Andrew V Kralicek

List of Publications by Year
in descending order

31	1,430	471061 17	454577 30
papers	citations	h-index	g-index

31	31	31	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selection and characterization of DNA aptamers for the rat major urinary protein 13 (MUP13) as selective biorecognition elements for sensitive detection of rat pests. Talanta, 2022, 240, 123073.	2.9	0
2	Insect odorant receptor nanodiscs for sensitive and specific electrochemical detection of odorant compounds. Sensors and Actuators B: Chemical, 2021, 329, 129243.	4.0	7
3	Insect odorant receptor-based biosensors: Current status and prospects. Biotechnology Advances, 2021, 53, 107840.	6.0	19
4	Evaluating Insect Odorant Receptor Display Formats for Biosensing Using Graphene Field Effect Transistors. ACS Applied Electronic Materials, 2020, 2, 3610-3617.	2.0	18
5	Synergistic improvement in the performance of insect odorant receptor based biosensors in the presence of Orco. Biosensors and Bioelectronics, 2020, 153, 112040.	5.3	20
6	Investigating Electrochemical Stability and Reliability of Gold Electrodeâ€electrolyte Systems to Develop Bioelectronic Nose Using Insect Olfactory Receptor. Electroanalysis, 2019, 31, 726-738.	1.5	13
7	Biosensing with Insect Odorant Receptor Nanodiscs and Carbon Nanotube Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 9530-9538.	4.0	62
8	Metallic-semiconducting junctions create sensing hot-spots in carbon nanotube FET aptasensors near percolation. Biosensors and Bioelectronics, 2019, 130, 408-413.	5.3	24
9	An ultrasensitive electrochemical impedance-based biosensor using insect odorant receptors to detect odorants. Biosensors and Bioelectronics, 2019, 126, 207-213.	5.3	60
10	Data on preparation and characterization of an insect odorant receptor based biosensor. Data in Brief, 2018, 21, 2142-2148.	0.5	6
11	Data on liquid gated CNT network FETs on flexible substrates. Data in Brief, 2018, 21, 276-283.	0.5	8
12	Towards an understanding of the structural basis for insect olfaction by odorant receptors. Insect Biochemistry and Molecular Biology, 2015, 66, 31-41.	1.2	69
13	Expression and purification of the antimicrobial peptide GSL1 in bacteria for raising antibodies. BMC Research Notes, 2014, 7, 777.	0.6	12
14	A Cell-Free Expression Screen to Identify Fusion Tags for Improved Protein Expression. Methods in Molecular Biology, 2014, 1118, 35-54.	0.4	4
15	Functional implications of large backbone amplitude motions of the glycoprotein 130â€binding epitope of interleukinâ€6. FEBS Journal, 2014, 281, 2471-2483.	2.2	7
16	Insights into subunit interactions within the insect olfactory receptor complex using FRET. Insect Biochemistry and Molecular Biology, 2013, 43, 138-145.	1.2	61
17	Recombinant expression, detergent solubilisation and purification of insect odorant receptor subunits. Protein Expression and Purification, 2013, 90, 160-169.	0.6	31
18	Polymorphism of FtsZ Filaments on Lipid Surfaces: Role of Monomer Orientation. Langmuir, 2013, 29, 9436-9446.	1.6	12

#	Article	IF	Citations
19	Induction of vacuolar invertase inhibitor mRNA in potato tubers contributes to cold-induced sweetening resistance and includes spliced hybrid mRNA variants. Journal of Experimental Botany, 2011, 62, 3519-3534.	2.4	89
20	A PCR-directed cell-free approach to optimize protein expression using diverse fusion tags. Protein Expression and Purification, 2011, 80, 117-124.	0.6	12
21	Odorant Receptors from the Light brown Apple Moth (Epiphyas postvittana) Recognize Important Volatile Compounds Produced by Plants. Chemical Senses, 2009, 34, 383-394.	1.1	104
22	Cell-free synthesis and combinatorial selective 15N-labeling of the cytotoxic protein amoebapore A from Entamoeba histolytica. Protein Expression and Purification, 2009, 68, 22-27.	0.6	18
23	Drosophila odorant receptors are novel seven transmembrane domain proteins that can signal independently of heterotrimeric G proteins. Insect Biochemistry and Molecular Biology, 2008, 38, 770-780.	1.2	262
24	Functional analysis of a Drosophila melanogaster olfactory receptor expressed in Sf9 cells. Journal of Neuroscience Methods, 2007, 159, 189-194.	1.3	71
25	Kinetic and Crystallographic Analysis of MutantEscherichia coliAminopeptidase P:Â Insights into Substrate Recognition and the Mechanism of Catalysisâ€. Biochemistry, 2006, 45, 964-975.	1.2	41
26	Replication Termination in Escherichia coli : Structure and Antihelicase Activity of the Tus- Ter Complex. Microbiology and Molecular Biology Reviews, 2005, 69, 501-526.	2.9	142
27	Activation of Cell Division Protein FtsZ. Journal of Biological Chemistry, 2001, 276, 17307-17315.	1.6	53
28	Interaction of theEscherichia coliReplication Terminator Protein (Tus) with DNA:Â A Model Derived from DNA-Binding Studies of Mutant Proteins by Surface Plasmon Resonanceâ€. Biochemistry, 2000, 39, 11989-11999.	1.2	154
29	Reorganization of terminator DNA upon binding replication terminator protein: implications for the functional replication fork arrest complex. Nucleic Acids Research, 1997, 25, 590-596.	6.5	17
30	Symmetry and secondary structure of the replication terminator protein of Bacillus subtilis: Sedimentation equilibrium and circular dichroic, infrared, and NMR spectroscopic studies. Biochemistry, 1993, 32, 10216-10223.	1.2	21
31	Determination of the solution structure of a platelet-adhesion peptide of von Willebrand factor. Biochemistry, 1992, 31, 11152-11158.	1.2	13