

Bidhan C Bandyopadhyay

List of Publications by Year in descending order

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50
papers

2,329
citations

304368

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48
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docs citations

52
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Assembly of TRPC1-STIM1-Orai1 Ternary Complex Is Involved in Store-operated Calcium Influx. <i>Journal of Biological Chemistry</i> , 2007, 282, 9105-9116.	1.6	358
2	A Role for AQP5 in Activation of TRPV4 by Hypotonicity. <i>Journal of Biological Chemistry</i> , 2006, 281, 15485-15495.	1.6	221
3	TRPC1: The link between functionally distinct store-operated calcium channels. <i>Cell Calcium</i> , 2007, 42, 213-223.	1.1	212
4	Attenuation of store-operated Ca ²⁺ current impairs salivary gland fluid secretion in TRPC1(Δ ^{+/+}) mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17542-17547.	3.3	200
5	VAMP2-Dependent Exocytosis Regulates Plasma Membrane Insertion of TRPC3 Channels and Contributes to Agonist-Stimulated Ca ²⁺ Influx. <i>Molecular Cell</i> , 2004, 15, 635-646.	4.5	185
6	Molecular Analysis of a Store-operated and 2-Acetyl-sn-glycerol-sensitive Non-selective Cation Channel. <i>Journal of Biological Chemistry</i> , 2005, 280, 21600-21606.	1.6	151
7	Apical Localization of a Functional TRPC3/TRPC6-Ca ²⁺ -Signaling Complex in Polarized Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 12908-12916.	1.6	93
8	Functional organization of TRPC-Ca ²⁺ channels and regulation of calcium microdomains. <i>Cell Calcium</i> , 2006, 40, 495-504.	1.1	78
9	Primary Culture of Polarized Human Salivary Epithelial Cells for Use in Developing an Artificial Salivary Gland. <i>Tissue Engineering</i> , 2005, 11, 172-181.	4.9	77
10	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. <i>Molecular Modeling, Structure-Activity Relationships, and Behavioral Pharmacological Studies. Journal of Medicinal Chemistry</i> , 2000, 43, 351-360.	2.9	68
11	Store-operated Ca ²⁺ signaling in dendritic cells occurs independently of STIM1. <i>Journal of Leukocyte Biology</i> , 2010, 89, 57-62.	1.5	56
12	Relocalization of STIM1 for Activation of Store-operated Ca ²⁺ Entry Is Determined by the Depletion of Subplasma Membrane Endoplasmic Reticulum Ca ²⁺ Store. <i>Journal of Biological Chemistry</i> , 2007, 282, 12176-12185.	1.6	53
13	TRPC3 Controls Agonist-stimulated Intracellular Ca ²⁺ Release by Mediating the Interaction between Inositol 1,4,5-Trisphosphate Receptor and RACK1. <i>Journal of Biological Chemistry</i> , 2008, 283, 32821-32830.	1.6	44
14	Re-engineering Primary Epithelial Cells from Rhesus Monkey Parotid Glands for Use in Developing an Artificial Salivary Gland. <i>Tissue Engineering</i> , 2006, 12, 2939-2948.	4.9	40
15	Engineering of polarized tubular structures in a microfluidic device to study calcium phosphate stone formation. <i>Lab on A Chip</i> , 2012, 12, 4037.	3.1	37
16	Pharmacological and Behavioral Analysis of the Effects of Some Bivalent Ligand-Based Monoamine Reuptake Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 1615-1622.	2.9	29
17	Female mice are more susceptible to developing inflammatory disorders due to impaired transforming growth factor β^2 signaling in salivary glands. <i>Arthritis and Rheumatism</i> , 2007, 56, 1798-1805.	6.7	29
18	Physiological Function and Characterization of TRPCs in Neurons. <i>Cells</i> , 2014, 3, 455-475.	1.8	29

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19	Vascular Calcification and Stone Disease: A New Look towards the Mechanism. <i>Journal of Cardiovascular Development and Disease</i> , 2015, 2, 141-164.	0.8	29
20	Extracellular Ca ²⁺ Sensing in Salivary Ductal Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 30305-30316.	1.6	27
21	Abrogation of store-operated Ca ²⁺ entry protects against crystal-induced ER stress in human proximal tubular cells. <i>Cell Death Discovery</i> , 2019, 5, 124.	2.0	25
22	Confounding risk factors and preventative measures driving nephrolithiasis global makeup. <i>World Journal of Nephrology</i> , 2018, 7, 129-142.	0.8	24
23	Melamine induces Ca ²⁺ -sensing receptor activation and elicits apoptosis in proximal tubular cells. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 313, C27-C41.	2.1	23
24	Evidence for a regulated Ca ²⁺ entry in proximal tubular cells and its implication in calcium stone formation. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	22
25	Intrinsic Photosensitivity Enhances Motility of T Lymphocytes. <i>Scientific Reports</i> , 2016, 6, 39479.	1.6	19
26	Mixed Cocaine Agonist/Antagonist Properties of (+)-Methyl 4 β -(4-Chlorophenyl)-1-methylpiperidine-3 α -carboxylate, a Piperidine-Based Analog of Cocaine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 143-150.	1.3	18
27	Microcalcifications in stone-obstructed human submandibular gland are associated with apoptosis and cell proliferation. <i>Archives of Oral Biology</i> , 2017, 82, 99-108.	0.8	18
28	Melamine promotes calcium crystal formation in three-dimensional microfluidic device. <i>Scientific Reports</i> , 2019, 9, 875.	1.6	18
29	L-ornithine activates Ca ²⁺ signaling to exert its protective function on human proximal tubular cells. <i>Cellular Signalling</i> , 2020, 67, 109484.	1.7	16
30	Association of serum electrolytes and smoking with salivary gland stone formation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 764-768.	0.7	14
31	Variants of TRP ion channel mRNA present in horseshoe crab ventral eye and brain. <i>Journal of Neurochemistry</i> , 2004, 91, 825-835.	2.1	13
32	Hypercalciuria switches Ca ²⁺ signaling in proximal tubular cells, induces oxidative damage to promote calcium nephrolithiasis. <i>Genes and Diseases</i> , 2022, 9, 531-548.	1.5	13
33	Hypothalamic GABA-ergic activity and T-cell proliferation in aged mammal: effect of dietary protein. <i>Neurochemistry International</i> , 1998, 32, 191-196.	1.9	10
34	Modulation of Tubular pH by Acetazolamide in a Ca ²⁺ Transport Deficient Mice Facilitates Calcium Nephrolithiasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3050.	1.8	10
35	Dietary protein-induced change in mammalian corticosterone status (index of immune response) during aging. <i>Mechanisms of Ageing and Development</i> , 1998, 103, 57-68.	2.2	9
36	Dynamic assembly of TRPC1-STIM1-Orai1 ternary complex is involved in store-operated calcium influx.. <i>Journal of Biological Chemistry</i> , 2007, 282, 27556.	1.6	8

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37	Is hypothalamic GABA involved in immune function in relation to dietary protein during aging?. <i>Neurochemical Research</i> , 1997, 22, 1135-1144.	1.6	7
38	Dietary protein alters age-induced change in hypothalamic GABA and immune response. <i>Neuroscience</i> , 2000, 97, 405-409.	1.1	7
39	Matting Calcium Crystals by Melamine Improves Stabilization and Prevents Dissolution. <i>Crystal Growth and Design</i> , 2019, 19, 6636-6648.	1.4	7
40	Microstructural densification and alignment by aspirationâ€ejection influence cancer cell interactions with threeâ€dimensional collagen networks. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1826-1838.	1.7	7
41	Is Age-induced Decline in Immune Response Associated with Hypothalamic Glutamate Receptor Density and Dietary Protein?. <i>Nutritional Neuroscience</i> , 2001, 4, 375-387.	1.5	6
42	Enhanced carbonic anhydrase expression with calcification and fibrosis in bronchial cartilage during COPD. <i>Acta Histochemica</i> , 2022, 124, 151834.	0.9	5
43	Novel Mutations in a Lethal Case of Lymphomatous Adult T Cell Lymphoma with Cryptic Myocardial Involvement. <i>Current Oncology</i> , 2021, 28, 818-824.	0.9	4
44	Tannic acid attenuates vascular calcification-induced proximal tubular cells damage through paracrine signaling. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111762.	2.5	4
45	Immunohistochemical localization of carbonic anhydrase IV in the human parotid gland. <i>Biotechnic and Histochemistry</i> , 2021, 96, 565-569.	0.7	2
46	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. <i>Journal of Biological Chemistry</i> , 2008, 283, 3688.	1.6	2
47	Age-associated hypothalamic glutamate receptor density: effect of dietary protein. <i>Neurochemical Research</i> , 2001, 26, 145-151.	1.6	1
48	Intrinsic Photoreception and Photokinesis in T Lymphocytes. <i>Biophysical Journal</i> , 2011, 100, 308a.	0.2	1
49	Low Protein Diet Consumption Antagonize the Age-associated Change in Hypothalamic GABA Receptor activity. <i>Nature Precedings</i> , 2008, , .	0.1	0
50	Differential biomolecular recognition by synthetic <i>vs.</i> biologically-derived components in the stone-forming process using 3D microfluidics. <i>Journal of Materials Chemistry B</i> , 2021, 10, 34-46.	2.9	0