Elaine M Worcester

List of Publications by Year
in descending order

70 papers	3,933 citations	126907 33 h-index	118850 62 g-index
71 all docs	71 docs citations	71 times ranked	2396 citing authors

#	Article	IF	Citations
1	Kidney stone disease. Journal of Clinical Investigation, 2005, 115, 2598-2608.	8.2	603
2	Calcium Kidney Stones. New England Journal of Medicine, 2010, 363, 954-963.	27.0	319
3	Clinical implications of abundant calcium phosphatein routinely analyzed kidney stones. Kidney International, 2004, 66, 777-785.	5.2	186
4	Three pathways for human kidney stone formation. Urological Research, 2010, 38, 147-160.	1.5	174
5	Mechanism of Formation of Human Calcium Oxalate Renal Stones on Randall's Plaque. Anatomical Record, 2007, 290, 1315-1323.	1.4	163
6	Crystal-associated nephropathy in patients with brushite nephrolithiasis. Kidney International, 2005, 67, 576-591.	5.2	154
7	Nephrolithiasis. Primary Care - Clinics in Office Practice, 2008, 35, 369-391.	1.6	152
8	Idiopathic hypercalciuria and formation of calcium renal stones. Nature Reviews Nephrology, 2016, 12, 519-533.	9.6	145
9	New Insights Into the Pathogenesis of Idiopathic Hypercalciuria. Seminars in Nephrology, 2008, 28, 120-132.	1.6	138
10	Mechanisms of human kidney stone formation. Urolithiasis, 2015, 43, 19-32.	2.0	135
11	Stones from bowel disease. Endocrinology and Metabolism Clinics of North America, 2002, 31, 979-999.	3.2	133
12	Renal Function in Patients With Nephrolithiasis. Journal of Urology, 2006, 176, 600-603.	0.4	101
13	Causes and consequences of kidney loss in patients with nephrolithiasis. Kidney International, 2003, 64, 2204-2213.	5.2	89
14	Endoscopic Evidence of Calculus Attachment to Randallâ€™s Plaque. Journal of Urology, 2006, 175, 1720-1724.	0.4	84
15	Evidence that postprandial reduction of renal calcium reabsorption mediates hypercalciuria of patients with calcium nephrolithiasis. American Journal of Physiology - Renal Physiology, 2007, 292, F66-F75.	2.7	71
16	Plaque and deposits in nine human stone diseases. Urological Research, 2010, 38, 239-247.	1.5	71
17	Renal histopathology and crystal deposits in patients with small bowel resection and calcium oxalate stone disease. Kidney International, 2010, 78, 310-317.	5.2	67
18	Evidence for increased postprandial distal nephron calcium delivery in hypercalciuric stone-forming patients. American Journal of Physiology - Renal Physiology, 2008, 295, F1286-F1294.	2.7	66

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19	Histopathology and surgical anatomy of patients with primary hyperparathyroidism and calcium phosphate stones. Kidney International, 2008, 74, 223-229.	5.2	65
20	Pathophysiology and Treatment of Enteric Hyperoxaluria. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 487-495.	4.5	63
21	Urine pH in renal calcium stone formers who do and do not increase stone phosphate content with time. Nephrology Dialysis Transplantation, 2008, 24, 130-136.	0.7	59
22	Pathophysiology-Based Treatment of Idiopathic Calcium Kidney Stones. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2083-2092.	4.5	57
23	Clinical and laboratory characteristics of calcium stoneâ€formers with and without primary hyperparathyroidism. BJU International, 2009, 103, 670-678.	2.5	54
24	Reduced renal function and benefits of treatment in cystinuria vs other forms of nephrolithiasis. BJU International, 2006, 97, 1285-1290.	2.5	50
25	Mechanism for higher urine pH in normal women compared with men. American Journal of Physiology - Renal Physiology, 2018, 314, F623-F629.	2.7	49
26	Contrasting Histopathology and Crystal Deposits in Kidneys of Idiopathic Stone Formers Who Produce Hydroxy Apatite, Brushite, or Calcium Oxalate Stones. Anatomical Record, 2014, 297, 731-748.	1.4	47
27	Renal Intratubular Crystals and Hyaluronan Staining Occur in Stone Formers with Bypass Surgery but not with Idiopathic Calcium Oxalate Stones. Anatomical Record, 2008, 291, 325-334.	1.4	44
28	Role of proximal tubule in the hypocalciuric response to thiazide of patients with idiopathic hypercalciuria. American Journal of Physiology - Renal Physiology, 2013, 305, F592-F599.	2.7	42
29	Do kidney stone formers have a kidney disease?. Kidney International, 2015, 88, 1240-1249.	5.2	41
30	Intra-tubular deposits, urine and stone composition are divergent in patients with ileostomy. Kidney International, 2009, 76, 1081-1088.	5.2	39
31	A test of the hypothesis that the collecting duct calcium-sensing receptor limits rise of urine calcium molarity in hypercalciuric calcium kidney stone formers. American Journal of Physiology - Renal Physiology, 2009, 297, F1017-F1023.	2.7	37
32	A test of the hypothesis that oxalate secretion produces proximal tubule crystallization in primary hyperoxaluria type I. American Journal of Physiology - Renal Physiology, 2013, 305, F1574-F1584.	2.7	37
33	Evidence for net renal tubule oxalate secretion in patients with calcium kidney stones. American Journal of Physiology - Renal Physiology, 2011, 300, F311-F318.	2.7	36
34	Current recommended 25-hydroxyvitamin D targets for chronic kidney disease management may be too low. Journal of Nephrology, 2016, 29, 63-70.	2.0	33
35	Randallâ€™s plaque in stone formers originates in ascending thin limbs. American Journal of Physiology - Renal Physiology, 2018, 315, F1236-F1242.	2.7	29
36	Label-free proteomic methodology for the analysis of human kidney stone matrix composition. Proteome Science, 2016, 14, 4.	1.7	26

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37	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
38	What can the microstructure of stones tell us?. Urolithiasis, 2017, 45, 19-25.	2.0	20
39	A Precision Medicine Approach Uncovers a Unique Signature of Neutrophils in Patients With Brushite Kidney Stones. Kidney International Reports, 2020, 5, 663-677.	0.8	19
40	Papillary Ductal Plugging is a Mechanism for Early Stone Retention in Brushite Stone Disease. Journal of Urology, 2018, 199, 186-192.	0.4	18
41	Mechanisms for falling urine pH with age in stone formers. American Journal of Physiology - Renal Physiology, 2019, 317, F65-F72.	2.7	18
42	Evidence for increased renal tubule and parathyroid gland sensitivity to serum calcium in human idiopathic hypercalciuria. American Journal of Physiology - Renal Physiology, 2013, 305, F853-F860.	2.7	16
43	Sex differences in proximal and distal nephron function contribute to the mechanism of idiopathic hypercalcuria in calcium stone formers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R85-R92.	1.8	15
44	Multimodal imaging reveals a unique autofluorescence signature of Randallâ€™s plaque. Urolithiasis, 2021, 49, 123-135.	2.0	15
45	Mechanism by which shock wave lithotripsy can promote formation of human calcium phosphate stones. American Journal of Physiology - Renal Physiology, 2015, 308, F938-F949.	2.7	14
46	Racial Differences in Risk Factors for Kidney Stone Formation. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 1166-1173.	4.5	14
47	Calcium supplementation in chronic kidney disease. Expert Opinion on Drug Safety, 2014, 13, 1175-1185.	2.4	12
48	A new animal model of hyperoxaluria and nephrolithiasis in rats with small bowel resection. Urological Research, 2005, 33, 380-382.	1.5	9
49	Evidence for altered renal tubule function in idiopathic calcium stone formers. Urological Research, 2010, 38, 263-269.	1.5	9
50	Nephrocalcinosis in Calcium Stone Formers Who Do Not have Systemic Disease. Journal of Urology, 2015, 194, 1308-1312.	0.4	9
51	Endoscopic Evidence That Randall's Plaque is Associated with Surface Erosion of the Renal Papilla. Journal of Endourology, 2017, 31, 85-90.	2.1	8
52	Pathophysiological correlates of two unique renal tubule lesions in rats with intestinal resection. American Journal of Physiology - Renal Physiology, 2006, 291, F1061-F1069.	2.7	6
53	Association Between Randall's Plaque Stone Anchors and Renal Papillary Pits. Journal of Endourology, 2019, 33, 337-342.	2.1	6
54	Evidence for disordered acid-base handling in calcium stone-forming patients. American Journal of Physiology - Renal Physiology, 2020, 318, F363-F374.	2.7	6

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55	Pathogenesis and Treatment of Nephrolithiasis. , 2013, , 2311-2349.		5
56	Pathophysiology of Kidney Stone Formation. , 2019, , 21-42.		5
57	Demineralization and sectioning of human kidney stones: A molecular investigation revealing the spatial heterogeneity of the stone matrix. Physiological Reports, 2021, 9, e14658.	1.7	5
58	Evidence for abnormal linkage between urine oxalate and citrate excretion in human kidney stone formers. Physiological Reports, 2021, 9, e14943.	1.7	4
59	Risk Factors for Kidney Stone Formation following Bariatric Surgery. Kidney360, 2020, 1, 1456-1461.	2.1	4
60	Primary hyperoxaluria: the adult nephrologist's point of view. CKJ: Clinical Kidney Journal, 2022, 15, i29-i32.	2.9	3
61	Evidence for a role of PDZ domain-containing proteins to mediate hypophosphatemia in calcium stone formers. Nephrology Dialysis Transplantation, 2018, 33, 759-770.	0.7	2
62	Discrepancy Between Stone and Tissue Mineral Type in Patients with Idiopathic Uric Acid Stones. Journal of Endourology, 2020, 34, 385-393.	2.1	2
63	In Vivo Renal Tubule pH in Stone-Forming Human Kidneys. Journal of Endourology, 2020, 34, 203-208.	2.1	2
64	Relative contributions of urine sulfate, titratable urine anion, and GI anion to net acid load and effects of age. Physiological Reports, 2021, 9, e14870.	1.7	2
65	Collagen fibrils and cell nuclei are entrapped within Randall's plaques but not in <scp>CaOx</scp> matrix overgrowth: A microscopic inquiry into Randall's plaque stone pathogenesis. Anatomical Record, 2022, 305, 1701-1711.	1.4	2
66	Evaluation and management of nephrolithiasis in the aging population with chronic kidney disease. Aging Health, 2011, 7, 423-433.	0.3	1
67	2254 THE MAJORITY OF CALCIUM PHOSPHATE STONE FORMERS WITHOUT SYSTEMIC DISEASE HAVE NEPHROCALCINOSIS. Journal of Urology, 2013, 189, .	0.4	1
68	Increased Urinary Leukocyte Esterase Distinguishes Patients With Brushite Kidney Stones. Kidney International Reports, 2021, 6, 1729-1731.	0.8	1
69	1541: Renal Crystal Depsoits and Histopathology in Patients with Cystine Stones. Journal of Urology, 2006, 175, 498-498.	0.4	1
70	Pathogenesis of Stone Disease. AIP Conference Proceedings, 2008, , .	0.4	0