

Andrew V Kralicek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2601561/publications.pdf>

Version: 2024-02-01

31
papers

1,430
citations

471061

17
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Drosophila odorant receptors are novel seven transmembrane domain proteins that can signal independently of heterotrimeric G proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 770-780.	1.2	262
2	Interaction of the Escherichia coli Replication Terminator Protein (Tus) with DNA: A Model Derived from DNA-Binding Studies of Mutant Proteins by Surface Plasmon Resonance. <i>Biochemistry</i> , 2000, 39, 11989-11999.	1.2	154
3	Replication Termination in Escherichia coli : Structure and Antihelicase Activity of the Tus- Ter Complex. <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 501-526.	2.9	142
4	Odorant Receptors from the Light brown Apple Moth (Epiphyas postvittana) Recognize Important Volatile Compounds Produced by Plants. <i>Chemical Senses</i> , 2009, 34, 383-394.	1.1	104
5	Induction of vacuolar invertase inhibitor mRNA in potato tubers contributes to cold-induced sweetening resistance and includes spliced hybrid mRNA variants. <i>Journal of Experimental Botany</i> , 2011, 62, 3519-3534.	2.4	89
6	Functional analysis of a Drosophila melanogaster olfactory receptor expressed in Sf9 cells. <i>Journal of Neuroscience Methods</i> , 2007, 159, 189-194.	1.3	71
7	Towards an understanding of the structural basis for insect olfaction by odorant receptors. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 66, 31-41.	1.2	69
8	Biosensing with Insect Odorant Receptor Nanodiscs and Carbon Nanotube Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9530-9538.	4.0	62
9	Insights into subunit interactions within the insect olfactory receptor complex using FRET. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 138-145.	1.2	61
10	An ultrasensitive electrochemical impedance-based biosensor using insect odorant receptors to detect odorants. <i>Biosensors and Bioelectronics</i> , 2019, 126, 207-213.	5.3	60
11	Activation of Cell Division Protein FtsZ. <i>Journal of Biological Chemistry</i> , 2001, 276, 17307-17315.	1.6	53
12	Kinetic and Crystallographic Analysis of Mutant Escherichia coli Aminopeptidase P: Insights into Substrate Recognition and the Mechanism of Catalysis. <i>Biochemistry</i> , 2006, 45, 964-975.	1.2	41
13	Recombinant expression, detergent solubilisation and purification of insect odorant receptor subunits. <i>Protein Expression and Purification</i> , 2013, 90, 160-169.	0.6	31
14	Metallic-semiconducting junctions create sensing hot-spots in carbon nanotube FET aptasensors near percolation. <i>Biosensors and Bioelectronics</i> , 2019, 130, 408-413.	5.3	24
15	Symmetry and secondary structure of the replication terminator protein of Bacillus subtilis: Sedimentation equilibrium and circular dichroic, infrared, and NMR spectroscopic studies. <i>Biochemistry</i> , 1993, 32, 10216-10223.	1.2	21
16	Synergistic improvement in the performance of insect odorant receptor based biosensors in the presence of Orco. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112040.	5.3	20
17	Insect odorant receptor-based biosensors: Current status and prospects. <i>Biotechnology Advances</i> , 2021, 53, 107840.	6.0	19
18	Cell-free synthesis and combinatorial selective ¹⁵ N-labeling of the cytotoxic protein amoebapore A from Entamoeba histolytica. <i>Protein Expression and Purification</i> , 2009, 68, 22-27.	0.6	18

#	ARTICLE	IF	CITATIONS
19	Evaluating Insect Odorant Receptor Display Formats for Biosensing Using Graphene Field Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3610-3617.	2.0	18
20	Reorganization of terminator DNA upon binding replication terminator protein: implications for the functional replication fork arrest complex. <i>Nucleic Acids Research</i> , 1997, 25, 590-596.	6.5	17
21	Determination of the solution structure of a platelet-adhesion peptide of von Willebrand factor. <i>Biochemistry</i> , 1992, 31, 11152-11158.	1.2	13
22	Investigating Electrochemical Stability and Reliability of Gold Electrodeâ€electrolyte Systems to Develop Bioelectronic Nose Using Insect Olfactory Receptor. <i>Electroanalysis</i> , 2019, 31, 726-738.	1.5	13
23	A PCR-directed cell-free approach to optimize protein expression using diverse fusion tags. <i>Protein Expression and Purification</i> , 2011, 80, 117-124.	0.6	12
24	Polymorphism of FtsZ Filaments on Lipid Surfaces: Role of Monomer Orientation. <i>Langmuir</i> , 2013, 29, 9436-9446.	1.6	12
25	Expression and purification of the antimicrobial peptide GSL1 in bacteria for raising antibodies. <i>BMC Research Notes</i> , 2014, 7, 777.	0.6	12
26	Data on liquid gated CNT network FETs on flexible substrates. <i>Data in Brief</i> , 2018, 21, 276-283.	0.5	8
27	Functional implications of large backbone amplitude motions of the glycoprotein 130â€binding epitope of interleukinâ€6. <i>FEBS Journal</i> , 2014, 281, 2471-2483.	2.2	7
28	Insect odorant receptor nanodiscs for sensitive and specific electrochemical detection of odorant compounds. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129243.	4.0	7
29	Data on preparation and characterization of an insect odorant receptor based biosensor. <i>Data in Brief</i> , 2018, 21, 2142-2148.	0.5	6
30	A Cell-Free Expression Screen to Identify Fusion Tags for Improved Protein Expression. <i>Methods in Molecular Biology</i> , 2014, 1118, 35-54.	0.4	4
31	Selection and characterization of DNA aptamers for the rat major urinary protein 13 (MUP13) as selective biorecognition elements for sensitive detection of rat pests. <i>Talanta</i> , 2022, 240, 123073.	2.9	0