

Robert Renthal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2570006/publications.pdf>

Version: 2024-02-01

33
papers

536
citations

759233

12
h-index

642732

23
g-index

33
all docs

33
docs citations

33
times ranked

639
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Arthropod repellents and chemosensory reception. , 2022, , 141-162. | | 1 |
| 2 | Odorant-binding protein from the stable fly (<i>Stomoxys calcitrans</i>) has a high-histidine N-terminal extension that binds transition metals. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 141, 103707. | 2.7 | 1 |
| 3 | Antennal Proteome of the <i>Solenopsis invicta</i> (Hymenoptera: Formicidae): Caste Differences in Olfactory Receptors and Chemosensory Support Proteins. <i>Journal of Insect Science</i> , 2020, 20, . | 1.5 | 5 |
| 4 | Surface lipidome of the lone star tick, <i>Amblyomma americanum</i> , provides leads on semiochemicals and lipid metabolism. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 138-145. | 2.7 | 7 |
| 5 | Major venom proteins of the fire ant <i>Solenopsis invicta</i> : insights into possible pheromone-binding function from mass spectrometric analysis. <i>Insect Molecular Biology</i> , 2018, 27, 505-511. | 2.0 | 18 |
| 6 | The chemosensory appendage proteome of <i>Amblyomma americanum</i> (Acari: Ixodidae) reveals putative odorant-binding and other chemoreception-related proteins. <i>Insect Science</i> , 2017, 24, 730-742. | 3.0 | 42 |
| 7 | Neuronal projections from the Haller's organ and palp sensilla to the synganglion of <i>Amblyomma americanum</i> . <i>Brazilian Journal of Veterinary Parasitology</i> , 2016, 25, 217-224. | 0.7 | 11 |
| 8 | Kinetics of lipid mixing between bicelles and nanolipoprotein particles. <i>Biophysical Chemistry</i> , 2015, 197, 47-52. | 2.8 | 11 |
| 9 | Kinetic Mechanism of Lipidprotein Nanodisc Dissociation in Bicelles. <i>FASEB Journal</i> , 2015, 29, 568.24. | 0.5 | 0 |
| 10 | Surface Polar Lipids Differ in Male and Female <i>Phlebotomus papatasi</i> (Diptera: Tj ETQq0 0 0 rgBT /Overlock_10 Tf 50 3 | 1.8 | 1 |
| 11 | Integral Membrane Protein Fragment Recombination after Transfer from Nanolipoprotein Particles to Bicelles. <i>Biochemistry</i> , 2013, 52, 9405-9412. | 2.5 | 10 |
| 12 | Quantitative analysis of pheromone-binding protein specificity. <i>Insect Molecular Biology</i> , 2013, 22, 31-40. | 2.0 | 17 |
| 13 | Formation of integral membrane protein oligomers. <i>FASEB Journal</i> , 2012, 26, 602.2. | 0.5 | 0 |
| 14 | Proteomic insights into the protective mechanisms of an in vitro oxidative stress model of early stage Parkinson's disease. <i>Neuroscience Letters</i> , 2011, 488, 11-16. | 2.1 | 19 |
| 15 | Interaction of a two-transmembrane-helix peptide with lipid bilayers and dodecyl sulfate micelles. <i>Biophysical Chemistry</i> , 2011, 159, 321-327. | 2.8 | 7 |
| 16 | Helix insertion into bilayers and the evolution of membrane proteins. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1077-1088. | 5.4 | 35 |
| 17 | The major antennal chemosensory protein of red imported fire ant workers. <i>Insect Molecular Biology</i> , 2009, 18, 395-404. | 2.0 | 82 |
| 18 | Occurrence of antennal glands in ants. <i>Microscopy Research and Technique</i> , 2008, 71, 787-791. | 2.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Buried water molecules in helical transmembrane proteins. <i>Protein Science</i> , 2008, 17, 293-298. | 7.6 | 12 |
| 20 | An Unfolding Story of Helical Transmembrane Proteins. <i>Biochemistry</i> , 2006, 45, 14559-14566. | 2.5 | 61 |
| 21 | Transmembrane Helix-Helix Association: Relative Stabilities at Low pH. <i>Biochemistry</i> , 2006, 45, 4371-4377. | 2.5 | 6 |
| 22 | Partially unfolded membrane protein has a compact conformation. <i>FASEB Journal</i> , 2006, 20, . | 0.5 | 2 |
| 23 | Estimation of Helix-Helix Association Free Energy from Partial Unfolding of Bacterioopsin. <i>Biochemistry</i> , 2004, 43, 550-559. | 2.5 | 21 |
| 24 | Structure and distribution of antennal sensilla of the red imported fire ant. <i>Micron</i> , 2003, 34, 405-413. | 2.2 | 83 |
| 25 | Self-association of helical peptides in a lipid environment. <i>The Protein Journal</i> , 2002, 21, 255-264. | 1.1 | 9 |
| 26 | Antennal glands in queen and worker of the fire ant, <i>Solenopsis invicta</i> Buren: first report in female social Aculeata (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2000, 47, 236-240. | 1.2 | 26 |
| 27 | Water and Carboxyl Group Environments in the Dehydration Blueshift of Bacteriorhodopsin. <i>Photochemistry and Photobiology</i> , 2000, 72, 714-718. | 2.5 | 0 |
| 28 | Guanidinium restores the chromophore but not rapid proton release in bacteriorhodopsin mutant R82Q. <i>Biophysical Journal</i> , 1997, 73, 2711-2717. | 0.5 | 6 |
| 29 | Effect of transmembrane helix packing on tryptophan and tyrosine environments in detergent-solubilized bacterio-opsin. <i>The Protein Journal</i> , 1996, 15, 281-289. | 1.1 | 9 |
| 30 | COOPERATIVITY OF THE DEHYDRATION BLUE-SHIFT OF BACTERIORHODOPSIN. <i>Photochemistry and Photobiology</i> , 1991, 54, 931-935. | 2.5 | 11 |
| 31 | A ROLE FOR MENADIONE IN THE PURPLE MEMBRANE PROTON PUMP?. <i>Photochemistry and Photobiology</i> , 1988, 48, 219-221. | 2.5 | 2 |
| 32 | A cleavable cross-linking reaction for protein carboxyl groups. <i>International Journal of Peptide and Protein Research</i> , 1983, 22, 144-147. | 0.1 | 2 |
| 33 | BLEACHING OF PURPLE MEMBRANE WITH O-SUBSTITUTED HYDROXYLAMINES. <i>Photochemistry and Photobiology</i> , 1982, 36, 345-348. | 2.5 | 12 |