

Atsushi Okada

List of Publications by Year in descending order

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102
papers

2,317
citations

220214

26
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43
g-index

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all docs

102
docs citations

102
times ranked

2134
citing authors

#	ARTICLE	IF	CITATIONS
1	PREVENTIVE EFFECTS OF GREEN TEA ON RENAL STONE FORMATION AND THE ROLE OF OXIDATIVE STRESS IN NEPHROLITHIASIS. <i>Journal of Urology</i> , 2005, 173, 271-275.	0.4	139
2	Endoscopic Combined Intrarenal Surgery for Large Calculi: Simultaneous Use of Flexible Ureteroscopy and Mini-Percutaneous Nephrolithotomy Overcomes the Disadvantageous of Percutaneous Nephrolithotomy Monotherapy. <i>Journal of Endourology</i> , 2014, 28, 28-33.	2.2	107
3	Successful formation of calcium oxalate crystal deposition in mouse kidney by intraabdominal glyoxylate injection. <i>Urological Research</i> , 2007, 35, 89-99.	1.5	87
4	Genome-Wide Gene Expression Profiling of Randall's Plaques in Calcium Oxalate Stone Formers. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 333-347.	0.5	81
5	Genome-Wide Analysis of Genes Related to Kidney Stone Formation and Elimination in the Calcium Oxalate Nephrolithiasis Model Mouse: Detection of Stone-Preventive Factors and Involvement of Macrophage Activity. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 908-924.	2.8	79
6	Renal macrophage migration and crystal phagocytosis via inflammatory-related gene expression during kidney stone formation and elimination in mice: Detection by association analysis of stone-related gene expression and microstructural observation. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2701-2711.	2.8	79
7	The mechanism of renal stone formation and renal failure induced by administration of melamine and cyanuric acid. <i>Urological Research</i> , 2010, 38, 117-125.	1.5	78
8	M1/M2-macrophage phenotypes regulate renal calcium oxalate crystal development. <i>Scientific Reports</i> , 2016, 6, 35167.	3.4	71
9	Pathophysiology-based treatment of urolithiasis. <i>International Journal of Urology</i> , 2017, 24, 32-38.	1.1	63
10	Colony-Stimulating Factor-1 Signaling Suppresses Renal Crystal Formation. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 1680-1697.	0.5	60
11	Renal tubular epithelial cell injury and oxidative stress induce calcium oxalate crystal formation in mouse kidney. <i>International Journal of Urology</i> , 2010, 17, 83-92.	1.1	59
12	Morphological Conversion of Calcium Oxalate Crystals Into Stones Is Regulated by Osteopontin in Mouse Kidney. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1629-1637.	2.8	54
13	Efficacy of Endoscopic Combined Intrarenal Surgery in the Prone Split-Leg Position for Staghorn Calculi. <i>Journal of Endourology</i> , 2015, 29, 19-24.	2.2	49
14	Biomolecular mechanism of urinary stone formation involving osteopontin. <i>Urological Research</i> , 2012, 40, 623-637.	1.5	46
15	Mitochondrial permeability transition pore opening induces the initial process of renal calcium crystallization. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1207-1217.	2.9	46
16	Proinflammatory and Metabolic Changes Facilitate Renal Crystal Deposition in an Obese Mouse Model of Metabolic Syndrome. <i>Journal of Urology</i> , 2015, 194, 1787-1796.	0.4	46
17	Efficacy of selective α_1A adrenoceptor antagonist silodosin in the medical expulsive therapy for ureteral stones. <i>International Journal of Urology</i> , 2011, 18, 672-674.	1.1	44
18	Developments in the Technique of Endoscopic Combined Intrarenal Surgery in the Prone Split-leg Position. <i>Urology</i> , 2014, 84, 565-570.	1.1	44

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19	Effect of Adiponectin on Kidney Crystal Formation in Metabolic Syndrome Model Mice via Inhibition of Inflammation and Apoptosis. <i>PLoS ONE</i> , 2013, 8, e61343.	2.5	39
20	Examination of the anti-oxidative effect in renal tubular cells and apoptosis by oxidative stress. <i>Urological Research</i> , 2005, 33, 261-266.	1.5	36
21	Role of osteopontin in early phase of renal crystal formation: immunohistochemical and microstructural comparisons with osteopontin knock-out mice. <i>Urological Research</i> , 2012, 40, 121-129.	1.5	34
22	Kidney Stone Formation is Positively Associated with Conventional Risk Factors for Coronary Heart Disease in Japanese Men. <i>Journal of Urology</i> , 2013, 189, 1340-1346.	0.4	34
23	Impact of insulin resistance, insulin and adiponectin on kidney stones in the Japanese population. <i>International Journal of Urology</i> , 2011, 18, 131-138.	1.1	33
24	Pioglitazone, a Peroxisome Proliferator Activated Receptor β Agonist, Decreases Renal Crystal Deposition, Oxidative Stress and Inflammation in Hyperoxaluric Rats. <i>Journal of Urology</i> , 2012, 188, 1002-1011.	0.4	31
25	Deregulated MTOR (mechanistic target of rapamycin kinase) is responsible for autophagy defects exacerbating kidney stone development. <i>Autophagy</i> , 2020, 16, 709-723.	9.3	31
26	A Paracrine Mechanism Involving Renal Tubular Cells, Adipocytes and Macrophages Promotes Kidney Stone Formation in a Simulated Metabolic Syndrome Environment. <i>Journal of Urology</i> , 2014, 191, 1906-1912.	0.4	30
27	A POLYMORPHISM OF THE OSTEOPONTIN GENE IS RELATED TO URINARY CALCIUM STONES. <i>Journal of Urology</i> , 2005, 174, 1472-1476.	0.4	28
28	Glyoxylate induces renal tubular cell injury and microstructural changes in experimental mouse. <i>Urological Research</i> , 2008, 36, 139-147.	1.5	27
29	Macrophage Function in Calcium Oxalate Kidney Stone Formation: A Systematic Review of Literature. <i>Frontiers in Immunology</i> , 2021, 12, 673690.	4.9	27
30	Risk of renal stone formation induced by long-term bed rest could be decreased by premedication with bisphosphonate and increased by resistive exercise. <i>International Journal of Urology</i> , 2008, 15, 630-635.	1.1	26
31	Identification of Promoter Regions Involved in Cell- and Developmental Stage-Specific Osteopontin Expression in Bone, Kidney, Placenta, and Mammary Gland: An Analysis of Transgenic Mice. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 78-88.	2.8	24
32	Alendronate inhibits urinary calcium microlith formation in a three-dimensional culture model. <i>Urological Research</i> , 2004, 32, 223-8.	1.5	24
33	Simple Method of Preventing Postoperative Inguinal Hernia After Radical Retropubic Prostatectomy. <i>Urology</i> , 2010, 76, 1083-1087.	1.1	24
34	A replication study for three nephrolithiasis loci at 5q35.3, 7p14.3 and 13q14.1 in the Japanese population. <i>Journal of Human Genetics</i> , 2013, 58, 588-593.	2.4	24
35	Effects of impaired functional domains of osteopontin on renal crystal formation: Analyses of <i>OPN</i> transgenic and <i>OPN</i> knockout mice. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2712-2723.	2.8	23
36	Aortic calcification in urolithiasis patients. <i>Scandinavian Journal of Urology and Nephrology</i> , 2007, 41, 419-421.	1.4	22

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37	Administration of the selective alpha 1A-adrenoceptor antagonist silodosin facilitates expulsion of size 5â€“10Âmm distal ureteral stones, as compared to control. <i>International Urology and Nephrology</i> , 2013, 45, 675-678.	1.4	22
38	NFâ€“Î² activation in renal tubular epithelial cells by oxalate stimulation. <i>International Journal of Urology</i> , 2008, 15, 924-928.	1.1	19
39	Impact of prostate weight on perioperative outcomes of robot-assisted laparoscopic prostatectomy with a posterior approach to the seminal vesicle. <i>BMC Urology</i> , 2014, 14, 6.	1.4	19
40	Kidney stone formers have more renal parenchymal crystals than non-stone formers, particularly in the papilla region. <i>BMC Urology</i> , 2018, 18, 19.	1.4	19
41	Fatty acidâ€“binding protein 4 downregulation drives calcification in the development of kidney stone disease. <i>Kidney International</i> , 2020, 97, 1042-1056.	5.3	19
42	Prevalence and Epidemiologic Characteristics of Lower Urinary Tract Stones in Japan. <i>Urology</i> , 2008, 72, 1001-1005.	1.1	18
43	Novel effect of the inhibitor of mitochondrial cyclophilinâ€“D activation, methylâ€“isoleucine cyclosporin, on renal calcium crystallization. <i>International Journal of Urology</i> , 2014, 21, 707-713.	1.1	18
44	Matrix Gla Protein Expression in NRK-52E Cells Exposed to Oxalate and Calcium Oxalate Monohydrate Crystals. <i>Urologia Internationalis</i> , 2010, 85, 237-241.	1.3	16
45	The association between the incidence of urolithiasis and nutrition based on Japanese National Health and Nutrition Surveys. <i>Urolithiasis</i> , 2013, 41, 217-224.	2.1	16
46	Efficacy of retroperitoneal laparoscopic ureterolithotomy for the treatment of large proximal ureteric stones and its impact on renal function. <i>SpringerPlus</i> , 2013, 2, 600.	1.2	16
47	Characterization of <i>Streptococcus</i> <i>Â</i> pyogenes Isolated from Balanoposthitis Patients Presumably Transmitted by Penile-Oral Sexual Intercourse. <i>Current Microbiology</i> , 2010, 61, 101-105.	2.2	15
48	Long-term follow-up of nephrotoxicity in rats administered both melamine and cyanuric acid. <i>BMC Research Notes</i> , 2014, 7, 87.	1.4	15
49	Gemcitabine and docetaxel, an effective second-line chemotherapy for lung metastasis of urothelial carcinoma. <i>International Journal of Clinical Oncology</i> , 2014, 19, 516-522.	2.3	15
50	Pitfalls of robotâ€“assisted radical prostatectomy: A comparison of positive surgical margins between robotic and laparoscopic surgery. <i>International Journal of Urology</i> , 2014, 21, 976-979.	1.1	15
51	A New Navigation System of Renal Puncture for Endoscopic Combined Intrarenal Surgery: Real-time Virtual Sonography-guided Renal Access. <i>Urology</i> , 2017, 109, 44-50.	1.1	15
52	Crucial role of the cryptic epitope SLAYGLR within osteopontin in renal crystal formation of mice. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2967-2977.	2.8	14
53	New steps of robot-assisted radical prostatectomy using the extraperitoneal approach: a propensity-score matched comparison between extraperitoneal and transperitoneal approach in Japanese patients. <i>BMC Urology</i> , 2017, 17, 106.	1.4	13
54	Genetic differences in C57BL/6 mouse substrains affect kidney crystal deposition. <i>Urolithiasis</i> , 2018, 46, 515-522.	2.1	13

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55	Comparison of the safety and efficacy between the prone split-leg and Galdakao-modified supine Valdivia positions during endoscopic combined intrarenal surgery: A multi-institutional analysis. <i>International Journal of Urology</i> , 2021, 28, 1129-1135.	1.1	13
56	Oxygen nano-bubble water reduces calcium oxalate deposits and tubular cell injury in ethylene glycol-treated rat kidney. <i>Urolithiasis</i> , 2013, 41, 279-294.	2.1	12
57	Increased crystal-cell interaction in vitro under co-culture of renal tubular cells and adipocytes by in vitro co-culture paracrine systems simulating metabolic syndrome. <i>Urolithiasis</i> , 2014, 42, 17-28.	2.1	12
58	Identification of new urinary risk markers for urinary stones using a logistic model and multinomial logit model. <i>Clinical and Experimental Nephrology</i> , 2019, 23, 710-716.	1.7	12
59	Alendronate Reduces the Excretion of Risk Factors for Calcium Phosphate Stone Formation in Postmenopausal Women with Osteoporosis. <i>Urologia Internationalis</i> , 2009, 83, 226-229.	1.3	11
60	Impact of official technical training for urologists on the efficacy of shock wave lithotripsy. <i>Urolithiasis</i> , 2013, 41, 487-492.	2.1	11
61	Evaluation of side effects of radiofrequency capacitive hyperthermia with magnetite on the blood vessel walls of tumor metastatic lesion surrounding the abdominal large vessels: an agar phantom study. <i>Vascular Cell</i> , 2014, 6, 15.	0.2	11
62	First case report of staghorn calculi successfully removed by mini-endoscopic combined intrarenal surgery in a 2-year-old boy. <i>International Journal of Urology</i> , 2015, 22, 978-980.	1.1	11
63	Bacillus Calmette-Guerin therapy after the second transurethral resection significantly decreases recurrence in patients with new onset high-grade T1 bladder cancer. <i>BMC Urology</i> , 2016, 16, 8.	1.4	11
64	Robot-Assisted Fluoroscopy Versus Ultrasound-Guided Renal Access for Nephrolithotomy: A Phantom Model Benchtop Study. <i>Journal of Endourology</i> , 2019, 33, 987-994.	2.2	11
65	Laparoscopic Versus Open Radical Cystectomy for Patients Older than 75 Years: a Single-Center Comparative Analysis. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 6353-6358.	1.2	11
66	Congenital urethrocutaneous fistula. <i>International Journal of Urology</i> , 2000, 7, 343-344.	1.1	10
67	Differential Roles of Peroxisome Proliferator-Activated Receptor- α and Receptor- γ on Renal Crystal Formation in Hyperoxaluric Rodents. <i>PPAR Research</i> , 2016, 2016, 1-11.	2.4	10
68	Pure Lymphoepithelioma-Like Carcinoma Originating from the Urinary Bladder. <i>Case Reports in Oncology</i> , 2016, 9, 188-194.	0.7	10
69	Ureterscopy-assisted puncture for ultrasonography-guided renal access significantly improves overall treatment outcomes in endoscopic combined intrarenal surgery. <i>International Journal of Urology</i> , 2021, 28, 913-919.	1.1	8
70	Embryonal rhabdomyosarcoma of the prostate. <i>International Journal of Clinical Oncology</i> , 2010, 15, 93-96.	2.3	7
71	Laparoendoscopic Single-Site Partial Nephrectomy Without Hilar Clamping Using a Microwave Tissue Coagulator. <i>Journal of Endourology</i> , 2014, 28, 184-190.	2.2	7
72	A case of oncocytic papillary renal cell carcinoma. <i>International Journal of Urology</i> , 2009, 16, 765-767.	1.1	6

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73	Nonpalpable testicular pure seminoma with elevated serum alpha-fetoprotein presenting with retroperitoneal metastasis: a case report. <i>Journal of Medical Case Reports</i> , 2016, 10, 114.	0.8	6
74	Potassium–sodium citrate prevents the development of renal microcalculi into symptomatic stones in calcium stone–forming patients. <i>International Journal of Urology</i> , 2017, 24, 75-81.	1.1	6
75	Dual ureteral stent placement after redo laser endoureterotomy to manage persistent ureteral stricture. <i>IJU Case Reports</i> , 2020, 3, 93-95.	0.3	6
76	Active Phagocytosis and Diachronic Processing of Calcium Oxalate Monohydrate Crystals in an in vitro Macrophage Model. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 1014-1025.	2.0	5
77	Multicolor imaging of calcium-binding proteins in human kidney stones for elucidating the effects of proteins on crystal growth. <i>Scientific Reports</i> , 2021, 11, 16841.	3.4	5
78	The role of long-term loading of cholesterol in renal crystal formation. <i>Archivio Italiano Di Urologia Andrologia</i> , 2011, 83, 23-5.	0.9	5
79	Inflammatory Myofibroblastic Tumor of the Urinary Bladder: A Case Report. <i>Case Reports in Oncology</i> , 2016, 9, 464-469.	0.7	4
80	Optimizing RNA Extraction of Renal Papilla Biopsy Tissue in Kidney Stone Formers: A New Methodology for Genomic Study. <i>Journal of Endourology</i> , 2017, 31, 922-929.	2.2	4
81	Brown adipocytes and β ³ -stimulant-induced brown-like adipocytes contribute to the prevention of renal crystal formation. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F1282-F1292.	2.8	4
82	Helper T–cell signaling and inflammatory pathway lead to formation of calcium phosphate but not calcium oxalate stones on Randall's plaques. <i>International Journal of Urology</i> , 2019, 26, 670-677.	1.1	4
83	Effectiveness of ureteroscopy–assisted renal puncture for endoscopic combined intrarenal surgery. <i>International Journal of Urology</i> , 2019, 26, 424-425.	1.1	4
84	Independent and interactive effects of kidney stone formation and conventional risk factors for chronic kidney disease: a follow-up study of Japanese men. <i>International Urology and Nephrology</i> , 2021, 53, 1081-1087.	1.4	4
85	Bisphosphonate Use May Reduce the Risk of Urolithiasis in Astronauts on Long–Term Spaceflights. <i>JBMR Plus</i> , 2022, 6, e10550.	2.8	4
86	Hemothorax during miniaturized endoscopic combined intrarenal surgery under ureteroscopy–assisted ultrasound–guided access. <i>IJU Case Reports</i> , 2019, 2, 257-260.	0.3	3
87	Low bone mineral density is a potential risk factor for symptom onset and related with hypocitraturia in urolithiasis patients: a single-center retrospective cohort study. <i>BMC Urology</i> , 2020, 20, 174.	1.4	3
88	Clear Cell Sarcoma of the Kidney: A Case Report of an 11-year-old Boy and A Review of 11 Cases in Japan. <i>Journal of Rural Medicine: JRM</i> , 2008, 3, 19-22.	0.5	3
89	Combination therapy with radiation and hyperthermia–induced clinical complete response of small cell carcinoma of prostate. <i>IJU Case Reports</i> , 2022, 5, 113-116.	0.3	3
90	Transurethral marking incision of the bladder neck: a helpful technique in robot-assisted laparoscopic radical prostatectomy involving post-transurethral resection of the prostate and cancers protruding into the bladder neck. <i>BMC Urology</i> , 2013, 13, 40.	1.4	2

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91	A Case of Metastatic Urothelial Carcinoma Treated with Pemetrexed as Third-Line Chemotherapy with Discussion and Literature Review. <i>Case Reports in Oncology</i> , 2015, 8, 530-535.	0.7	2
92	Adrenal Neuroblastoma in an Adult: Effect of Radiotherapy on Local Progression after Surgical Removal. <i>Case Reports in Urology</i> , 2016, 2016, 1-4.	0.3	2
93	A Case of Delayed Radiation Myelopathy of the Thoracic Vertebrae Following Low Dose Radiation Therapy for Metastatic Renal Cell Carcinoma. <i>Urology Case Reports</i> , 2017, 11, 66-68.	0.3	2
94	Two-year-old girl with impacted ureteral stone successfully treated with a single session of combined percutaneous nephrostomy and ureteroscopy. <i>International Journal of Urology</i> , 2017, 24, 326-329.	1.1	2
95	Long-term survival of a patient with refractory advanced adrenocortical carcinoma after combination chemotherapy with paclitaxel and carboplatin plus mitotane. <i>IJU Case Reports</i> , 2022, 5, 288-292.	0.3	2
96	Neuroendocrine Carcinoma of the Kidney and Bladder with Loss of Heterozygosity and Changes in Chromosome 3 Copy Number. <i>American Journal of Case Reports</i> , 2015, 16, 611-616.	0.8	1
97	Efficacy of fosfomycin in preventing infection after endoscopic combined intrarenal surgery in periods of limited supply of first- and second-generation cephalosporins. <i>International Journal of Urology</i> , 2022, , .	1.1	1
98	Response to Re: Potassium-sodium citrate prevents the development of renal microcalculi into symptomatic stones in calcium stone-forming patients. <i>International Journal of Urology</i> , 2017, 24, 334-335.	1.1	0
99	Complete surgical removal of multiple tumor lesions in malignant pheochromocytomas produces a good prognosis. <i>IJU Case Reports</i> , 2019, 2, 146-149.	0.3	0
100	Trocar site hernia resulting in intestinal necrosis 48 hours after robot-assisted radical prostatectomy. <i>IJU Case Reports</i> , 2021, 4, 180-183.	0.3	0
101	A novel approach in creating nephrostomy using a double-lumen access sheath during endoscopic combined intrarenal surgery. <i>Translational Andrology and Urology</i> , 2021, 10, 4181-4191.	1.4	0
102	Risk Factors for Failure of Endoscopic Management of Stone-related Ureteral Strictures. <i>Urology Journal</i> , 2021, , 6697.	0.4	0