Bidhan C Bandyopadhyay

List of Publications by Year
in descending order

50	2,329	304368	205818
papers	citations	22	48
		h-index	g-index

52	52	52	2316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hypercalciuria switches Ca2+ signaling in proximal tubular cells, induces oxidative damage to promote calcium nephrolithiasis. Genes and Diseases, 2022, 9, 531-548.	1.5	13
2	Enhanced carbonic anhydrase expression with calcification and fibrosis in bronchial cartilage during COPD. Acta Histochemica, 2022, 124, 151834.	0.9	5
3	Novel Mutations in a Lethal Case of Lymphomatous Adult T Cell Lymphoma with Cryptic Myocardial Involvement. Current Oncology, 2021, 28, 818-824.	0.9	4
4	Immunohistochemical localization of carbonic anhydrase IV in the human parotid gland. Biotechnic and Histochemistry, 2021, 96, 565-569.	0.7	2
5	Modulation of Tubular pH by Acetazolamide in a Ca2+ Transport Deficient Mice Facilitates Calcium Nephrolithiasis. International Journal of Molecular Sciences, 2021, 22, 3050.	1.8	10
6	Tannic acid attenuates vascular calcification-induced proximal tubular cells damage through paracrine signaling. Biomedicine and Pharmacotherapy, 2021, 140, 111762.	2.5	4
7	Differential biomolecular recognition by synthetic vs. biologically-derived components in the stone-forming process using 3D microfluidics. Journal of Materials Chemistry B, 2021, 10, 34-46.	2.9	0
8	l-ornithine activates Ca2+ signaling to exert its protective function on human proximal tubular cells. Cellular Signalling, 2020, 67, 109484.	1.7	16
9	Microstructural densification and alignment by aspirationâ€ejection influence cancer cell interactions with threeâ€dimensional collagen networks. Biotechnology and Bioengineering, 2020, 117, 1826-1838.	1.7	7
10	Abrogation of store-operated Ca2+ entry protects against crystal-induced ER stress in human proximal tubular cells. Cell Death Discovery, 2019, 5, 124.	2.0	25
11	Matting Calcium Crystals by Melamine Improves Stabilization and Prevents Dissolution. Crystal Growth and Design, 2019, 19, 6636-6648.	1.4	7
12	Evidence for a regulated Ca2+ entry in proximal tubular cells and its implication in calcium stone formation. Journal of Cell Science, 2019, 132, .	1.2	22
13	Melamine promotes calcium crystal formation in three-dimensional microfluidic device. Scientific Reports, 2019, 9, 875.	1.6	18
14	Confounding risk factors and preventative measures driving nephrolithiasis global makeup. World Journal of Nephrology, 2018, 7, 129-142.	0.8	24
15	Microcalcifications in stone-obstructed human submandibular gland are associated with apoptosis and cell proliferation. Archives of Oral Biology, 2017, 82, 99-108.	0.8	18
16	Melamine induces Ca²⁺-sensing receptor activation and elicits apoptosis in proximal tubular cells. American Journal of Physiology - Cell Physiology, 2017, 313, C27-C41.	2.1	23
17	Intrinsic Photosensitivity Enhances Motility of T Lymphocytes. Scientific Reports, 2016, 6, 39479.	1.6	19
18	Association of serum electrolytes and smoking with salivary gland stone formation. International Journal of Oral and Maxillofacial Surgery, 2016, 45, 764-768.	0.7	14

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19	Vascular Calcification and Stone Disease: A New Look towards the Mechanism. Journal of Cardiovascular Development and Disease, 2015, 2, 141-164.	0.8	29
20	Physiological Function and Characterization of TRPCs in Neurons. Cells, 2014, 3, 455-475.	1.8	29
21	Extracellular Ca2+ Sensing in Salivary Ductal Cells. Journal of Biological Chemistry, 2012, 287, 30305-30316.	1.6	27
22	Engineering of polarized tubular structures in a microfluidic device to study calcium phosphate stone formation. Lab on A Chip, 2012, 12, 4037.	3.1	37
23	Intrinsic Photoreception and Photokinesis in T Lymphocytes. Biophysical Journal, 2011, 100, 308a.	0.2	1
24	Store-operated Ca2+ signaling in dendritic cells occurs independently of STIM1. Journal of Leukocyte Biology, 2010, 89, 57-62.	1.5	56
25	TRPC3 Controls Agonist-stimulated Intracellular Ca2+ Release by Mediating the Interaction between Inositol 1,4,5-Trisphosphate Receptor and RACK1. Journal of Biological Chemistry, 2008, 283, 32821-32830.	1.6	44
26	Low Protein Diet Consumption Antagonize the Age-associated Change in Hypothalamic GABA Receptor activity. Nature Precedings, 2008, , .	0.1	0
27	A role for AQP5 in activation of TRPV4 by hypotonicity: concerted involvement of AQP5 and TRPV4 in regulation of cell volume recovery. VOLUME 281 (2006) PAGES 15485-15495. Journal of Biological Chemistry, 2008, 283, 3688.	1.6	2
28	Attenuation of store-operated Ca ²⁺ current impairs salivary gland fluid secretion in TRPC1(â˜'/â˜") mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17542-17547.	3.3	200
29	Relocalization of STIM1 for Activation of Store-operated Ca2+ Entry Is Determined by the Depletion of Subplasma Membrane Endoplasmic Reticulum Ca2+ Store. Journal of Biological Chemistry, 2007, 282, 12176-12185.	1.6	53
30	Dynamic Assembly of TRPC1-STIM1-Orai1 Ternary Complex Is Involved in Store-operated Calcium Influx. Journal of Biological Chemistry, 2007, 282, 9105-9116.	1.6	358
31	Female mice are more susceptible to developing inflammatory disorders due to impaired transforming growth factor Î² signaling in salivary glands. Arthritis and Rheumatism, 2007, 56, 1798-1805.	6.7	29
32	TRPC1: The link between functionally distinct store-operated calcium channels. Cell Calcium, 2007, 42, 213-223.	1.1	212
33	Dynamic assembly of TRPC1-STIM1-Orai1 ternary complex is involved in store-operated calcium influx.. Journal of Biological Chemistry, 2007, 282, 27556.	1.6	8
34	Functional organization of TRPC-Ca2+ channels and regulation of calcium microdomains. Cell Calcium, 2006, 40, 495-504.	1.1	78
35	Re-engineering Primary Epithelial Cells from Rhesus Monkey Parotid Glands for Use in Developing an Artificial Salivary Gland. Tissue Engineering, 2006, 12, 2939-2948.	4.9	40
36	A Role for AQP5 in Activation of TRPV4 by Hypotonicity. Journal of Biological Chemistry, 2006, 281, 15485-15495.	1.6	221

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37	Molecular Analysis of a Store-operated and 2-Acetyl-sn-glycerol-sensitive Non-selective Cation Channel. Journal of Biological Chemistry, 2005, 280, 21600-21606.	1.6	151
38	Apical Localization of a Functional TRPC3/TRPC6-Ca2+-Signaling Complex in Polarized Epithelial Cells. Journal of Biological Chemistry, 2005, 280, 12908-12916.	1.6	93
39	Primary Culture of Polarized Human Salivary Epithelial Cells for Use in Developing an Artificial Salivary Gland. Tissue Engineering, 2005, 11, 172-181.	4.9	77
40	Variants of TRP ion channel mRNA present in horseshoe crab ventral eye and brain. Journal of Neurochemistry, 2004, 91, 825-835.	2.1	13
41	VAMP2-Dependent Exocytosis Regulates Plasma Membrane Insertion of TRPC3 Channels and Contributes to Agonist-Stimulated Ca2+ Influx. Molecular Cell, 2004, 15, 635-646.	4.5	185
42	Mixed Cocaine Agonist/Antagonist Properties of (+)-Methyl 4Î²-(4-Chlorophenyl)-1-methylpiperidine-3Î±-carboxylate, a Piperidine-Based Analog of Cocaine. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 143-150.	1.3	18
43	Pharmacological and Behavioral Analysis of the Effects of Some Bivalent Ligand-Based Monoamine Reuptake Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 1615-1622.	2.9	29
44	Is Age-induced Decline in Immune Response Associated with Hypothalamic Glutamate Receptor Density and Dietary Protein?. Nutritional Neuroscience, 2001, 4, 375-387.	1.5	6
45	Age-associated hypothalamic glutamate receptor density: effect of dietary protein. Neurochemical Research, 2001, 26, 145-151.	1.6	1
46	Discovery of a Novel Dopamine Transporter Inhibitor, 4-Hydroxy-1-methyl-4-(4-methylphenyl)-3-piperidyl 4-Methylphenyl Ketone, as a Potential Cocaine Antagonist through 3D-Database Pharmacophore Searching. Molecular Modeling, Structureâ^'Activity Relationships, and Behavioral Pharmacological Studies. Journal of Medicinal Chemistry, 2000, 43, 351-360.	2.9	68
47	Dietary protein alters age-induced change in hypothalamic GABA and immune response. Neuroscience, 2000, 97, 405-409.	1.1	7
48	Dietary protein-induced change in mammalian corticosterone status (index of immune response) during aging. Mechanisms of Ageing and Development, 1998, 103, 57-68.	2.2	9
49	Hypothalamic GABA-ergic activity and T-cell proliferation in aged mammal: effect of dietary protein. Neurochemistry International, 1998, 32, 191-196.	1.9	10
50	Is hypothalamic GABA involved in immune function in relation to dietary protein during aging?. Neurochemical Research, 1997, 22, 1135-1144.	1.6	7