

Robert Renthal

List of Publications by Year in descending order

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33
papers

536
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759233

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33
all docs

33
docs citations

33
times ranked

639
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and distribution of antennal sensilla of the red imported fire ant. <i>Micron</i> , 2003, 34, 405-413.	2.2	83
2	The major antennal chemosensory protein of red imported fire ant workers. <i>Insect Molecular Biology</i> , 2009, 18, 395-404.	2.0	82
3	An Unfolding Story of Helical Transmembrane Proteins. <i>Biochemistry</i> , 2006, 45, 14559-14566.	2.5	61
4	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
5	Helix insertion into bilayers and the evolution of membrane proteins. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1077-1088.	5.4	35
6	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
7	Estimation of Helix-Helix Association Free Energy from Partial Unfolding of Bacterioopsin. <i>Biochemistry</i> , 2004, 43, 550-559.	2.5	21
8	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
9	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
10	Quantitative analysis of pheromone-binding protein specificity. <i>Insect Molecular Biology</i> , 2013, 22, 31-40.	2.0	17
11	BLEACHING OF PURPLE MEMBRANE WITH O-SUBSTITUTED HYDROXYLAMINES. <i>Photochemistry and Photobiology</i> , 1982, 36, 345-348.	2.5	12
12	Buried water molecules in helical transmembrane proteins. <i>Protein Science</i> , 2008, 17, 293-298.	7.6	12
13	COOPERATIVITY OF THE DEHYDRATION BLUE-SHIFT OF BACTERIORHODOPSIN. <i>Photochemistry and Photobiology</i> , 1991, 54, 931-935.	2.5	11
14	Kinetics of lipid mixing between bicelles and nanolipoprotein particles. <i>Biophysical Chemistry</i> , 2015, 197, 47-52.	2.8	11
15	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
16	Integral Membrane Protein Fragment Recombination after Transfer from Nanolipoprotein Particles to Bicelles. <i>Biochemistry</i> , 2013, 52, 9405-9412.	2.5	10
17	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
18	Self-association of helical peptides in a lipid environment. <i>The Protein Journal</i> , 2002, 21, 255-264.	1.1	9

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19	Occurrence of antennal glands in ants. <i>Microscopy Research and Technique</i> , 2008, 71, 787-791.	2.2	7
20	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
21	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
22	Guanidinium restores the chromophore but not rapid proton release in bacteriorhodopsin mutant R82Q. <i>Biophysical Journal</i> , 1997, 73, 2711-2717.	0.5	6
23	Transmembrane Helix-Helix Association: Relative Stabilities at Low pH. <i>Biochemistry</i> , 2006, 45, 4371-4377.	2.5	6
24	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
25	A ROLE FOR MENADIONE IN THE PURPLE MEMBRANE PROTON PUMP?. <i>Photochemistry and Photobiology</i> , 1988, 48, 219-221.	2.5	2
26	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
27	Partially unfolded membrane protein has a compact conformation. <i>FASEB Journal</i> , 2006, 20, .	0.5	2
28	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
29	Arthropod repellents and chemosensory reception. , 2022, , 141-162.		1
30	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
31	Water and Carboxyl Group Environments in the Dehydration Blueshift of Bacteriorhodopsin. <i>Photochemistry and Photobiology</i> , 2000, 72, 714-718.	2.5	0
32	Formation of integral membrane protein oligomers. <i>FASEB Journal</i> , 2012, 26, 602.2.	0.5	0
33	Kinetic Mechanism of Lipidprotein Nanodisc Dissociation in Bicelles. <i>FASEB Journal</i> , 2015, 29, 568.24.	0.5	0