

Svetlana B Tikunova

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

663
citations

623734

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839539

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20
all docs

20
docs citations

20
times ranked

497
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | RPIâ€194 is a Novel Troponin Activator that Increases the Calcium Sensitivity of Striated Muscle Contraction. <i>FASEB Journal</i> , 2022, 36, . | 0.5 | 0 |
| 2 | Discovery of Novel Small-Molecule Calcium Sensitizers for Cardiac Troponin C: A Combined Virtual and Experimental Screening Approach. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 3648-3661. | 5.4 | 25 |
| 3 | Calmodulinâ€Calcineurin Interaction beyond the Calmodulin-Binding Region Contributes to Calcineurin Activation. <i>Biochemistry</i> , 2019, 58, 4070-4085. | 2.5 | 14 |
| 4 | 3-Chlorodiphenylamine activates cardiac troponin by a mechanism distinct from bepridil or TFP. <i>Journal of General Physiology</i> , 2019, 151, 9-17. | 1.9 | 14 |
| 5 | Gene Transfer of Engineered Calmodulin Alleviates Ventricular Arrhythmias in a Calsequestrinâ€Associated Mouse Model of Catecholaminergic Polymorphic Ventricular Tachycardia. <i>Journal of the American Heart Association</i> , 2018, 7, . | 3.7 | 32 |
| 6 | Successful Identification of Cardiac Troponin Calcium Sensitizers Using a Combination of Virtual Screening and ROC Analysis of Known Troponin C Binders. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 3056-3069. | 5.4 | 24 |
| 7 | Divergent Soybean Calmodulins Respond Similarly to Calcium Transients: Insight into Differential Target Regulation. <i>Frontiers in Plant Science</i> , 2017, 08, 208. | 3.6 | 10 |
| 8 | Myofilament Calcium Sensitivity: Consequences of the Effective Concentration of Troponin I. <i>Frontiers in Physiology</i> , 2016, 7, 632. | 2.8 | 37 |
| 9 | Designing proteins to combat disease: Cardiac troponin C as an example. <i>Archives of Biochemistry and Biophysics</i> , 2016, 601, 4-10. | 3.0 | 14 |
| 10 | Knock-in mice harboring a Ca ²⁺ desensitizing mutation in cardiac troponin C develop early onset dilated cardiomyopathy. <i>Frontiers in Physiology</i> , 2015, 6, 242. | 2.8 | 9 |
| 11 | Effect of Calcium-Sensitizing Mutations on Calcium Binding and Exchange with Troponin C in Increasingly Complex Biochemical Systems. <i>Biochemistry</i> , 2010, 49, 1975-1984. | 2.5 | 41 |
| 12 | Modulation of the rate of cardiac muscle contraction by troponin C constructs with various calcium binding affinities. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2580-H2587. | 3.2 | 23 |
| 13 | Ca ²⁺ exchange with troponin C and cardiac muscle dynamics. <i>Cardiovascular Research</i> , 2007, 77, 619-626. | 3.8 | 68 |
| 14 | Effects of Thin and Thick Filament Proteins on Calcium Binding and Exchange with Cardiac Troponin C. <i>Biophysical Journal</i> , 2007, 92, 3195-3206. | 0.5 | 103 |
| 15 | Designing Calcium-sensitizing Mutations in the Regulatory Domain of Cardiac Troponin C. <i>Journal of Biological Chemistry</i> , 2004, 279, 35341-35352. | 3.4 | 74 |
| 16 | Engineering Competitive Magnesium Binding into the First EF-hand of Skeletal Troponin C. <i>Journal of Biological Chemistry</i> , 2002, 277, 49716-49726. | 3.4 | 34 |
| 17 | Effect of Hydrophobic Residue Substitutions with Glutamine on Ca ²⁺ Binding and Exchange with the N-Domain of Troponin Câ€. <i>Biochemistry</i> , 2002, 41, 6697-6705. | 2.5 | 62 |
| 18 | Modifying Mg ²⁺ Binding and Exchange with the N-Terminal of Calmodulinâ€. <i>Biochemistry</i> , 2001, 40, 3348-3353. | 2.5 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Acid Pairs Increase the N-Terminal Ca ²⁺ Affinity of CaM by Increasing the Rate of Ca ²⁺ Association; Biochemistry, 2000, 39, 13831-13837. | 2.5 | 47 |
| 20 | Small Molecule RPI-194 Stabilizes Activated Troponin to Increase the Calcium Sensitivity of Striated Muscle Contraction. Frontiers in Physiology, 0, 13, . | 2.8 | 4 |