

Zoltan Varga

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8087345/publications.pdf>

Version: 2024-02-01

47
papers

818
citations

623734

14
h-index

501196

28
g-index

47
all docs

47
docs citations

47
times ranked

1023
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Discovery of human Hv1 channel peptide inhibitors. <i>Biophysical Journal</i> , 2022, 121, 504a. | 0.5 | 0 |
| 2 | Multiple mechanisms contribute to fluorometry signals from the voltage-gated proton channel. <i>Biophysical Journal</i> , 2022, 121, 247a. | 0.5 | 0 |
| 3 | Functional Voltage-Gated Sodium Channels Are Present in the Human B Cell Membrane. <i>Cells</i> , 2022, 11, 1225. | 4.1 | 0 |
| 4 | sVmKTx, a transcriptome analysis-based synthetic peptide analogue of Vm24, inhibits Kv1.3 channels of human T cells with improved selectivity. <i>Biochemical Pharmacology</i> , 2022, 199, 115023. | 4.4 | 4 |
| 5 | Investigation of the Role of the TRPA1 Ion Channel in Conveying the Effect of Dimethyl Trisulfide on Vascular and Histological Changes in Serum-Transfer Arthritis. <i>Pharmaceuticals</i> , 2022, 15, 671. | 3.8 | 2 |
| 6 | A Novel Spider Peptide that Affects the Voltage Gated Potassium Channel Kv1.5. <i>Biophysical Journal</i> , 2021, 120, 246a-247a. | 0.5 | 1 |
| 7 | The Kv1.3 K ⁺ channel in the immune system and its "precision pharmacology" using peptide toxins. <i>Biologia Futura</i> , 2021, 72, 75-83. | 1.4 | 13 |
| 8 | An ω -3, but Not an ω -6 Polyunsaturated Fatty Acid Decreases Membrane Dipole Potential and Stimulates Endo-Lysosomal Escape of Penetratin. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 647300. | 3.7 | 11 |
| 9 | Shaker-IR K ⁺ channel gating in heavy water: Role of structural water molecules in inactivation. <i>Journal of General Physiology</i> , 2021, 153, . | 1.9 | 5 |
| 10 | Cyclodextrins Exert a Ligand-like Current Inhibitory Effect on the KV1.3 Ion Channel Independent of Membrane Cholesterol Extraction. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 735357. | 3.5 | 9 |
| 11 | Peptide Inhibitors of Kv1.5: An Option for the Treatment of Atrial Fibrillation. <i>Pharmaceuticals</i> , 2021, 14, 1303. | 3.8 | 10 |
| 12 | Characterization of Direct Cyclodextrin Effects on Voltage-Gated Potassium Channels. <i>Biophysical Journal</i> , 2020, 118, 263a-264a. | 0.5 | 1 |
| 13 | Detecting and Modelling Conformational States of the Proton Channel with Voltage-Clamp Fluorometry. <i>Biophysical Journal</i> , 2020, 118, 275a. | 0.5 | 0 |
| 14 | Periodic Membrane Potential and Ca ²⁺ Oscillations in T Cells Forming an Immune Synapse. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1568. | 4.1 | 9 |
| 15 | Direct and indirect cholesterol effects on membrane proteins with special focus on potassium channels. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158706. | 2.4 | 50 |
| 16 | The activation gate controls steady-state inactivation and recovery from inactivation in <i>Shaker</i> . <i>Journal of General Physiology</i> , 2020, 152, . | 1.9 | 7 |
| 17 | The Origin of the Voltage Clamp Fluorometry Signal in Ci-Hv1 Proton Channel. <i>Biophysical Journal</i> , 2019, 116, 243a. | 0.5 | 0 |
| 18 | N-methyl-D-aspartate (NMDA) receptor expression and function is required for early chondrogenesis. <i>Cell Communication and Signaling</i> , 2019, 17, 166. | 6.5 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Determining the target of membrane sterols on voltage-gated potassium channels. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 312-325. | 2.4 | 13 |
| 20 | Determining the Target of Membrane Sterols on the Gating of Voltage-Gated Potassium Channels using Voltage-Clamp Fluorometry. <i>Biophysical Journal</i> , 2018, 114, 477a. | 0.5 | 0 |
| 21 | Optimization of the Synthesis of Flavone- α -Amino Acid and Flavone- α -Dipeptide Hybrids via Buchwald- α -Hartwig Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 4578-4587. | 3.2 | 20 |
| 22 | Analysis of the State-Dependent Block of Shaker IR by bTBuA. <i>Biophysical Journal</i> , 2017, 112, 247a. | 0.5 | 0 |
| 23 | Probing the Gating of Kv10.1 Channels by MTS Reagents. <i>Biophysical Journal</i> , 2017, 112, 248a. | 0.5 | 0 |
| 24 | KCa1.1 Channel Auxiliary Beta Subunit Composition in Glioblastoma Multiforme. <i>Biophysical Journal</i> , 2017, 112, 546a. | 0.5 | 0 |
| 25 | Regulation of Na ⁺ channel inactivation by the DIII and DIV voltage-sensing domains. <i>Journal of General Physiology</i> , 2017, 149, 389-403. | 1.9 | 30 |
| 26 | Mechanisms of noncovalent I ² subunit regulation of NaV channel gating. <i>Journal of General Physiology</i> , 2017, 149, 813-831. | 1.9 | 62 |
| 27 | Sterol Regulation of Voltage-Gated K ⁺ Channels. <i>Current Topics in Membranes</i> , 2017, 80, 255-292. | 0.9 | 14 |
| 28 | An engineered scorpion toxin analogue with improved Kv1.3 selectivity displays reduced conformational flexibility. <i>Scientific Reports</i> , 2016, 5, 18397. | 3.3 | 21 |
| 29 | The Effect of Membrane Cholesterol Content on the Gating Mechanism of Voltage Gated Potassium Channels. <i>Biophysical Journal</i> , 2016, 110, 104a. | 0.5 | 0 |
| 30 | DIII of Voltage-Gated Na ⁺ Channels Interacts With Inactivation in the Time Domain of Intermediate Inactivation. <i>Biophysical Journal</i> , 2016, 110, 437a. | 0.5 | 0 |
| 31 | 7DHC-induced changes of Kv1.3 operation contributes to modified T cell function in Smith-Lemli-Opitz syndrome. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1403-1418. | 2.8 | 15 |
| 32 | Shaker-IR K Channel Gating in Heavy Water: Role of Structural Water Molecules in Inactivation. <i>Biophysical Journal</i> , 2016, 110, 343a-344a. | 0.5 | 3 |
| 33 | 7-Dehydrocholesterol Modifies the Operation of Kv1.3 Channels in T Cells Isolated from Smith-Lemli-Opitz Syndrome Patients. <i>Biophysical Journal</i> , 2016, 110, 278a-279a. | 0.5 | 0 |
| 34 | Probing pattern and dynamics of disulfide bridges using synthesis and NMR of an ion channel blocker peptide toxin with multiple diselenide bonds. <i>Chemical Science</i> , 2016, 7, 2666-2673. | 7.4 | 7 |
| 35 | The anti-proliferative effect of cation channel blockers in T lymphocytes depends on the strength of mitogenic stimulation. <i>Immunology Letters</i> , 2016, 171, 60-69. | 2.5 | 9 |
| 36 | Molecular motions that shape the cardiac action potential: Insights from voltage clamp fluorometry. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 120, 3-17. | 2.9 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | The Anti-Proliferative Effect of Cation Channel Blockers on T Lymphocytes Stimulated by Anti-CD3 and Anti-CD28. <i>Biophysical Journal</i> , 2015, 108, 586a-587a. | 0.5 | 0 |
| 38 | Potassium Channel Blocking Peptide Toxins from Scorpion Venom. , 2015, , 493-527. | | 3 |
| 39 | Direct Measurement of Cardiac Na ⁺ Channel Conformations Reveals Molecular Pathologies of Inherited Mutations. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1228-1239. | 4.8 | 32 |
| 40 | The Xenopus Oocyte Cut-open Vaseline Gap Voltage-clamp Technique With Fluorometry. <i>Journal of Visualized Experiments</i> , 2014, , . | 0.3 | 22 |
| 41 | Vm24, a Natural Immunosuppressive Peptide, Potently and Selectively Blocks Kv1.3 Potassium Channels of Human T Cells. <i>Molecular Pharmacology</i> , 2012, 82, 372-382. | 2.3 | 83 |
| 42 | Switch of Voltage-Gated K ⁺ Channel Expression in the Plasma Membrane of Chondrogenic Cells Affects Cytosolic Ca ²⁺ -Oscillations and Cartilage Formation. <i>PLoS ONE</i> , 2011, 6, e27957. | 2.5 | 39 |
| 43 | A selective blocker of Kv1.2 and Kv1.3 potassium channels from the venom of the scorpion <i>Centruroides suffusus suffusus</i> . <i>Biochemical Pharmacology</i> , 2008, 76, 1142-1154. | 4.4 | 46 |
| 44 | Involvement of Membrane Channels in Autoimmune Disorders. <i>Current Pharmaceutical Design</i> , 2007, 13, 2456-2468. | 1.9 | 8 |
| 45 | Anuroctoxin, a New Scorpion Toxin of the $\hat{I}\pm$ -KTx 6 Subfamily, Is Highly Selective for Kv1.3 over IKCa1 Ion Channels of Human T Lymphocytes. <i>Molecular Pharmacology</i> , 2005, 67, 1034-1044. | 2.3 | 58 |
| 46 | Ion channels and lymphocyte activation. <i>Immunology Letters</i> , 2004, 92, 55-66. | 2.5 | 101 |
| 47 | Cholesterol modifies the gating of Kv1.3 in human T lymphocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 445, 674-682. | 2.8 | 82 |