Visith Thongboonkerd

List of Publications by Year
in descending order

290	12,001	36271	37183
papers	citations	51 h-index	96 g-index

345	345	345	11543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proteomic identification of oxidatively modified proteins in alzheimerâ€™s disease brain. part I: creatine kinase BB, glutamine synthase, and ubiquitin carboxy-terminal hydrolase L-1. Free Radical Biology and Medicine, 2002, 33, 562-571.	1.3	545
2	Proteomic identification of oxidatively modified proteins in Alzheimer's disease brain. Part II: dihydropyrimidinase-related proteinâ€ƒ2, Î±-enolase and heat shock cognateâ€ƒ71. Journal of Neurochemistry, 2002, 82, 1524-1532.	2.1	528
3	Proteomic identification of nitrated proteins in Alzheimer's disease brain. Journal of Neurochemistry, 2003, 85, 1394-1401.	2.1	514
4	Naturally Occurring Human Urinary Peptides for Use in Diagnosis of Chronic Kidney Disease. Molecular and Cellular Proteomics, 2010, 9, 2424-2437.	2.5	434
5	Proteomic analysis of normal human urinary proteins isolated by acetone precipitation or ultracentrifugation. Kidney International, 2002, 62, 1461-1469.	2.6	324
6	Clinical proteomics: A need to define the field and to begin to set adequate standards. Proteomics - Clinical Applications, 2007, 1, 148-156.	0.8	274
7	Recommendations for Biomarker Identification and Qualification in Clinical Proteomics. Science Translational Medicine, 2010, 2, 46ps42.	5.8	273
8	Advances in Urinary Proteome Analysis and Biomarker Discovery. Journal of the American Society of Nephrology: JASN, 2007, 18, 1057-1071.	3.0	264
9	Cardiac mitochondrial damage and biogenesis in a chronic model of type 1 diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E896-E905.	1.8	232
10	Renal and urinary proteomics: Current applications and challenges. Proteomics, 2005, 5, 1033-1042.	1.3	224
11	Body Fluid Proteomics for Biomarker Discovery: Lessons from the Past Hold the Key to Success in the Future. Journal of Proteome Research, 2007, 6, 4549-4555.	1.8	216
12	Practical Points in Urinary Proteomics. Journal of Proteome Research, 2007, 6, 3881-3890.	1.8	190
13	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2021, 10, e12093.	5.5	182
14	Human Proteinpedia enables sharing of human protein data. Nature Biotechnology, 2008, 26, 164-167.	9.4	155
15	Systematic comparisons of artificial urine formulas for in vitro cellular study. Analytical Biochemistry, 2010, 402, 110-112.	1.1	154
16	Systematic Evaluation of Sample Preparation Methods for Gel-Based Human Urinary Proteomics:â€‰ Quantity, Quality, and Variability. Journal of Proteome Research, 2006, 5, 183-191.	1.8	152
17	Implementation of proteomic biomarkers: making it work. European Journal of Clinical Investigation, 2012, 42, 1027-1036.	1.7	151
18	Quantitative proteomics analysis of specific protein expression and oxidative modification in aged senescence-accelerated-prone 8 mice brain. Neuroscience, 2004, 126, 915-926.	1.1	148

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19	Comprehensive human urine standards for comparability and standardization in clinical proteome analysis. Proteomics - Clinical Applications, 2010, 4, 464-478.	0.8	139
20	Redox proteomics analysis of oxidatively modified proteins in G93A-SOD1 transgenic miceâ€"a model of familial amyotrophic lateral sclerosis. Free Radical Biology and Medicine, 2005, 39, 453-462.	1.3	129
21	Proteomic analysis of specific brain proteins in aged SAMP8 mice treated with alpha-lipoic acid: implications for aging and age-related neurodegenerative disorders. Neurochemistry International, 2005, 46, 159-168.	1.9	117
22	Factors determining types and morphologies of calcium oxalate crystals: Molar concentrations, buffering, pH, stirring and temperature. Clinica Chimica Acta, 2006, 367, 120-131.	0.5	113
23	Alterations in the Renal Elastin-Elastase System in Type 1 Diabetic Nephropathy Identified by Proteomic Analysis. Journal of the American Society of Nephrology: JASN, 2004, 15, 650-662.	3.0	102
24	Proteomic analysis of CA1 and CA3 regions of rat hippocampus and differential susceptibility to intermittent hypoxia. Journal of Neurochemistry, 2002, 83, 331-345.	2.1	98
25	Proteomic analysis of differentially expressed proteins in Penaeus vannamei hemocytes upon Taura syndrome virus infection. Proteomics, 2007, 7, 3592-3601.	1.3	92
26	Proteomic analysis of brain proteins in the gracile axonal dystrophy (gad) mouse, a syndrome that emanates from dysfunctional ubiquitin carboxylâ€terminal hydrolase Lâ€1, reveals oxidation of key proteins. Journal of Neurochemistry, 2004, 88, 1540-1546.	2.1	89
27	The Ubiquitinâ"Proteasome Pathway Is Important for Dengue Virus Infection in Primary Human Endothelial Cells. Journal of Proteome Research, 2010, 9, 4960-4971.	1.8	89
28	Extensive characterizations of bacteria isolated from catheterized urine and stone matrices in patients with nephrolithiasis. Nephrology Dialysis Transplantation, 2012, 27, 4125-4130.	0.4	89
29	Roles for Exosome in Various Kidney Diseases and Disorders. Frontiers in Pharmacology, 2019, 10, 1655.	1.6	88
30	Fluoride Exposure Attenuates Expression of Streptococcus pyogenes Virulence Factors. Journal of Biological Chemistry, 2002, 277, 16599-16605.	1.6	87
31	Protective effect of epigallocatechin-3-gallate (EGCG) via Nrf2 pathway against oxalate-induced epithelial mesenchymal transition (EMT) of renal tubular cells. Scientific Reports, 2016, 6, 30233.	1.6	86
32	Alterations in Actin Cytoskeletal Assembly and Junctional Protein Complexes in Human Endothelial Cells Induced by Dengue Virus Infection and Mimicry of Leukocyte Transendothelial Migration. Journal of Proteome Research, 2009, 8, 2551-2562.	1.8	85
33	Exosome-inflammasome crosstalk and their roles in inflammatory responses. Theranostics, 2021, 11, 4436-4451.	4.6	83
34	Proteomics in Nephrology: Current Status and Future Directions. American Journal of Nephrology, 2004, 24, 360-378.	1.4	78
35	Roles of Macrophage Exosomes in Immune Response to Calcium Oxalate Monohydrate Crystals. Frontiers in Immunology, 2018, 9, 316.	2.2	77
36	Systematic evaluation for effects of urine pH on calcium oxalate crystallization, crystal-cell adhesion and internalization into renal tubular cells. Scientific Reports, 2017, 7, 1798.	1.6	76

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37	Vimentin interacts with heterogeneous nuclear ribonucleoproteins and dengue nonstructural protein 1 and is important for viral replication and release. Molecular BioSystems, 2010, 6, 795.	2.9	71
38	Specific adsorption of some complement activation proteins to polysulfone dialysis membranes during hemodialysis. Kidney International, 2009, 76, 404-413.	2.6	69
39	Systematic comparisons of various spectrophotometric and colorimetric methods to measure concentrations of protein, peptide and amino acid: Detectable limits, linear dynamic ranges, interferences, practicality and unit costs. Talanta, 2012, 98, 123-129.	2.9	67
40	Urinary proteomics: towards biomarker discovery, diagnostics and prognostics. Molecular BioSystems, 2008, 4, 810.	2.9	66
41	Proteomic Analysis of Calcium Oxalate Monohydrate Crystal-Induced Cytotoxicity in Distal Renal Tubular Cells. Journal of Proteome Research, 2008, 7, 4689-4700.	1.8	66
42	Proteomic Analysis Reveals Alterations in the Renal Kallikrein Pathway during Hypoxia-Induced Hypertension. Journal of Biological Chemistry, 2002, 277, 34708-34716.	1.6	65
43	Identification of human urinary trefoil factor 1 as a novel calcium oxalate crystal growth inhibitor. Journal of Clinical Investigation, 2005, 115, 3613-3622.	3.9	65
44	Bacteria can promote calcium oxalate crystal growth and aggregation. Journal of Biological Inorganic Chemistry, 2013, 18, 299-308.	1.1	65
45	Differential expression of proteins in renal cortex and medulla: A proteomic approach11See Editorial by Bonventre, p. 1470.. Kidney International, 2002, 62, 1314-1321.	2.6	62
46	Inactivation of Burkholderia pseudomallei bsaQ results in decreased invasion efficiency and delayed escape of bacteria from endocytic vesicles. Archives of Microbiology, 2008, 190, 623-631.	1.0	61
47	Î³-Amino Butyric Acid Type B Receptors Stimulate Neutrophil Chemotaxis during Ischemia-Reperfusion. Journal of Immunology, 2005, 174, 7242-7249.	0.4	58
48	Urinary Trefoil Factor 1 is a Novel Potent Inhibitor of Calcium Oxalate Crystal Growth and Aggregation. Journal of Urology, 2008, 179, 1615-1619.	0.2	58
49	Recent progress in urinary proteomics. Proteomics - Clinical Applications, 2007, 1, 780-791.	0.8	57
50	Changes in Mitochondrial Proteome of Renal Tubular Cells Induced by Calcium Oxalate Monohydrate Crystal Adhesion and Internalization Are Related to Mitochondrial Dysfunction. Journal of Proteome Research, 2012, 11, 3269-3280.	1.8	57
51	Serial Changes in Urinary Proteome Profile of Membranous Nephropathy:Â Implications for Pathophysiology and Biomarker Discovery. Journal of Proteome Research, 2006, 5, 3038-3047.	1.8	56
52	Protective Effects of Epigallocatechin-3-Gallate from Green Tea in Various Kidney Diseases. Advances in Nutrition, 2019, 10, 112-121.	2.9	56
53	Identification of human hnRNP C1/C2 as a dengue virus NS1-interacting protein. Biochemical and Biophysical Research Communications, 2008, 372, 67-72.	1.0	54
54	Exosomes derived from calcium oxalate-exposed macrophages enhance IL-8 production from renal cells, neutrophil migration and crystal invasion through extracellular matrix. Journal of Proteomics, 2018, 185, 64-76.	1.2	54

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55	Bacterial Overgrowth Affects Urinary Proteome Analysis:â€‰ Recommendation for Centrifugation, Temperature, Duration, and the Use of Preservatives during Sample Collection. Journal of Proteome Research, 2007, 6, 4173-4181.	1.8	53
56	Elongation factor Tu on Escherichia coli isolated from urine of kidney stone patients promotes calcium oxalate crystal growth and aggregation. Scientific Reports, 2017, 7, 2953.	1.6	52
57	Proteomic Analysis of Host Responses in HepG2 Cells during Dengue Virus Infection. Journal of Proteome Research, 2007, 6, 4592-4600.	1.8	51
58	p38 MAPK mediates calcium oxalate crystal-induced tight junction disruption in distal renal tubular epithelial cells. Scientific Reports, 2013, 3, 1041.	1.6	51
59	Alterations in cellular proteome and secretome upon differentiation from monocyte to macrophage by treatment with phorbol myristate acetate: Insights into biological processes. Journal of Proteomics, 2010, 73, 602-618.	1.2	50
60	Effects of calcium oxalate monohydrate crystals on expression and function of tight junction of renal tubular epithelial cells. Laboratory Investigation, 2011, 91, 97-105.	1.7	50
61	Proteomic Analysis of Peritoneal Dialysate Fluid in Patients with Different Types of Peritoneal Membranes. Journal of Proteome Research, 2007, 6, 4356-4362.	1.8	49
62	Caffeine prevents kidney stone formation by translocation of apical surface annexin A1 crystal-binding protein into cytoplasm: In vitro evidence. Scientific Reports, 2016, 6, 38536.	1.6	48
63	Are Protease Inhibitors Required for Gel-Based Proteomics of Kidney and Urine?. Journal of Proteome Research, 2009, 8, 3109-3117.	1.8	47
64	Large-scale Identification of Calcium Oxalate Monohydrate Crystal-binding Proteins on Apical Membrane of Distal Renal Tubular Epithelial Cells. Journal of Proteome Research, 2011, 10, 4463-4477.	1.8	47
65	Enamelâ€renalâ€gingival syndrome and FAM20A mutations. American Journal of Medical Genetics, Part A, 2014, 164, 1-9.	0.7	47
66	Proteomic analysis of altered proteins in lymphoid organ of yellow head virus infected Penaeus monodon. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 504-511.	1.1	46
67	Comparative analyses of cell disruption methods for mitochondrial isolation in high-throughput proteomics study. Analytical Biochemistry, 2009, 394, 249-258.	1.1	46
68	Proteomics of Crystalâ€“Cell Interactions: A Model for Kidney Stone Research. Cells, 2019, 8, 1076.	1.8	46
69	Proteomic analysis of renal diseases: unraveling the pathophysiology and biomarker discovery. Expert Review of Proteomics, 2005, 2, 349-366.	1.3	45
70	Macropinocytosis is the Major Mechanism for Endocytosis of Calcium Oxalate Crystals into Renal Tubular Cells. Cell Biochemistry and Biophysics, 2013, 67, 1171-1179.	0.9	45
71	Proteomic Identification of a Large Complement of Rat Urinary Proteins. Nephron Experimental Nephrology, 2003, 95, e69-e78.	2.4	43
72	Altered Proteins in MDCK Renal Tubular Cells in Response to Calcium Oxalate Dihydrate Crystal Adhesion: A Proteomics Approach. Journal of Proteome Research, 2008, 7, 2889-2896.	1.8	43

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73	Sodium loading changes urinary protein excretion: a proteomic analysis. American Journal of Physiology - Renal Physiology, 2003, 284, F1155-F1163.	1.3	42
74	Proteomics analysis of human astrocytes expressing the HIV protein Tat. Molecular Brain Research, 2005, 133, 307-316.	2.5	42
75	Characterizations of urinary sediments precipitated after freezing and their effects on urinary protein and chemical analyses. American Journal of Physiology - Renal Physiology, 2009, 296, F1346-F1354.	1.3	41
76	Ceftriaxone crystallization and its potential role in kidney stone formation. Biochemical and Biophysical Research Communications, 2011, 406, 396-402.	1.0	40
77	Urinary Proteomics and Biomarker Discovery for Glomerular Diseases. , 2003, 141, 292-307.		39
78	Current status of renal and urinary proteomics: ready for routine clinical application?. Nephrology Dialysis Transplantation, 2010, 25, 11-16.	0.4	39
79	Characterizations and proteome analysis of platelet-free plasma-derived microparticles in Î²-thalassemia/hemoglobin E patients. Journal of Proteomics, 2012, 76, 239-250.	1.2	39
80	Protective Effects of Mangosteen Extract on H2O2-Induced Cytotoxicity in SK-N-SH Cells and Scopolamine-Induced Memory Impairment in Mice. PLoS ONE, 2013, 8, e85053.	1.1	39
81	Mitochondrial Dysfunction and Kidney Stone Disease. Frontiers in Physiology, 2020, 11, 566506.	1.3	39
82	Role of HSP60 (HSPD1) in diabetesâ€induced renal tubular dysfunction: regulation of intracellular protein aggregation, ATP production, and oxidative stress. FASEB Journal, 2017, 31, 2157-2167.	0.2	38
83	Protein Network Analysis and Functional Studies of Calcium Oxalate Crystalâ€induced Cytotoxicity in Renal Tubular Epithelial Cells. Proteomics, 2018, 18, e1800008.	1.3	38
84	Urinary Proteome Profiling Using Microfluidic Technology on a Chip. Journal of Proteome Research, 2007, 6, 2011-2018.	1.8	37
85	Protective Effect of Mangosteen Extract against Î²-Amyloid-Induced Cytotoxicity, Oxidative Stress and Altered Proteome in SK-N-SH Cells. Journal of Proteome Research, 2010, 9, 2076-2086.	1.8	37
86	Urinary proteomics revealed prostaglandin H2D-isomerase, not Zn-Î±2-glycoprotein, as a biomarker for active lupus nephritis. Journal of Proteomics, 2012, 75, 3240-3247.	1.2	36
87	Renal magnesium wasting and tubular dysfunction in leptospirosis. Nephrology Dialysis Transplantation, 2007, 23, 952-958.	0.4	35
88	Proteomics and Kidney Stone Disease. , 2008, 160, 142-158.		33
89	C-Terminal Hemocyanin from Hemocytes of Penaeus vannamei Interacts with ERK1/2 and Undergoes Serine Phosphorylation. Journal of Proteome Research, 2009, 8, 2476-2483.	1.8	33
90	Should Urine pH Be Adjusted Prior to Gel-Based Proteome Analysis?. Journal of Proteome Research, 2009, 8, 3206-3211.	1.8	33

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91	Association of Alix with Late Endosomal Lysobisphosphatidic Acid Is Important for Dengue Virus Infection in Human Endothelial Cells. Journal of Proteome Research, 2010, 9, 4640-4648.	1.8	33
92	Proteomic identification of a novel protein regulated in CA1 and CA3 hippocampal regions during intermittent hypoxia. Respiratory Physiology and Neurobiology, 2003, 136, 91-103.	0.7	32
93	Lamin A/C in renal tubular cells is important for tissue repair, cell proliferation, and calcium oxalate crystal adhesion, and is associated with potential crystal receptors. FASEB Journal, 2016, 30, 3368-3377.	0.2	32
94	Peeling as a novel, simple, and effective method for isolation of apical membrane from intact polarized epithelial cells. Analytical Biochemistry, 2009, 395, 25-32.	1.1	31
95	High Calcium Enhances Calcium Oxalate Crystal Binding Capacity of Renal Tubular Cells via Increased Surface Annexin A1 but Impairs Their Proliferation and Healing. Journal of Proteome Research, 2012, 11, 3650-3663.	1.8	31
96	Cellular adaptive response of distal renal tubular cells to high-oxalate environment highlights surface alpha-enolase as the enhancer of calcium oxalate monohydrate crystal adhesion. Journal of Proteomics, 2013, 80, 55-65.	1.2	31
97	Surface heat shock protein 90 serves as a potential receptor for calcium oxalate crystal on apical membrane of renal tubular epithelial cells. Journal of Biological Inorganic Chemistry, 2016, 21, 463-474.	1.1	31
98	Response of renal tubular cells to differential types and doses of calcium oxalate crystals: Integrative proteome network analysis and functional investigations. Proteomics, 2017, 17, 1700192.	1.3	31
99	Flagellum Is Responsible for Promoting Effects of Viable Escherichia coli on Calcium Oxalate Crystallization, Crystal Growth, and Crystal Aggregation. Frontiers in Microbiology, 2019, 10, 2507.	1.5	31
100	Epigallocatechin-3-gallate prevents TGF-Î²1-induced epithelial-mesenchymal transition and fibrotic changes of renal cells via GSK-3Î²/Î²-catenin/Snail1 and Nrf2 pathways. Journal of Nutritional Biochemistry, 2020, 76, 108266.	1.9	31
101	Identification and Characterization of RpoS Regulon and RpoS-Dependent Promoters in Burkholderia pseudomallei. Journal of Proteome Research, 2009, 8, 3118-3131.	1.8	30
102	Microvillar injury in renal tubular epithelial cells induced by calcium oxalate crystal and the protective role of epigallocatechinâ€3â€gallate. FASEB Journal, 2017, 31, 120-131.	0.2	30
103	Caffeine in Kidney Stone Disease: Risk or Benefit?. Advances in Nutrition, 2018, 9, 419-424.	2.9	30
104	ARID1A knockdown triggers epithelialâ€mesenchymal transition and carcinogenesis features of renal cells: role in renal cell carcinoma. FASEB Journal, 2019, 33, 12226-12239.	0.2	30
105	Markedly Increased Urinary Preprohaptoglobin and Haptoglobin in Passive Heymann Nephritis:â€‰ A Differential Proteomics Approach. Journal of Proteome Research, 2007, 6, 3313-3320.	1.8	29
106	Altered Proteome inBurkholderia pseudomalleirpoEOperon Knockout Mutant:Â Insights into Mechanisms ofrpoEOperon in Stress Tolerance, Survival, and Virulence. Journal of Proteome Research, 2007, 6, 1334-1341.	1.8	29
107	Comprehensive Proteome Analysis of Hippocampus, Brainstem, and Spinal Cord from Paralytic and Furious Dogs Naturally Infected with Rabies. Journal of Proteome Research, 2011, 10, 4911-4924.	1.8	29
108	Calcium oxalate crystals increased enolase-1 secretion from renal tubular cells that subsequently enhanced crystal and monocyte invasion through renal interstitium. Scientific Reports, 2016, 6, 24064.	1.6	28

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109	Calcium oxalate monohydrate crystals internalized into renal tubular cells are degraded and dissolved by endolysosomes. Chemico-Biological Interactions, 2016, 246, 30-35.	1.7	28
110	Caffeine inhibits hypoxia-induced renal fibroblast activation by antioxidant mechanism. Cell Adhesion and Migration, 2019, 13, 259-271.	1.1	28
111	Proteomic Identification of Altered Proteins in Skeletal Muscle During Chronic Potassium Depletion:Â Implications for Hypokalemic Myopathy. Journal of Proteome Research, 2006, 5, 3326-3335.	1.8	27
112	Altered plasma proteome during an early phase of peritonitis-induced sepsis. Clinical Science, 2009, 116, 721-730.	1.8	27
113	Study of Diabetic Nephropathy in the Proteomic Era. Contributions To Nephrology, 2011, 170, 172-183.	1.1	27
114	Alpha-tubulin enhanced renal tubular cell proliferation and tissue repair but reduced cell death and cell-crystal adhesion. Scientific Reports, 2016, 6, 28808.	1.6	27
115	Modulatory effects of fibronectin on calcium oxalate crystallization, growth, aggregation, adhesion on renal tubular cells, and invasion through extracellular matrix. Journal of Biological Inorganic Chemistry, 2019, 24, 235-246.	1.1	27
116	Proteomic identification of alterations in metabolic enzymes and signaling proteins in hypokalemic nephropathy. Proteomics, 2006, 6, 2273-2285.	1.3	26
117	Serial analyses of postmortem changes in human skeletal muscle: A case study of alterations in proteome profile, histology, electrolyte contents, water composition, and enzyme activity. Proteomics - Clinical Applications, 2008, 2, 1255-1264.	0.8	26
118	Altered secretome of Burkholderia pseudomallei induced by salt stress. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 898-904.	1.1	26
119	Secreted Products of Macrophages Exposed to Calcium Oxalate Crystals Induce Epithelial Mesenchymal Transition of Renal Tubular Cells via RhoA-Dependent TGF-Î²1 Pathway. Cell Biochemistry and Biophysics, 2013, 67, 1207-1215.	0.9	26
120	What can urinary exosomes tell us?. Cellular and Molecular Life Sciences, 2021, 78, 3265-3283.	2.4	26
121	Proteomic Identification and Immunolocalization of Increased Renal Calbindin-D28k Expression in OVE26 Diabetic Mice. Review of Diabetic Studies, 2005, 2, 19-19.	0.5	26
122	Proteomics in extracorporeal blood purification and peritoneal dialysis. Journal of Proteomics, 2010, 73, 521-526.	1.2	25
123	Cell cycle shift from G0/G1 to S and G2/M phases is responsible for increased adhesion of calcium oxalate crystals on repairing renal tubular cells at injured site. Cell Death Discovery, 2018, 4, 106.	2.0	25
124	Protective Cellular Mechanism of Estrogen Against Kidney Stone Formation: A Proteomics Approach and Functional Validation. Proteomics, 2019, 19, 1900095.	1.3	25
125	Molecular Mechanisms of Epigallocatechin-3-Gallate for Prevention of Chronic Kidney Disease and Renal Fibrosis: Preclinical Evidence. Current Developments in Nutrition, 2019, 3, nzz101.	0.1	25
126	Protective roles of trigonelline against oxalate-induced epithelial-to-mesenchymal transition in renal tubular epithelial cells: An in vitro study. Food and Chemical Toxicology, 2020, 135, 110915.	1.8	25

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127	Better Correction of Metabolic Acidosis, Blood Pressure Control, and Phagocytosis with Bicarbonate Compared to Lactate Solution in Acute Peritoneal Dialysis. Artificial Organs, 2001, 25, 99-108.	1.0	24
128	Proteomics in leptospirosis research: towards molecular diagnostics and vaccine development. Expert Review of Molecular Diagnostics, 2008, 8, 53-61.	1.5	24
129	Non-radioactive labelling of calcium oxalate crystals for investigations of crystal-cell interactions and internalization. Analytical Methods, 2010, 2, 1536-1541.	1.3	24
130	Alterations in Macrophage Cellular Proteome Induced by Calcium Oxalate Crystals: The Association of HSP90 and F-Actin Is Important for Phagosome Formation. Journal of Proteome Research, 2013, 12, 3561-3572.	1.8	24
131	In vitro evidence of the promoting effect of testosterone in kidney stone disease: A proteomics approach and functional validation. Journal of Proteomics, 2016, 144, 11-22.	1.2	24
132	Prospects for proteomics in kidney stone disease. Expert Review of Proteomics, 2017, 14, 185-187.	1.3	24
133	Two-Dimensional Gel Electrophoresis: A Fundamental Tool for Expression Proteomics Studies. , 2003, 141, 25-39.		23
134	Genomics, proteomics and integrative â€˜omicsâ€™ in hypertension research. Current Opinion in Nephrology and Hypertension, 2005, 14, 133-139.	1.0	23
135	Proteomic analysis of altered proteins in distal renal tubular cells in response to calcium oxalate monohydrate crystal adhesion: Implications for kidney stone disease. Proteomics - Clinical Applications, 2008, 2, 1099-1109.	0.8	23
136	Chromosome-centric Human Proteome Project: Deciphering Proteins Associated with Glioma and Neurodegenerative Disorders on Chromosome 12. Journal of Proteome Research, 2014, 13, 3178-3190.	1.8	23
137	Caveolae-mediated albumin transcytosis is enhanced in dengue-infected human endothelial cells: A model of vascular leakage in dengue hemorrhagic fever. Scientific Reports, 2016, 6, 31855.	1.6	23
138	Alpha-enolase on apical surface of renal tubular epithelial cells serves as a calcium oxalate crystal receptor. Scientific Reports, 2016, 6, 36103.	1.6	23
139	Defining and Systematic Analyses of Aggregation Indices to Evaluate Degree of Calcium Oxalate Crystal Aggregation. Frontiers in Chemistry, 2017, 5, 113.	1.8	23
140	Characterizations of PMCA2-interacting complex and its role as a calcium oxalate crystal-binding protein. Cellular and Molecular Life Sciences, 2018, 75, 1461-1482.	2.4	23
141	TherpoEoperon regulates heat stress response inBurkholderia pseudomallei. FEMS Microbiology Letters, 2008, 284, 191-196.	0.7	22
142	Differential human urinary lipid profiles using various lipid-extraction protocols: MALDI-TOF and LIFT-TOF/TOF analyses. Scientific Reports, 2016, 6, 33756.	1.6	22
143	EGCG decreases binding of calcium oxalate monohydrate crystals onto renal tubular cells via decreased surface expression of alpha-enolase. Journal of Biological Inorganic Chemistry, 2016, 21, 339-346.	1.1	22
144	Differential colony size, cell length, and cellular proteome of Escherichia coli isolated from urine vs. stone nidus of kidney stone patients. Clinica Chimica Acta, 2017, 466, 112-119.	0.5	22

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145	Overview of Proteomics. , 2003, 141, 1-10.		21
146	Genome-wide Proteomics, Chromosome-centric Human Proteome Project (C-HPP), Part II. Journal of Proteome Research, 2014, 13, 1-4.	1.8	21
147	Protective effects of finasteride against testosterone-induced calcium oxalate crystallization and crystal-cell adhesion. Journal of Biological Inorganic Chemistry, 2019, 24, 973-983.	1.1	21
148	Exosome-Derived Mediators as Potential Biomarkers for Cardiovascular Diseases: A Network Approach. Proteomes, 2021, 9, 8.	1.7	21
149	Biomarker discovery in glomerular diseases using urinary proteomics. Proteomics - Clinical Applications, 2008, 2, 1413-1421.	0.8	20
150	RECENT PROGRESS OF PROTEOMICS IN CRITICAL ILLNESS. Shock, 2009, 31, 545-552.	1.0	20
151	Urine proteomics in kidney and urogenital diseases: Moving towards clinical applications. Proteomics - Clinical Applications, 2011, 5, 256-268.	0.8	20
152	More complete polarization of renal tubular epithelial cells by artificial urine. Cell Death Discovery, 2018, 4, 47.	2.0	20
153	Analysis of differential proteomes in pathogenic and nonâ€pathogenic Leptospira: Potential pathogenic and virulence factors. Proteomics, 2009, 9, 3522-3534.	1.3	19
154	Differential proteomics of lesional vs. non-lesional biopsies revealed non-immune mechanisms of alopecia areata. Scientific Reports, 2018, 8, 521.	1.6	19
155	Proteomics in Psoriasis. International Journal of Molecular Sciences, 2019, 20, 1141.	1.8	19
156	High glucose induces phosphorylation and oxidation of mitochondrial proteins in renal tubular cells: A proteomics approach. Scientific Reports, 2020, 10, 5843.	1.6	19
157	A novel assay to evaluate promoting effects of proteins on calcium oxalate crystal invasion through extracellular matrix based on plasminogen/plasmin activity. Talanta, 2012, 101, 240-245.	2.9	18
158	Differential bound proteins and adhesive capabilities of calcium oxalate monohydrate crystals with various sizes. International Journal of Biological Macromolecules, 2020, 163, 2210-2223.	3.6	18
159	Effects of secretome derived from macrophages exposed to calcium oxalate crystals on renal fibroblast activation. Communications Biology, 2021, 4, 959.	2.0	18
160	Systematic analysis of modulating activities of native human urinary Tamm-Horsfall protein on calcium oxalate crystallization, growth, aggregation, crystal-cell adhesion and invasion through extracellular matrix. Chemico-Biological Interactions, 2022, 357, 109879.	1.7	18
161	Protein kinase C-dependent phosphorylation and mitochondrial translocation of aldose reductase. FEBS Letters, 2003, 534, 175-179.	1.3	17
162	Application of immunoproteomics to leptospirosis: towards clinical diagnostics and vaccine discovery. Proteomics - Clinical Applications, 2007, 1, 400-409.	0.8	17

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163	Proteome Changes in Human Monocytes upon Interaction with Calcium Oxalate Monohydrate Crystals. Journal of Proteome Research, 2010, 9, 3980-3988.	1.8	17
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