Ebenezer N Yamoah

List of Publications by Citations

53 papers	931 citations	14 h-index	30 g-index
86 ext. papers	1,151 ext. citations	5.5 avg, IF	3.84 L-index

#	Paper	IF	Citations
53	Molecular identification and functional roles of a Ca(2+)-activated K+ channel in human and mouse hearts. *Journal of Biological Chemistry*, **2003**, 278, 49085-94	5.4	206
52	Differential expression of KCNQ4 in inner hair cells and sensory neurons is the basis of progressive high-frequency hearing loss. *Journal of Neuroscience*, **2005**, 25, 9285-93	6.6	104
51	Direct measurement of single-channel Ca(2+) currents in bullfrog hair cells reveals two distinct channel subtypes. *Journal of Physiology*, **2001**, 534, 669-89	3.9	91
50	Kv7-type channel currents in spiral ganglion neurons: involvement in sensorineural hearing loss. *Journal of Biological Chemistry*, **2010**, 285, 34699-707	5.4	42
49	Roles of alternative splicing in the functional properties of inner ear-specific KCNQ4 channels. *Journal of Biological Chemistry*, **2007**, 282, 23899-909	5.4	37
48	Development and regeneration of hair cells share common functional features. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 19108-13	11.5	37
47	Functional interaction with filamin A and intracellular Ca2+ enhance the surface membrane expression of a small-conductance Ca2+-activated K+ (SK2) channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9989-94	11.5	35
46	Regulation of gene transcription by voltage-gated L-type calcium channel, Cav1.3. *Journal of Biological Chemistry*, **2015**, 290, 4663-4676	5.4	31
45	Molecular Mechanisms and New Treatment Paradigm for Atrial Fibrillation. *Circulation: Arrhythmia and Electrophysiology*, **2016**, 9,	6.4	31
44	Cellular and molecular mechanisms of autosomal dominant form of progressive hearing loss, DFNA2. *Journal of Biological Chemistry*, **2011**, 286, 1517-27	5.4	26
43	Sodium-activated potassium channels shape peripheral auditory function and activity of the primary auditory neurons in mice. *Scientific Reports*, **2019**, 9, 2573	4.9	20
42	Coupling of SK channels, L-type Ca channels, and ryanodine receptors in cardiomyocytes. *Scientific Reports*, **2018**, 8, 4670	4.9	18
41	Association of the Kv1 family of K+ channels and their functional blueprint in the properties of auditory neurons as revealed by genetic and functional analyses. *Journal of Neurophysiology*, **2013**, 110, 1751-64	3.2	18
40	Etiology of distinct membrane excitability in pre- and posthearing auditory neurons relies on activity of Cl- channel TMEM16A. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2575-80	11.5	15
39	Using Sox2 to alleviate the hallmarks of age-related hearing loss. *Ageing Research Reviews*, **2020**, 59, 101042	12	14
38	Functional significance of K+ channel β subunit KCNE3 in auditory neurons. *Journal of Biological Chemistry*, **2014**, 289, 16802-13	5.4	14
37	Development in the Mammalian Auditory System Depends on Transcription Factors. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	14

36	Inhibition of conditioned stimulus pathway phosphoprotein 24 expression blocks the reduction in A-type transient K+ current produced by one-trial in vitro conditioning of Hermissenda. *Journal of Neuroscience*, **2005**, 25, 4793-800	6.6	12
35	Age-Dependent Up-Regulation of HCN Channels in Spiral Ganglion Neurons Coincide With Hearing Loss in Mice. *Frontiers in Aging Neuroscience*, **2018**, 10, 353	5.3	12
34	Action Potential Shortening and Impairment of Cardiac Function by Ablation of. *Circulation: Arrhythmia and Electrophysiology*, **2017**, 10,	6.4	11
33	Mechanisms of Calmodulin Regulation of Different Isoforms of Kv7.4 K+ Channels. *Journal of Biological Chemistry*, **2016**, 291, 2499-509	5.4	11
32	Slc26a6 functions as an electrogenic Cl-/HCO3- exchanger in cardiac myocytes. *Cardiovascular Research*, **2013**, 100, 383-91	9.9	11
31	Cooperativity of K7.4 channels confers ultrafast electromechanical sensitivity and emergent properties in cochlear outer hair cells. *Science Advances*, **2020**, 6, eaba1104	14.3	11
30	Distinct subcellular mechanisms for the enhancement of the surface membrane expression of SK2 channel by its interacting proteins, actinin2 and filamin A. *Journal of Physiology*, **2017**, 595, 2271-2284	3.9	10
29	Effects of strontium on the permeation and gating phenotype of calcium channels in hair cells. *Journal of Neurophysiology*, **2008**, 100, 2115-24	3.2	10
28	Identification of a key residue in Kv7.1 potassium channel essential for sensing external potassium ions. *Journal of General Physiology*, **2015**, 145, 201-12	3.4	8
27	Single-Cell RNA-seq Reveals Profound Alterations in Mechanosensitive Dorsal Root Ganglion Neurons with Vitamin E Deficiency. *IScience*, **2019**, 21, 720-735	6.1	8
26	Suppression of inflammation and fibrosis using soluble epoxide hydrolase inhibitors enhances cardiac stem cell-based therapy. *Stem Cells Translational Medicine*, **2020**, 9, 1570-1584	6.9	8
25	The activity of spontaneous action potentials in developing hair cells is regulated by Ca(2+)-dependence of a transient K+ current. *PLoS ONE*, **2011**, 6, e29005	3.7	6
24	Cellular mechanisms of mutations in Kv7.1: auditory functions in Jervell and Lange-Nielsen syndrome vs. Romano-Ward syndrome. *Frontiers in Cellular Neuroscience*, **2015**, 9, 32	6.1	5
23	The local translation of in dendritic projections of auditory neurons and the roles of in the transition from hidden to overt hearing loss. *Aging*, **2019**, 11, 11541-11564	5.6	5
22	Altered Outer Hair Cell Mitochondrial and Subsurface Cisternae Connectomics Are Candidate Mechanisms for Hearing Loss in Mice. *Journal of Neuroscience*, **2020**, 40, 8556-8572	6.6	5
21	Prestin amplifies cardiac motor functions. *Cell Reports*, **2021**, 35, 109097	10.6	5
20	In Vitro Functional Assessment of Adult Spiral Ganglion Neurons (SGNs). *Methods in Molecular Biology*, **2016**, 1427, 513-23	1.4	5
19	Early Physiological and Cellular Indicators of Cisplatin-Induced Ototoxicity. *JARO - Journal of the Association for Research in Otolaryngology*, **2021**, 22, 107-126	3.3	5

18	Different arrhythmia-associated calmodulin mutations have distinct effects on cardiac SK channel regulation. *Journal of General Physiology*, **2020**, 152,	3.4	4
17	Developmental Changes in eGFP Expression in Spiral Ganglion Neurons. *Frontiers in Cellular Neuroscience*, **2021**, 15, 678113	6.1	4
16	Otoprotective Effects of Stephania tetrandra S. Moore Herb Isolate against Acoustic Trauma. *JARO - Journal of the Association for Research in Otolaryngology*, **2018**, 19, 653-668	3.3	4
15	Neurog1, Neurod1, and Atoh1 are essential for spiral ganglia, cochlear nuclei, and cochlear hair cell development. *Faculty Reviews*, **2021**, 10, 47	1.2	3
14	The role of Zur-regulated lipoprotein A in bacterial morphology, antimicrobial susceptibility, and production of outer membrane vesicles in Acinetobacter baumannii. *BMC Microbiology*, **2021**, 21, 27	4.5	3
13	Sustained Loss of Affects Peripheral but Not Central Vestibular Targets.. *Frontiers in Neurology*, **2021**, 12, 768456	4.1	3
12	Clonal change of carbapenem-resistant Acinetobacter baumannii isolates in a Korean hospital. *Infection, Genetics and Evolution*, **2021**, 93, 104935	4.5	2
11	Early Deletion of Alters Neuronal Lineage Potential and Diminishes Neurogenesis in the Inner Ear.. *Frontiers in Cell and Developmental Biology*, **2022**, 10, 845461	5.7	2
10	Early functional alterations in membrane properties and neuronal degeneration are hallmarks of progressive hearing loss in NOD mice. *Scientific Reports*, **2019**, 9, 12128	4.9	1
9	Beat-to-beat dynamic regulation of intracellular pH in cardiomyocytes.. *IScience*, **2022**, 25, 103624	6.1	1
8	Association between Ca3 channel upregulation in spiral ganglion neurons and age-dependent hearing loss. *Experimental Gerontology*, **2021**, 151, 111429	4.5	1
7	Age-Related Hearing Loss: Sensory and Neural Etiology and Their Interdependence.. *Frontiers in Aging Neuroscience*, **2022**, 14, 814528	5.3	1
6	Global regulator DksA modulates virulence of. *Virulence*, **2021**, 12, 2750-2763	4.7	0
5	Cisplatin Neurotoxicity Targets Specific Subpopulations and K Channels in Tyrosine-Hydroxylase Positive Dorsal Root Ganglia Neurons.. *Frontiers in Cellular Neuroscience*, **2022**, 16, 853035	6.1	0
4	Method for Dissecting the Auditory Epithelium (Basilar Papilla) in Developing Chick Embryos. *Methods in Molecular Biology*, **2016**, 1427, 463-70	1.4	
3	A Case of Acute Myeloblastic Leukemia in a Patient with Behçet's Disease. *The Korean Journal of Hematology*, **2009**, 44, 144		
2	Protocol to assess two distinct components of the nonlinear capacitance in mouse cardiomyocytes. *STAR Protocols*, **2021**, 2, 100891	1.4	
1	Protocol to record and quantify the intracellular pH in contracting cardiomyocytes.. *STAR Protocols*, **2022**, 3, 101301	1.4	