7	71
6	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
7	Ultrastructural Analysis of the Earliest Steps of Kidney Stone Formation: Insights into Novel Preventive Strategies. Microscopy and Microanalysis, 2020, 26, 1334-1335.	0.4	0
8	Mitochondrial lipid droplet formation as a detoxification mechanism to sequester and degrade excessive urothelial membranes. Molecular Biology of the Cell, 2019, 30, 2969-2984.	2.1	18
9	Electronic-cigarette smoke induces lung adenocarcinoma and bladder urothelial hyperplasia in mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21727-21731.	7.1	151
10	Maintenance of the bladder cancer precursor urothelial hyperplasia requires FOXA1 and persistent expression of oncogenic HRAS. Scientific Reports, 2019, 9, 270.	3.3	7
11	Downregulation of miR-200c stabilizes XIAP mRNA and contributes to invasion and lung metastasis of bladder cancer. Cell Adhesion and Migration, 2019, 13, 235-247.	2.7	13
12	Characterization of Histone Deacetylase Expression Within In Vitro and In Vivo Bladder Cancer Model Systems. International Journal of Molecular Sciences, 2019, 20, 2599.	4.1	18
13	The RING domain in the anti-apoptotic protein XIAP stabilizes c-Myc protein and preserves anchorage-independent growth of bladder cancer cells. Journal of Biological Chemistry, 2019, 294, 5935-5944.	3.4	9
14	MEG3, as a Competing Endogenous RNA, Binds with miR-27a to Promote PHLPP2 Protein Translation and Impairs Bladder Cancer Invasion. Molecular Therapy - Nucleic Acids, 2019, 16, 51-62.	5.1	50
15	E-cigarette smoke damages DNA and reduces repair activity in mouse lung, heart, and bladder as well as in human lung and bladder cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1560-E1569.	7.1	235
16	XIAP overexpression promotes bladder cancer invasion in vitro and lung metastasis in vivo via enhancing nucleolinâ€mediated Rhoâ€GDIÎ² mRNA stability. International Journal of Cancer, 2018, 142, 2040-2055.	5.1	46
17	Modeling Bladder Cancer with Genetic Engineering: Fidelity of Human-to-Laboratory Models. Molecular Pathology Library, 2018, , 221-237.	0.1	0
18	Tamm-Horsfall Protein Regulates Mononuclear Phagocytes in the Kidney. Journal of the American Society of Nephrology: JASN, 2018, 29, 841-856.	6.1	70

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19	Uromodulin deficiency alters tubular injury and interstitial inflammation but not fibrosis in experimental obstructive nephropathy. Physiological Reports, 2018, 6, e13654.	1.7	17
20	Uroplakins play conserved roles in egg fertilization and acquired additional urothelial functions during mammalian divergence. Molecular Biology of the Cell, 2018, 29, 3128-3143.	2.1	11
21	PHLPP2 stabilization by p27 mediates its inhibition of bladder cancer invasion by promoting autophagic degradation of MMP2 protein. Oncogene, 2018, 37, 5735-5748.	5.9	27
22	Tamm-Horsfall protein/uromodulin deficiency elicits tubular compensatory responses leading to hypertension and hyperuricemia. American Journal of Physiology - Renal Physiology, 2018, 314, F1062-F1076.	2.7	28
23	Uromodulin regulates renal magnesium homeostasis through the ion channel transient receptor potential melastatin 6 (TRPM6). Journal of Biological Chemistry, 2018, 293, 16488-16502.	3.4	43
24	Aldehydes are the predominant forces inducing DNA damage and inhibiting DNA repair in tobacco smoke carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6152-E6161.	7.1	88
25	XIAP BIR domain suppresses miR-200a expression and subsequently promotes EGFR protein translation and anchorage-independent growth of bladder cancer cell. Journal of Hematology and Oncology, 2017, 10, 6.	17.0	30
26	Role of STAT3 and FOXO1 in the Divergent Therapeutic Responses of Non-metastatic and Metastatic Bladder Cancer Cells to miR-145. Molecular Cancer Therapeutics, 2017, 16, 924-935.	4.1	30
27	On a FOX hunt: functions of FOX transcriptional regulators in bladder cancer. Nature Reviews Urology, 2017, 14, 98-106.	3.8	30
28	Inhibition of Pyruvate Kinase M2 Markedly Reduces Chemoresistance of Advanced Bladder Cancer to Cisplatin. Scientific Reports, 2017, 7, 45983.	3.3	69
29	Rho<scp>GDI</scp>Î² promotes Sp1/<scp>MMP</scp>â€2 expression and bladder cancer invasion through perturbing miRâ€200câ€targeted <scp>JNK</scp>2 protein translation. Molecular Oncology, 2017, 11, 1579-1594.	4.6	27
30	p63Î± protein up-regulates heat shock protein 70 expression via E2F1 transcription factor 1, promoting Wasf3/Wave3/MMP9 signaling and bladder cancer invasion. Journal of Biological Chemistry, 2017, 292, 15952-15963.	3.4	23
31	Attention to Detail by Single-cell Sequencing. European Urology, 2017, 71, 13-14.	1.9	1
32	Uromodulinâ€“SlpA binding dictates Lactobacillus acidophilus uptake by intestinal epithelial M cells. International Immunology, 2017, 29, 357-363.	4.0	32
33	Point mutation in D8C domain of Tamm-Horsfall protein/uromodulin in transgenic mice causes progressive renal damage and hyperuricemia. PLoS ONE, 2017, 12, e0186769.	2.5	14
34	Sequential and compartmentalized action of Rabs, SNAREs, and MAL in the apical delivery of fusiform vesicles in urothelial umbrella cells. Molecular Biology of the Cell, 2016, 27, 1621-1634.	2.1	24
35	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
36	High Sensitivity of an Ha-RAS Transgenic Model of Superficial Bladder Cancer to Metformin Is Associated with â^¼240-Fold Higher Drug Concentration in Urine than Serum. Molecular Cancer Therapeutics, 2016, 15, 430-438.	4.1	16

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37	Targeting mTOR and p53 Signaling Inhibits Muscle Invasive Bladder Cancer In Vivo. Cancer Prevention Research, 2016, 9, 53-62.	1.5	14
38	XIAP RING domain mediates miR-4295 expression and subsequently inhibiting p63Î± protein translation and promoting transformation of bladder epithelial cells. Oncotarget, 2016, 7, 56540-56557.	1.8	29
39	Role of isoenzyme M2 of pyruvate kinase in urothelial tumorigenesis. Oncotarget, 2016, 7, 23947-23960.	1.8	21
40	Inhibition of PHLPP2/cyclin D1 protein translation contributes to the tumor suppressive effect of NFÎºB2 (p100). Oncotarget, 2016, 7, 34112-34130.	1.8	18
41	Dual ligand/receptor interactions activate urothelial defenses against uropathogenic E. coli. Scientific Reports, 2015, 5, 16234.	3.3	13
42	Anatomy and Physiology of the Urinary Tract: Relation to Host Defense and Microbial Infection. Microbiology Spectrum, 2015, 3, .	3.0	59
43	Tamm-Horsfall Protein Regulates Granulopoiesis and Systemic Neutrophil Homeostasis. Journal of the American Society of Nephrology: JASN, 2015, 26, 2172-2182.	6.1	51
44	Interstitial calcinosis in renal papillae of genetically engineered mouse models: relation to Randallâ€™s plaques. Urolithiasis, 2015, 43, 65-76.	2.0	16
45	Inhibition and Reversal of Microbial Attachment by an Antibody with Parasteric Activity against the FimH Adhesin of Uropathogenic E. coli. PLoS Pathogens, 2015, 11, e1004857.	4.7	41
46	Oncogenic HRAS Activates Epithelial-to-Mesenchymal Transition and Confers Stemness to p53-Deficient Urothelial Cells to Drive Muscle Invasion of Basal Subtype Carcinomas. Cancer Research, 2015, 75, 2017-2028.	0.9	27
47	ATDC/TRIM29 Drives Invasive Bladder Cancer Formation through miRNA-Mediated and Epigenetic Mechanisms. Cancer Research, 2015, 75, 5155-5166.	0.9	59
48	Tumorigenicity of RTK/RAS in urothelium. Oncoscience, 2015, 2, 739-740.	2.2	5
49	Divergent behaviors and underlying mechanisms of cell migration and invasion in non-metastatic T24 and its metastatic derivative T24T bladder cancer cell lines. Oncotarget, 2015, 6, 522-536.	1.8	50
50	Cigarette side-stream smoke lung and bladder carcinogenesis: inducing mutagenic acrolein-DNA adducts, inhibiting DNA repair and enhancing anchorage-independent-growth cell transformation. Oncotarget, 2015, 6, 33226-33236.	1.8	46
51	Abstract 4653: Modulation of mTOR and p53 signaling using rapamycin plus CP-31398 inhibits growth and progression of urothelial carcinoma in-vivo. , 2015, , .		0
52	SNX31: A Novel Sorting Nexin Associated with the Uroplakin-Degrading Multivesicular Bodies in Terminally Differentiated Urothelial Cells. PLoS ONE, 2014, 9, e99644.	2.5	23
53	Chemoprevention of Urothelial Cell Carcinoma Growth and Invasion by the Dual COXâ€“LOX Inhibitor Licofelone in UPII-SV40T Transgenic Mice. Cancer Prevention Research, 2014, 7, 708-716.	1.5	21
54	Bladder cancers arise from distinct urothelial sub-populations. Nature Cell Biology, 2014, 16, 982-991.	10.3	163

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55	Loss of p27 upregulates MnSOD in a STAT3-dependent manner, disrupts intracellular redox activity and enhances cell migration. Journal of Cell Science, 2014, 127, 2920-33.	2.0	24
56	Estrogen Receptor Alpha Prevents Bladder Cancer Development via INPP4B inhibited Akt Pathway in vitro and in vivo. Oncotarget, 2014, 5, 7917-7935.	1.8	63
57	Acrolein- and 4-Aminobiphenyl-DNA adducts in human bladder mucosa and tumor tissue and their mutagenicity in human urothelial cells. Oncotarget, 2014, 5, 3526-3540.	1.8	45
58	Novel role of X-linked inhibitor of apoptosis protein (XIAP) in bladder cancer cell invasion and prediction of disease progression.. Journal of Clinical Oncology, 2014, 32, e15504-e15504.	1.6	1
59	Abstract B24: ATDC (Trim29) drives invasive bladder cancer formation. , 2014, , .		0
60	KAVA Chalcone, Flavokawain A, Inhibits Urothelial Tumorigenesis in the UPII-SV40T Transgenic Mouse Model. Cancer Prevention Research, 2013, 6, 1365-1375.	1.5	34
61	Decreased Tumorigenesis and Mortality from Bladder Cancer in Mice Lacking Urothelial Androgen Receptor. American Journal of Pathology, 2013, 182, 1811-1820.	3.8	104
62	Uroplakins as Unique Tetraspanin Networks. , 2013, , 299-320.		4
63	Tamm-Horsfall protein translocates to the basolateral domain of thick ascending limbs, interstitium, and circulation during recovery from acute kidney injury. American Journal of Physiology - Renal Physiology, 2013, 304, F1066-F1075.	2.7	105
64	Cyclin D1 Downregulation Contributes to Anticancer Effect of Isorhapontigenin on Human Bladder Cancer Cells. Molecular Cancer Therapeutics, 2013, 12, 1492-1503.	4.1	49
65	Current Preclinical Models for the Advancement of Translational Bladder Cancer Research. Molecular Cancer Therapeutics, 2013, 12, 121-130.	4.1	28
66	Uromodulin upregulates TRPV5 by impairing caveolin-mediated endocytosis. Kidney International, 2013, 84, 130-137.	5.2	59
67	Urothelial tumor initiation requires deregulation of multiple signaling pathways: implications in target-based therapies. Carcinogenesis, 2012, 33, 770-780.	2.8	20
68	The Chinese Herb Isolate Isorhapontigenin Induces Apoptosis in Human Cancer Cells by Down-regulating Overexpression of Antiapoptotic Protein XIAP. Journal of Biological Chemistry, 2012, 287, 35234-35243.	3.4	57
69	Aristolochic acid-associated urothelial cancer in Taiwan. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8241-8246.	7.1	347
70	Molecular and Cellular Effects of Tamm-Horsfall Protein Mutations and Their Rescue by Chemical Chaperones. Journal of Biological Chemistry, 2012, 287, 1290-1305.	3.4	26
71	Tamm-Horsfall Protein Regulates Circulating and Renal Cytokines by Affecting Glomerular Filtration Rate and Acting as a Urinary Cytokine Trap. Journal of Biological Chemistry, 2012, 287, 16365-16378.	3.4	43
72	Loss of the Urothelial Differentiation Marker FOXA1 Is Associated with High Grade, Late Stage Bladder Cancer and Increased Tumor Proliferation. PLoS ONE, 2012, 7, e36669.	2.5	81

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73	Uromodulin in Kidney Injury: An Instigator, Bystander, or Protector?. American Journal of Kidney Diseases, 2012, 59, 452-461.	1.9	95
74	K-Ras and Î²-catenin mutations cooperate with Fgfr3 mutations in mice to promote tumorigenesis in the skin and lung, but not in the bladder. DMM Disease Models and Mechanisms, 2011, 4, 548-555.	2.4	42
75	Tamm-Horsfall protein-deficient thick ascending limbs promote injury to neighboring S3 segments in an MIP-2-dependent mechanism. American Journal of Physiology - Renal Physiology, 2011, 300, F999-F1007.	2.7	72
76	Comparison of the pathology of interstitial plaque in human ICSF stone patients to NHERF-1 and THP-null mice. Urological Research, 2010, 38, 439-452.	1.5	20
77	Temporally and spatially controllable gene expression and knockout in mouse urothelium. American Journal of Physiology - Renal Physiology, 2010, 299, F387-F395.	2.7	14
78	Progressive renal papillary calcification and ureteral stone formation in mice deficient for Tamm-Horsfall protein. American Journal of Physiology - Renal Physiology, 2010, 299, F469-F478.	2.7	87
79	Deficiency of pRb Family Proteins and p53 in Invasive Urothelial Tumorigenesis. Cancer Research, 2009, 69, 9413-9421.	0.9	69
80	Biology of urothelial tumorigenesis: insights from genetically engineered mice. Cancer and Metastasis Reviews, 2009, 28, 281-290.	5.9	47
81	Uroplakins in urothelial biology, function, and disease. Kidney International, 2009, 75, 1153-1165.	5.2	284
82	Immunohistochemical Panel to Identify the Primary Site of Invasive Micropapillary Carcinoma. American Journal of Surgical Pathology, 2009, 33, 1037-1041.	3.7	117
83	Tamm-Horsfall protein protects the kidney from ischemic injury by decreasing inflammation and altering TLR4 expression. American Journal of Physiology - Renal Physiology, 2008, 295, F534-F544.	2.7	142
84	Renal calcinosis and stone formation in mice lacking osteopontin, Tamm-Horsfall protein, or both. American Journal of Physiology - Renal Physiology, 2007, 293, F1935-F1943.	2.7	104
85	Decreased DOC-2/DAB2 Expression in Urothelial Carcinoma of the Bladder. Clinical Cancer Research, 2007, 13, 4400-4406.	7.0	52
86	Persistent uroplakin expression in advanced urothelial carcinomas: implications in urothelial tumor progression and clinical outcome. Human Pathology, 2007, 38, 1703-1713.	2.0	76
87	The histone deacetylase inhibitor belinostat (PXD101) suppresses bladder cancer cell growth in vitro and in vivo. Journal of Translational Medicine, 2007, 5, 49.	4.4	71
88	Lymphatic vessel density and function in experimental bladder cancer. BMC Cancer, 2007, 7, 219.	2.6	25
89	Hyperactivation of Ha-ras oncogene, but not Ink4a/Arf deficiency, triggers bladder tumorigenesis. Journal of Clinical Investigation, 2007, 117, 314-325.	8.2	101
90	Distinct Glycan Structures of Uroplakins Ia and Ib. Journal of Biological Chemistry, 2006, 281, 14644-14653.	3.4	119

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91	Urothelial tumorigenesis: a tale of divergent pathways. Nature Reviews Cancer, 2005, 5, 713-725.	28.4	621
92	Urothelial umbrella cells of human ureter are heterogeneous with respect to their uroplakin composition: different degrees of urothelial maturity in ureter and bladder?. European Journal of Cell Biology, 2005, 84, 393-405.	3.6	46
93	Gene deletion in urothelium by specific expression of Cre recombinase. American Journal of Physiology - Renal Physiology, 2005, 289, F562-F568.	2.7	40
94	Differential Expression of Cell Cycle Regulators in Phenotypic Variants of Transgenically Induced Bladder Tumors: Implications for Tumor Behavior. Cancer Research, 2005, 65, 1150-1157.	0.9	36
95	Cellular basis of urothelial squamous metaplasia. Journal of Cell Biology, 2005, 171, 835-844.	5.2	97
96	Variation of High Mannose Chains of Tamm-Horsfall Glycoprotein Confers Differential Binding to Type 1-fimbriated Escherichia coli. Journal of Biological Chemistry, 2004, 279, 216-222.	3.4	32
97	Ablation of the Tamm-Horsfall protein gene increases susceptibility of mice to bladder colonization by type 1-fimbriatedEscherichia coli. American Journal of Physiology - Renal Physiology, 2004, 286, F795-F802.	2.7	165
98	Lack of major involvement of human uroplakin genes in vesicoureteral reflux: Implications for disease heterogeneity. Kidney International, 2004, 66, 10-19.	5.2	49
99	Tamm-Horsfall protein is a critical renal defense factor protecting against calcium oxalate crystal formation. Kidney International, 2004, 66, 1159-1166.	5.2	217
100	p53 deficiency provokes urothelial proliferation and synergizes with activated Ha-ras in promoting urothelial tumorigenesis. Oncogene, 2004, 23, 687-696.	5.9	59
101	Detection of circulating cancer cells expressing uroplakins and epidermal growth factor receptor in bladder cancer patients. International Journal of Cancer, 2004, 111, 934-939.	5.1	46
102	Renal tubule-specific expression and urinary secretion of human growth hormone: a kidney-based transgenic bioreactor growth. Transgenic Research, 2003, 12, 155-162.	2.4	8
103	Allelic loss of p53 gene is associated with genesis and maintenance, but not invasion, of mouse carcinoma in situ of the bladder. Cancer Research, 2003, 63, 179-85.	0.9	30
104	Isolation of mouse THP gene promoter and demonstration of its kidney-specific activity in transgenic mice. American Journal of Physiology - Renal Physiology, 2002, 282, F608-F617.	2.7	43
105	Overexpression of epidermal growth factor receptor in urothelium elicits urothelial hyperplasia and promotes bladder tumor growth. Cancer Research, 2002, 62, 4157-63.	0.9	76
106	Organization of uroplakin subunits: transmembrane topology, pair formation and plaque composition. Biochemical Journal, 2001, 355, 13-18.	3.7	97
107	Brenner tumors but not transitional cell carcinomas of the ovary show urothelial differentiation: immunohistochemical staining of urothelial markers, including cytokeratins and uroplakins. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2001, 438, 181-191.	2.8	108
108	Role of Ha-ras activation in superficial papillary pathway of urothelial tumor formation. Oncogene, 2001, 20, 1973-1980.	5.9	144

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109	Tamm-Horsfall Protein Binds to Type 1 Fimbriated Escherichia coli and Prevents E. coli from Binding to Uroplakin Ia and Ib Receptors. Journal of Biological Chemistry, 2001, 276, 9924-9930.	3.4	260
110	Organization of uroplakin subunits: transmembrane topology, pair formation and plaque composition. Biochemical Journal, 2001, 355, 13.	3.7	72
111	Uroplakin Ia is the urothelial receptor for uropathogenicEscherichia coli: evidence from in vitro FimH binding. Journal of Cell Science, 2001, 114, 4095-4103.	2.0	311
112	Ablation of Uroplakin III Gene Results in Small Urothelial Plaques, Urothelial Leakage, and Vesicoureteral Reflux. Journal of Cell Biology, 2000, 151, 961-972.	5.2	226
113	UROPLAKIN AND ANDROGEN RECEPTOR EXPRESSION IN THE HUMAN FETAL GENITAL TRACT: INSIGHTS INTO THE DEVELOPMENT OF THE VAGINA. Journal of Urology, 2000, 164, 1048-1051.	0.4	56
114	DETECTION OF CIRCULATING UROPLAKIN-POSITIVE CELLS IN PATIENTS WITH TRANSITIONAL CELL CARCINOMA OF THE BLADDER. Journal of Urology, 1999, 162, 931-935.	0.4	60
115	Three-dimensional analysis of the 16 nm urothelial plaque particle: luminal surface exposure, preferential head-to-head interaction, and hinge formation 1 1Edited by W. Baumeisser. Journal of Molecular Biology, 1999, 285, 595-608.	4.2	123
116	Selective Interactions of UPIa and UPIb, Two Members of the Transmembrane 4 Superfamily, with Distinct Single Transmembrane-domained Proteins in Differentiated Urothelial Cells. Journal of Biological Chemistry, 1995, 270, 29752-29759.	3.4	118
117	Towards the Molecular Architecture of the Asymmetric Unit Membrane of the Mammalian Urinary Bladder Epithelium: A Closed â€œTwisted Ribbonâ€•Structure. Journal of Molecular Biology, 1995, 248, 887-900.	4.2	104
118	Anatomy and Physiology of the Urinary Tract: Relation to Host Defense and Microbial Infection. , 0, , 1-25.		3
119	Allelic Variation of the FimH Lectin of Escherichia coli Type 1 Fimbriae and Uropathogenesis. , 0, , 351-377.		0