

Antonia Costa-Bauza

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,561
citations

361296

20
h-index

345118

36
g-index

75
all docs

75
docs citations

75
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Sialolithiasis: mechanism of calculi formation and etiologic factors. <i>Clinica Chimica Acta</i> , 2003, 334, 131-136.	0.5	136
2	Simple classification of renal calculi closely related to their micromorphology and etiology. <i>Clinica Chimica Acta</i> , 2002, 322, 29-36.	0.5	123
3	Absorption and excretion of orally administered inositol hexaphosphate (IP ₆ or phytate) in humans. <i>BioFactors</i> , 2001, 15, 53-61.	2.6	110
4	Renal lithiasis and nutrition. <i>Nutrition Journal</i> , 2006, 5, 23.	1.5	106
5	Phytate acts as an inhibitor in formation of renal calculi. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2580.	3.0	78
6	Type of renal calculi: variation with age and sex. <i>World Journal of Urology</i> , 2007, 25, 415-421.	1.2	68
7	Urine and stone analysis for the investigation of the renal stone former: a consensus conference. <i>Urolithiasis</i> , 2021, 49, 1-16.	1.2	43
8	Theobromine Inhibits Uric Acid Crystallization. A Potential Application in the Treatment of Uric Acid Nephrolithiasis. <i>PLoS ONE</i> , 2014, 9, e111184.	1.1	42
9	Uric acid calculi: types, etiology and mechanisms of formation. <i>Clinica Chimica Acta</i> , 2000, 302, 89-104.	0.5	40
10	Phytate Decreases Formation of Advanced Glycation End-Products in Patients with Type II Diabetes: Randomized Crossover Trial. <i>Scientific Reports</i> , 2018, 8, 9619.	1.6	39
11	Phytotherapy and renal stones: the role of antioxidants. A pilot study in Wistar rats. <i>Urological Research</i> , 2009, 37, 35-40.	1.5	35
12	Effect of phytate on element bioavailability in the second generation of rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2004, 17, 229-234.	1.5	33
13	Anticalculus effect of a triclosan mouthwash containing phytate: a double-blind, randomized, three-period crossover trial. <i>Journal of Periodontal Research</i> , 2009, 44, 616-621.	1.4	33
14	Effect of consuming a grape seed supplement with abundant phenolic compounds on the oxidative status of healthy human volunteers. <i>Nutrition Journal</i> , 2015, 14, 94.	1.5	32
15	Efficacy of Mixtures of Magnesium, Citrate and Phytate as Calcium Oxalate Crystallization Inhibitors in Urine. <i>Journal of Urology</i> , 2015, 194, 812-819.	0.2	32
16	Relationship between Urinary Level of Phytate and Valvular Calcification in an Elderly Population: A Cross-Sectional Study. <i>PLoS ONE</i> , 2015, 10, e0136560.	1.1	26
17	Role of uric acid in different types of calcium oxalate renal calculi. <i>International Journal of Urology</i> , 2006, 13, 252-256.	0.5	24
18	Effects of Polyphenols from Grape Seeds on Renal Lithiasis. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-6.	1.9	23

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19	Key Aspects of Myo-Inositol Hexaphosphate (Phytate) and Pathological Calcifications. <i>Molecules</i> , 2019, 24, 4434.	1.7	23
20	Reduction of ureteral stent encrustation by modulating the urine pH and inhibiting the crystal film with a new oral composition: a multicenter, placebo controlled, double blind, randomized clinical trial. <i>BMC Urology</i> , 2020, 20, 65.	0.6	22
21	Uric acid as inducer of calcium oxalate crystal development. <i>Scandinavian Journal of Urology and Nephrology</i> , 2007, 41, 26-31.	1.4	21
22	HPLC method for urinary theobromine determination: Effect of consumption of cocoa products on theobromine urinary excretion in children. <i>Clinical Biochemistry</i> , 2015, 48, 1138-1143.	0.8	21
23	Phytate inhibits bovine pericardium calcification in vitro. <i>Cardiovascular Pathology</i> , 2008, 17, 139-145.	0.7	20
24	On the origin of calcium oxalate monohydrate papillary renal stones. <i>Urolithiasis</i> , 2015, 43, 33-39.	1.2	20
25	Protective Effect of Myo-Inositol Hexaphosphate (Phytate) on Abdominal Aortic Calcification in Patients With Chronic Kidney Disease. , 2016, 26, 226-236.		20
26	An experimental study on residual lithiasis after shock wave lithotripsy. <i>Urological Research</i> , 2005, 33, 51-56.	1.5	18
27	Quantification of xanthine- and uric acid-related compounds in urine using a C_{18} -silica-based technique coupling ultra-high-performance liquid chromatography and high-resolution Orbitrap mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1067, 53-60.	1.2	17
28	Kinetic versus thermodynamic factors in calcium renal lithiasis. <i>International Urology and Nephrology</i> , 2000, 32, 19-27.	0.6	16
29	Recurrence of renal lithiasis. <i>Scandinavian Journal of Urology and Nephrology</i> , 2003, 37, 482-486.	1.4	16
30	Determination of myo-inositol in biological samples by liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 367-370.	1.2	15
31	Influence of Concomitant Food Intake on the Excretion of Orally Administered myo-Inositol Hexaphosphate in Humans. <i>Journal of Medicinal Food</i> , 2006, 9, 72-76.	0.8	15
32	A new device for simple and accurate urinary pH testing by the Stone-former patient. <i>SpringerPlus</i> , 2014, 3, 209.	1.2	15
33	Effect of Consumption of Cocoa-Derived Products on Uric Acid Crystallization in Urine of Healthy Volunteers. <i>Nutrients</i> , 2018, 10, 1516.	1.7	15
34	Factors affecting the regrowth of renal stones in vitro: A contribution to the understanding of renal stone development. <i>Scandinavian Journal of Urology and Nephrology</i> , 2005, 39, 194-199.	1.4	14
35	Characterization of deposits in patients with calcific tendinopathy of the supraspinatus. Role of phytate and osteopontin. <i>Journal of Orthopaedic Research</i> , 2015, 33, 475-482.	1.2	14
36	Understanding the Protective Effect of Phytate in Bone Decalcification Related-Diseases. <i>Nutrients</i> , 2021, 13, 2859.	1.7	14

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37	Phytate levels and bone parameters A retrospective pilot clinical trial. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 1093-1098.	0.9	13
38	Renal papillary calcification and the development of calcium oxalate monohydrate papillary renal calculi: a case series study. <i>BMC Urology</i> , 2013, 13, 14.	0.6	13
39	Comparison of Two Dietary Supplements for Treatment of Uric Acid Renal Lithiasis: Citrate vs. Citrate + Theobromine. <i>Nutrients</i> , 2020, 12, 2012.	1.7	13
40	Papillary and Nonpapillary Calcium Oxalate Monohydrate Renal Calculi: Comparative Study of Etiologic Factors. <i>Scientific World Journal</i> , The, 2006, 6, 2411-2419.	0.8	12
41	A simple and rapid colorimetric method for determination of phytate in urine. <i>Urological Research</i> , 2012, 40, 663-669.	1.5	12
42	The role of glycoproteins in calcium oxalate crystal development. <i>BJU International</i> , 2004, 94, 177-181.	1.3	11
43	Origin and Types of Calcium Oxalate Monohydrate Papillary Renal Calculi. <i>Urology</i> , 2010, 76, 1339-1345.	0.5	11
44	Urinary lithogenesis risk tests: Comparison of a commercial kit and a laboratory prototype test. <i>Scandinavian Journal of Urology and Nephrology</i> , 2011, 45, 312-318.	1.4	10
45	A Pilot Randomized Crossover Trial Assessing the Safety and Short-Term Effects of Walnut Consumption by Patients with Chronic Kidney Disease. <i>Nutrients</i> , 2020, 12, 63.	1.7	10
46	Urinary Phytate (Myo-Inositol Hexaphosphate) in Healthy School Children and Risk of Nephrolithiasis. , 2014, 24, 219-223.		9
47	Analysis of spontaneously passed urinary tract stones. <i>Urological Research</i> , 2010, 38, 35-39.	1.5	8
48	A potential role for crystallization inhibitors in treatment of Alzheimer's disease. <i>Medical Hypotheses</i> , 2010, 74, 118-119.	0.8	8
49	Synergism between the brushite and hydroxyapatite urinary crystallization inhibitors. <i>International Urology and Nephrology</i> , 2002, 34, 447-451.	0.6	6
50	Non-infectious phosphate renal calculi: Fine structure, chemical and phase composition. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2011, 71, 407-412.	0.6	6
51	Tracheal oxalosis associated with <i>Aspergillus niger</i> tracheobronchitis. <i>European Respiratory Journal</i> , 2013, 41, 995-997.	3.1	6
52	Effect of sample time on urinary lithogenic risk indexes in healthy and stone-forming adults and children. <i>BMC Urology</i> , 2018, 18, 116.	0.6	6
53	Rare calcium oxalate monohydrate calculus attached to the wall of the renal pelvis. <i>International Journal of Urology</i> , 2011, 18, 323-325.	0.5	5
54	Application of nuclear magnetic resonance spectroscopy for identification of ciprofloxacin crystalluria. <i>Clinica Chimica Acta</i> , 2015, 438, 43-45.	0.5	5

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55	Novel Colorimetric Determination of Phytate in Urine. <i>Analytical Letters</i> , 2016, 49, 307-318.	1.0	5
56	2,4-Diamino-N10-methylpteroic acid (DAMPA) crystalluria in a patient with osteosarcoma treated with carboxypeptidase-G2 rescue after high-dose methotrexate-induced nephrotoxicity. <i>Clinica Chimica Acta</i> , 2018, 487, 1-5.	0.5	5
57	Xanthine urolithiasis: Inhibitors of xanthine crystallization. <i>PLoS ONE</i> , 2018, 13, e0198881.	1.1	5
58	A Case of Randall's Plugs Associated to Calcium Oxalate Dihydrate Calculi. <i>Urology Case Reports</i> , 2016, 7, 37-38.	0.1	4
59	Simplified methods for the evaluation of the risk of forming renal stones and the follow-up of stone-forming propensity during the preventive treatment of stone-formation. <i>Urolithiasis</i> , 2016, 44, 77-82.	1.2	4
60	Orbitrap [®] , [†] high-resolution mass spectrometry for the identification of amoxicillin crystalluria. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 268-271.	1.4	4
61	Papillary and Nonpapillary Calcium Oxalate Monohydrate Renal Calculi: Comparative Study of Etiologic Factors. <i>TSW Urology</i> , 2006, 1, 116-124.	0.1	4
62	Factors Associated With the Lower Prevalence of Nephrolithiasis in Children Compared With Adults. <i>Urology</i> , 2015, 86, 587-592.	0.5	2
63	Validation of a novel diagnostic test for assessing the risk of urinary uric acid crystallization. <i>Clinica Chimica Acta</i> , 2021, 519, 187-192.	0.5	2
64	Role of the organic matter in calcium oxalate lithiasis. <i>Frontiers in Bioscience - Landmark</i> , 2005, 10, 1534.	3.0	2
65	Mechanisms of Renal and Salivary Calculi Formation and Development. , 0, , 39-69.		1
66	The influence of consumption of phytate on the bone mass in postmenopausal women of Mallorca. <i>ReumatologÃa ClÃnica (English Edition)</i> , 2011, 7, 220-223.	0.2	1
67	Internalization of Calcium Oxalate Calculi Developed in Narrow Cavities. <i>Urology Case Reports</i> , 2014, 2, 51-53.	0.1	1
68	Effect of theobromine on dissolution of uric acid kidney stones. <i>World Journal of Urology</i> , 2022, 40, 2105-2111.	1.2	1
69	The Relationship between High Fluoride Intake and Nephrolithiasis. <i>Current Urology</i> , 2008, 1, 155-160.	0.4	0
70	Rare non-papillary lithiasis of calcium oxalate monohydrate generated on a central core of potassium urate. <i>Urology Case Reports</i> , 2021, 34, 101483.	0.1	0
71	Mechanism of Randall's Plugs Development. <i>Open Access Journal of Science and Technology</i> , 2017, 5, .	0.2	0