

# Ebenezer N Yamoah

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

1,349  
citations

471477

17  
h-index

395678

33  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Identification and Functional Roles of a Ca <sup>2+</sup> -activated K <sup>+</sup> Channel in Human and Mouse Hearts. <i>Journal of Biological Chemistry</i> , 2003, 278, 49085-49094.	3.4	242
2	Differential Expression of KCNQ4 in Inner Hair Cells and Sensory Neurons Is the Basis of Progressive High-Frequency Hearing Loss. <i>Journal of Neuroscience</i> , 2005, 25, 9285-9293.	3.6	126
3	Direct measurement of single-channel Ca <sup>2+</sup> currents in bullfrog hair cells reveals two distinct channel subtypes. <i>Journal of Physiology</i> , 2001, 534, 669-689.	2.9	100
4	Development and regeneration of hair cells share common functional features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19108-19113.	7.1	52
5	Kv7-type Channel Currents in Spiral Ganglion Neurons. <i>Journal of Biological Chemistry</i> , 2010, 285, 34699-34707.	3.4	52
6	Functional interaction with filamin A and intracellular Ca <sup>2+</sup> enhance the surface membrane expression of a small-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> (SK2) channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9989-9994.	7.1	47
7	Regulation of Gene Transcription by Voltage-gated L-type Calcium Channel, Cav1.3. <i>Journal of Biological Chemistry</i> , 2015, 290, 4663-4676.	3.4	44
8	Roles of Alternative Splicing in the Functional Properties of Inner Ear-specific KCNQ4 Channels*. <i>Journal of Biological Chemistry</i> , 2007, 282, 23899-23909.	3.4	40
9	Molecular Mechanisms and New Treatment Paradigm for Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, .	4.8	39
10	Development in the Mammalian Auditory System Depends on Transcription Factors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4189.	4.1	39
11	Cellular and Molecular Mechanisms of Autosomal Dominant Form of Progressive Hearing Loss, DFNA2. <i>Journal of Biological Chemistry</i> , 2011, 286, 1517-1527.	3.4	35
12	Coupling of SK channels, L-type Ca <sup>2+</sup> channels, and ryanodine receptors in cardiomyocytes. <i>Scientific Reports</i> , 2018, 8, 4670.	3.3	30
13	Sodium-activated potassium channels shape peripheral auditory function and activity of the primary auditory neurons in mice. <i>Scientific Reports</i> , 2019, 9, 2573.	3.3	30
14	Cooperativity of K <sup>v</sup> 7.4 channels confers ultrafast electromechanical sensitivity and emergent properties in cochlear outer hair cells. <i>Science Advances</i> , 2020, 6, eaba1104.	10.3	26
15	Using Sox2 to alleviate the hallmarks of age-related hearing loss. <i>Ageing Research Reviews</i> , 2020, 59, 101042.	10.9	24
16	Association of the Kv1 family of K <sup>+</sup> channels and their functional blueprint in the properties of auditory neurons as revealed by genetic and functional analyses. <i>Journal of Neurophysiology</i> , 2013, 110, 1751-1764.	1.8	23
17	Etiology of distinct membrane excitability in pre- and posthearing auditory neurons relies on activity of Cl <sup>-</sup> channel TMEM16A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2575-2580.	7.1	22
18	Single-Cell RNA-seq Reveals Profound Alterations in Mechanosensitive Dorsal Root Ganglion Neurons with Vitamin E Deficiency. <i>IScience</i> , 2019, 21, 720-735.	4.1	21

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19	Altered Outer Hair Cell Mitochondrial and Subsurface Cisternae Connectomics Are Candidate Mechanisms for Hearing Loss in Mice. <i>Journal of Neuroscience</i> , 2020, 40, 8556-8572.	3.6	21
20	Age-Related Hearing Loss: Sensory and Neural Etiology and Their Interdependence. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 814528.	3.4	20
21	Distinct subcellular mechanisms for the enhancement of the surface membrane expression of SK2 channel by its interacting proteins, $\alpha$ -actinin2 and filamin A. <i>Journal of Physiology</i> , 2017, 595, 2271-2284.	2.9	18
22	Developmental Changes in Peripherin-eGFP Expression in Spiral Ganglion Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 678113.	3.7	18
23	Mechanisms of Calmodulin Regulation of Different Isoforms of Kv7.4 K <sup>+</sup> Channels. <i>Journal of Biological Chemistry</i> , 2016, 291, 2499-2509.	3.4	17
24	Action Potential Shortening and Impairment of Cardiac Function by Ablation of <i>Slc26a6</i> . <i>Circulation: Arrhythmia and Electrophysiology</i> , 2017, 10, .	4.8	17
25	Prestin amplifies cardiac motor functions. <i>Cell Reports</i> , 2021, 35, 109097.	6.4	17
26	Functional Significance of K <sup>+</sup> Channel $\beta$ -Subunit KCNE3 in Auditory Neurons. <i>Journal of Biological Chemistry</i> , 2014, 289, 16802-16813.	3.4	16
27	<i>Slc26a6</i> functions as an electrogenic Cl <sup>-</sup> /HCO <sub>3</sub> <sup>-</sup> exchanger in cardiac myocytes. <i>Cardiovascular Research</i> , 2013, 100, 383-391.	3.8	15
28	Age-Dependent Up-Regulation of HCN Channels in Spiral Ganglion Neurons Coincide With Hearing Loss in Mice. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 353.	3.4	15
29	Effects of Strontium on the Permeation and Gating Phenotype of Calcium Channels in Hair Cells. <i>Journal of Neurophysiology</i> , 2008, 100, 2115-2124.	1.8	13
30	Inhibition of Conditioned Stimulus Pathway Phosphoprotein 24 Expression Blocks the Reduction in A-Type Transient K <sup>+</sup> Current Produced by One-Trial In Vitro Conditioning of <i>Hermisenda</i> . <i>Journal of Neuroscience</i> , 2005, 25, 4793-4800.	3.6	12
31	Suppression of inflammation and fibrosis using soluble epoxide hydrolase inhibitors enhances cardiac stem cell-based therapy. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1570-1584.	3.3	12
32	Sustained Loss of Bdnf Affects Peripheral but Not Central Vestibular Targets. <i>Frontiers in Neurology</i> , 2021, 12, 768456.	2.4	12
33	<i>Neurog1</i> , <i>Neurod1</i> , and <i>Atoh1</i> are essential for spiral ganglia, cochlear nuclei, and cochlear hair cell development. <i>Faculty Reviews</i> , 2021, 10, 47.	3.9	11
34	Early Physiological and Cellular Indicators of Cisplatin-Induced Ototoxicity. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2021, 22, 107-126.	1.8	11
35	Clonal change of carbapenem-resistant <i>Acinetobacter baumannii</i> isolates in a Korean hospital. <i>Infection, Genetics and Evolution</i> , 2021, 93, 104935.	2.3	10
36	Early Deletion of <i>Neurod1</i> Alters Neuronal Lineage Potential and Diminishes Neurogenesis in the Inner Ear. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 845461.	3.7	10

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37	The Activity of Spontaneous Action Potentials in Developing Hair Cells Is Regulated by Ca <sup>2+</sup> -Dependence of a Transient K <sup>+</sup> Current. <i>PLoS ONE</i> , 2011, 6, e29005.	2.5	9
38	The local translation of KNa in dendritic projections of auditory neurons and the roles of KNa in the transition from hidden to overt hearing loss. <i>Aging</i> , 2019, 11, 11541-11564.	3.1	9
39	Cellular mechanisms of mutations in Kv7.1: auditory functions in Jervell and Lange-Nielsen syndrome vs. Romano-Ward syndrome. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 32.	3.7	8
40	Identification of a key residue in Kv7.1 potassium channel essential for sensing external potassium ions. <i>Journal of General Physiology</i> , 2015, 145, 201-212.	1.9	8
41	The role of Zur-regulated lipoprotein A in bacterial morphology, antimicrobial susceptibility, and production of outer membrane vesicles in <i>Acinetobacter baumannii</i> . <i>BMC Microbiology</i> , 2021, 21, 27.	3.3	8
42	In Vitro Functional Assessment of Adult Spiral Ganglion Neurons (SGNs). <i>Methods in Molecular Biology</i> , 2016, 1427, 513-523.	0.9	7
43	Different arrhythmia-associated calmodulin mutations have distinct effects on cardiac SK channel regulation. <i>Journal of General Physiology</i> , 2020, 152, .	1.9	7
44	Disruption of protein quality control of the human ether- $\alpha$ -go-go related gene K <sup>+</sup> channel results in profound long QT syndrome. <i>Heart Rhythm</i> , 2022, 19, 281-292.	0.7	7
45	Global regulator DksA modulates virulence of <i>Acinetobacter baumannii</i> . <i>Virulence</i> , 2021, 12, 2750-2763.	4.4	7
46	Otoprotective Effects of <i>Stephania tetrandra</i> S. Moore Herb Isolate against Acoustic Trauma. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2018, 19, 653-668.	1.8	6
47	Beat-to-beat dynamic regulation of intracellular pH in cardiomyocytes. <i>IScience</i> , 2022, 25, 103624.	4.1	4
48	Cisplatin Neurotoxicity Targets Specific Subpopulations and K <sup>+</sup> Channels in Tyrosine-Hydroxylase Positive Dorsal Root Ganglia Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 853035.	3.7	4
49	Association between Cav3 channel upregulation in spiral ganglion neurons and age-dependent hearing loss. <i>Experimental Gerontology</i> , 2021, 151, 111429.	2.8	3
50	Intrinsic mechanical sensitivity of mammalian auditory neurons as a contributor to sound-driven neural activity. <i>ELife</i> , 2022, 11, .	6.0	2
51	Early functional alterations in membrane properties and neuronal degeneration are hallmarks of progressive hearing loss in NOD mice. <i>Scientific Reports</i> , 2019, 9, 12128.	3.3	1
52	Protocol to record and quantify the intracellular pH in contracting cardiomyocytes. <i>STAR Protocols</i> , 2022, 3, 101301.	1.2	1
53	A Case of Acute Myeloblastic Leukemia in a Patient with Behçet's Disease. <i>The Korean Journal of Hematology</i> , 2009, 44, 144.	0.7	0
54	Method for Dissecting the Auditory Epithelium (Basilar Papilla) in Developing Chick Embryos. <i>Methods in Molecular Biology</i> , 2016, 1427, 463-470.	0.9	0

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55	Protocol to assess two distinct components of the nonlinear capacitance in mouse cardiomyocytes. STAR Protocols, 2021, 2, 100891.	1.2	0