# Bo Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1355560/publications.pdf

Version: 2024-02-01

| 21 | 393 | 840585 11 | 794469 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 649 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cardiac ryanodine receptor calcium release deficiency syndrome. Science Translational Medicine, 2021, 13, . | 5.8 | 68 |
| 2 | Limiting RyR2 Open Time Prevents Alzheimerâ€™s Disease-Related Neuronal Hyperactivity and Memory Loss but Not Î²-Amyloid Accumulation. Cell Reports, 2020, 32, 108169. | 2.9 | 41 |
| 3 | De novo ITPR1 variants are a recurrent cause of early-onset ataxia, acting via loss of channel function. European Journal of Human Genetics, 2018, 26, 1623-1634. | 1.4 | 32 |
| 4 | Suppression of ryanodine receptor function prolongs Ca2+ release refractoriness and promotes cardiac alternans in intact hearts. Biochemical Journal, 2016, 473, 3951-3964. | 1.7 | 28 |
| 5 | Generation and Characterization of a Mouse Model Harboring the Exon-3 Deletion in the Cardiac Ryanodine Receptor. PLoS ONE, 2014, 9, e95615. | 1.1 | 27 |
| 6 | The cardiac ryanodine receptor, but not sarcoplasmic reticulum Ca2+-ATPase, is a major determinant of Ca2+ alternans in intact mouse hearts. Journal of Biological Chemistry, 2018, 293, 13650-13661. | 1.6 | 27 |
| 7 | Enhanced Cytosolic Ca2+ Activation Underlies a Common Defect of Central Domain Cardiac Ryanodine Receptor Mutations Linked to Arrhythmias. Journal of Biological Chemistry, 2016, 291, 24528-24537. | 1.6 | 22 |
| 8 | Limiting RyR2 open time prevents Alzheimer's diseaseâ€related deficits in the 3xTGâ€AD mouse model. Journal of Neuroscience Research, 2021, 99, 2906-2921. | 1.3 | 18 |
| 9 | Human RyR2 (Ryanodine Receptor 2) Loss-of-Function Mutations. Circulation: Arrhythmia and Electrophysiology, 2021, 14, e010013. | 2.1 | 18 |
| 10 | Ca 2+ -CaM Dependent Inactivation of RyR2 Underlies Ca 2+ Alternans in Intact Heart. Circulation Research, 2021, 128, e63-e83. | 2.0 | 17 |
| 11 | Increased RyR2 open probability induces neuronal hyperactivity and memory loss with or without Alzheimer's diseaseâ€“causing gene mutations. Alzheimer's and Dementia, 2022, 18, 2088-2098. | 0.4 | 16 |
| 12 | The central domain of cardiac ryanodine receptor governs channel activation, regulation, and stability. Journal of Biological Chemistry, 2020, 295, 15622-15635. | 1.6 | 13 |
| 13 | CPVT-associated cardiac ryanodine receptor mutation G357S with reduced penetrance impairs Ca2+ release termination and diminishes protein expression. PLoS ONE, 2017, 12, e0184177. | 1.1 | 12 |
| 14 | Subcellular localization of hippocampal ryanodine receptor 2 and its role in neuronal excitability and memory. Communications Biology, 2022, 5, 183. | 2.0 | 12 |
| 15 | Reduced expression of cardiac ryanodine receptor protects against stress-induced ventricular tachyarrhythmia, but increases the susceptibility to cardiac alternans. Biochemical Journal, 2018, 475, 169-183. | 1.7 | 8 |
| 16 | RyR2 disease mutations at the C-terminal domain intersubunit interface alter closed-state stability and channel activation. Journal of Biological Chemistry, 2021, 297, 100808. | 1.6 | 7 |
| 17 | A gainâ€ofâ€function mutation in the ITPR1 gating domain causes male infertility in mice. Journal of Cellular Physiology, 2022, 237, 3305-3316. | 2.0 | 7 |
| 18 | The Cytoplasmic Region of Inner Helix S6 Is an Important Determinant of Cardiac Ryanodine Receptor Channel Gating. Journal of Biological Chemistry, 2016, 291, 26024-26034. | 1.6 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Genetically and pharmacologically limiting RyR2 open time prevents neuronal hyperactivity of hippocampal CA1 neurons in brain slices of 5xFAD mice. Neuroscience Letters, 2021, 758, 136011. | 1.0 | 6 |
| 20 | Thioredoxinâ€1 regulates calcium homeostasis in MPP<sup>+</sup>/MPTPâ€induced Parkinson's disease models. European Journal of Neuroscience, 2021, 54, 4827-4837. | 1.2 | 4 |
| 21 | Exhaled nitric oxide in neonates with or without hypoxemic respiratory failure. World Journal of Emergency Medicine, 2011, 2, 195. | 0.5 | 4 |