Taufiq Rahman

List of Publications by Year
in descending order

65	1,626	279701	315616
papers	citations	23 h-index	38 g-index

76	76	76	1968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ca2+ Entry Through Plasma Membrane IP3 Receptors. Science, 2006, 313, 229-233.	6.0	170
2	An NAADP-gated Two-pore Channel Targeted to the Plasma Membrane Uncouples Triggering from Amplifying Ca2+ Signals. Journal of Biological Chemistry, 2010, 285, 38511-38516.	1.6	153
3	Two-pore channels provide insight into the evolution of voltage-gated Ca ²⁺ and Na ⁺ channels. Science Signaling, 2014, 7, ra109.	1.6	98
4	Phytochemicals increase the antibacterial activity of antibiotics by acting on a drug efflux pump. MicrobiologyOpen, 2014, 3, 885-896.	1.2	82
5	Synthetic partial agonists reveal key steps in IP3 receptor activation. Nature Chemical Biology, 2009, 5, 631-639.	3.9	69
6	Mining of Ebola virus entry inhibitors identifies approved drugs as two-pore channel pore blockers. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1151-1161.	1.9	62
7	The endo-lysosomal system as an NAADP-sensitive acidic Ca2+ store: Role for the two-pore channels. Cell Calcium, 2011, 50, 157-167.	1.1	60
8	Unveiling some FDA-approved drugs as inhibitors of the store-operated Ca2+ entry pathway. Scientific Reports, 2017, 7, 12881.	1.6	52
9	Regulation of Inositol 1,4,5-Trisphosphate Receptors by cAMP Independent of cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 2010, 285, 12979-12989.	1.6	46
10	IP₃ receptors: some lessons from DT40 cells. Immunological Reviews, 2009, 231, 23-44.	2.8	45
11	Recent progress on the prospective application of machine learning to structure-based virtual screening. Current Opinion in Chemical Biology, 2021, 65, 28-34.	2.8	38
12	Dynamic regulation of IP3 receptor clustering and activity by IP3. Channels, 2009, 3, 226-232.	1.5	37
13	Ca²⁺ Channels on the Move. Biochemistry, 2009, 48, 12062-12080.	1.2	37
14	Binding of Inositol 1,4,5-trisphosphate (IP₃) and Adenophostin A to the N-Terminal region of the IP₃Receptor: Thermodynamic Analysis Using Fluorescence Polarization with a Novel IP₃Receptor Ligand. Molecular Pharmacology, 2010, 77, 995-1004.	1.0	37
15	CaBP1, a neuronal Ca ² ⁺ sensor protein, inhibits inositol trisphosphate receptors by clamping intersubunit interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8507-8512.	3.3	37
16	Evaluation of a series of 2-napthamide derivatives as inhibitors of the drug efflux pump AcrB for the reversal of antimicrobial resistance. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 733-739.	1.0	37
17	Structural organization of signalling to and from IP3 receptors. Biochemical Society Transactions, 2014, 42, 63-70.	1.6	35
18	Acid-sensing ion channel 3: An analgesic target. Channels, 2021, 15, 94-127.	1.5	35

#	Article	IF	Citations
19	Proposed structural basis of interaction of piperine and related compounds with monoamine oxidases. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 537-540.	1.0	32
20	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. Scientific Reports, 2016, 6, 23732.	1.6	28
21	Dynamic clustering of IP3 receptors by IP3. Biochemical Society Transactions, 2012, 40, 325-330.	1.6	27
22	Folk Medicinal Uses of Verbenaceae Family Plants in Bangladesh. Tropical Journal of Obstetrics and Gynaecology, 2011, 8, 53-65.	0.3	26
23	The N-terminal region of two-pore channel 1 regulates trafficking and activation by NAADP. Biochemical Journal, 2013, 453, 147-151.	1.7	26
24	Stimulation of Inositol 1,4,5-Trisphosphate (IP3) Receptor Subtypes by Analogues of IP3. PLoS ONE, 2013, 8, e54877.	1.1	22
25	Pharmacological and Ethnomedicinal Overview of Heritiera fomes: Future Prospects. International Scholarly Research Notices, 2014, 2014, 1-12.	0.9	21
26	A plastid two-pore channel essential for inter-organelle communication and growth of Toxoplasma gondii. Nature Communications, 2021, 12, 5802.	5.8	19
27	Two-pore Channels Enter the Atomic Era: Structure of Plant TPC Revealed. Trends in Biochemical Sciences, 2016, 41, 475-477.	3.7	18
28	Global reprogramming of virulence and antibiotic resistance in Pseudomonas aeruginosa by a single nucleotide polymorphism in elongation factor, fusA1. Journal of Biological Chemistry, 2020, 295, 16411-16426.	1.6	17
29	Analysis of IP3 receptors in and out of cells. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1214-1227.	1.1	15
30	Evolutionary plasticity in the allosteric regulator-binding site of pyruvate kinase isoform PykA from Pseudomonas aeruginosa. Journal of Biological Chemistry, 2019, 294, 15505-15516.	1.6	14
31	Inhibition of indole production increases the activity of quinolone antibiotics against E. coli persisters. Scientific Reports, 2020, 10, 11742.	1.6	14
32	Novel Small-Molecule Scaffolds as Candidates against the SARS Coronavirus 2 Main Protease: A Fragment-Guided in Silico Approach. Molecules, 2020, 25, 5501.	1.7	14
33	Structure-Based Design of Novel Biphenyl Amide Antagonists of Human Transient Receptor Potential Cation Channel Subfamily M Member 8 Channels with Potential Implications in the Treatment of Sensory Neuropathies. ACS Chemical Neuroscience, 2020, 11, 268-290.	1.7	13
34	Elevated intracellular cAMP concentration mediates growth suppression in glioma cells. Biochemical Pharmacology, 2020, 174, 113823.	2.0	13
35	Structure-Based Discovery of Lipoteichoic Acid Synthase Inhibitors. Journal of Chemical Information and Modeling, 2022, 62, 2586-2599.	2.5	13
36	Inâ€vitroAntiproliferative Activity of Benzopyranone Derivatives in Comparison with Standard Chemotherapeutic Drugs. Archiv Der Pharmazie, 2011, 344, 102-110.	2.1	12

#	Article	IF	Citations
37	In silico screening of GMQ-like compounds reveals guanabenz and sephin1 as new allosteric modulators of acid-sensing ion channel 3. Biochemical Pharmacology, 2020, 174, 113834.	2.0	12
38	Structural and Functional Characterization of Malate Synthase G from Opportunistic Pathogen Pseudomonas aeruginosa. Biochemistry, 2017, 56, 5539-5549.	1.2	12
39	Establishing an Analogue Based In Silico Pipeline in the Pursuit of Novel Inhibitory Scaffolds against the SARS Coronavirus 2 Papain-Like Protease. Molecules, 2021, 26, 1134.	1.7	11
40	Activation of IP3 receptors requires an endogenous 1-8-14 calmodulin-binding motif. Biochemical Journal, 2013, 449, 39-49.	1.7	10
41	Activation of endo-lysosomal two-pore channels by NAADP and PI(3,5)P2. Five things to know.. Cell Calcium, 2022, 103, 102543.	1.1	10
42	Isolated pores dissected from human two-pore channel 2 are functional. Scientific Reports, 2016, 6, 38426.	1.6	9
43	Exploration of inositol 1,4,5-trisphosphate (IP3) regulated dynamics of N-terminal domain of IP3 receptor reveals early phase molecular events during receptor activation. Scientific Reports, 2019, 9, 2454.	1.6	8
44	Ethaninidothioic acid (R5421) is not a selective inhibitor of platelet phospholipid scramblase activity. British Journal of Pharmacology, 2020, 177, 4007-4020.	2.7	8
45	Nuclear Patch-Clamp Recording from Inositol 1,4,5-Trisphosphate Receptors. Methods in Cell Biology, 2010, 99, 199-224.	0.5	7
46	In silico assessment of interaction of sea anemone toxin APETx2 and acid sensing ion channel 3. Biochemical and Biophysical Research Communications, 2014, 450, 384-389.	1.0	7
47	Quantal Ca2+ release mediated by very few IP3 receptors that rapidly inactivate allows graded responses to IP3. Cell Reports, 2021, 37, 109932.	2.9	7
48	Prognostic implications of troponin T variations in inherited cardiomyopathies using systems biology. Npj Genomic Medicine, 2021, 6, 47.	1.7	5
49	Pharmacological blockade of angiotensin II receptor restores diabetes-associated reduction of store operated Ca2+ entry in adult cardiomyocytes. Biochemical and Biophysical Research Communications, 2022, 610, 56-60.	1.0	5
50	Proposed model of the Dictyostelium cAMP receptors bound to cAMP. Journal of Molecular Graphics and Modelling, 2020, 100, 107662.	1.3	4
51	Anti-Malarial Plants Used in Folk Medicine in Bangladesh. , 2012, , 241-290.		4
52	Rahman et al. reply. Nature, 2011, 478, E2-E3.	13.7	3
53	Identification and Validation of Carbonic Anhydrase II as the First Target of the Anti-Inflammatory Drug Actarit. Biomolecules, 2020, 10, 1570.	1.8	3
54	Correlation Analysis of Target Selectivity and Side Effects of FDAâ€Approved Kinase Inhibitors**. ChemistrySelect, 2021, 6, 7799-7814.	0.7	3

#	Article	IF	Citations
55	NAADP receptors: A one-two.. Cell Calcium, 2021, 100, 102478.	1.1	3
56	Structure, Function and Regulation of a Second Pyruvate Kinase Isozyme in Pseudomonas aeruginosa. Frontiers in Microbiology, 2021, 12, 790742.	1.5	3
57	Repurposing FDA-approved drugs as HIV-1 integrase inhibitors: an in silico investigation. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2146-2159.	2.0	3
58	Immune infiltration and prognostic and diagnostic use of LGALS4 in colon adenocarcinoma and bladder urothelial carcinoma. American Journal of Translational Research (discontinued), 2021, 13, 11353-11363.	0.0	2
59	Q94 is not a selective modulator of proteinase-activated receptor 1 (PAR1) in platelets. Platelets, 2022, 33, 1090-1095.	1.1	2
60	Plants Used in Folk Medicine of Bangladesh for Treatment of Tinea Infections. , 2013, , 333-366.		1
61	Ethnic Use, Phytochemistry, and Pharmacology of Cyperus rotundus. Advances in Medical Diagnosis, Treatment, and Care, 2020, , 82-104.	0.1	1
62	Chapter 3. Natural Products as Promising Leads Against Oncogenic Transcription Factors and Associated Signalling Pathways. RSC Drug Discovery Series, 2018, , 55-80.	0.2	0
63	Abstract P098: Statins Relax Systemic Mesenteric Arteries Via The Inhibition Of Phosphodiesterases. Hypertension, 2020, 76, .	1.3	0
64	Rendezvous with PI(3,5)P2 â€" A rapalog gets caught opening TRPML1. Cell Calcium, 2022, 105, 102597.	1.1	0
65	In-silico discovery of inhibitors against human papillomavirus E1 protein. Journal of Biomolecular Structure and Dynamics, 2023, 41, 5583-5596.	2.0	0