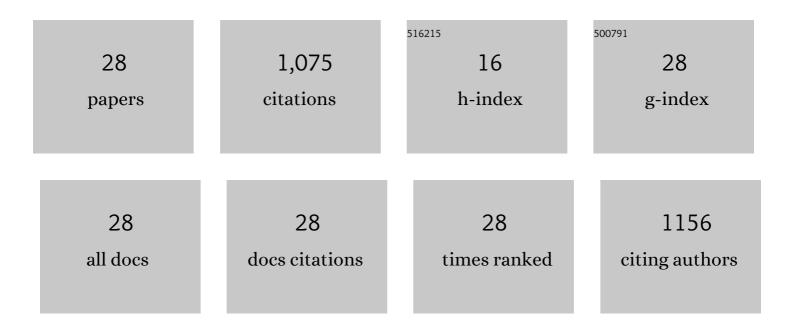
Colm Carraher

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/163075/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Functional incorporation of the insect odorant receptor coreceptor in tethered lipid bilayer nanoarchitectures. Biosensors and Bioelectronics, 2022, 203, 114024.	5.3	3
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	Crystal structure of Epiphyas postvittana pheromone binding protein 3. Scientific Reports, 2020, 10, 16366.	1.6	4
5	Evaluating Insect Odorant Receptor Display Formats for Biosensing Using Graphene Field Effect Transistors. ACS Applied Electronic Materials, 2020, 2, 3610-3617.	2.0	18
6	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
7	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
8	Biosensing with Insect Odorant Receptor Nanodiscs and Carbon Nanotube Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 9530-9538.	4.0	62
9	Metallic-semiconducting junctions create sensing hot-spots in carbon nanotube FET aptasensors near percolation. Biosensors and Bioelectronics, 2019, 130, 408-413.	5.3	24
10	An ultrasensitive electrochemical impedance-based biosensor using insect odorant receptors to detect odorants. Biosensors and Bioelectronics, 2019, 126, 207-213.	5.3	60
11	Data on preparation and characterization of an insect odorant receptor based biosensor. Data in Brief, 2018, 21, 2142-2148.	0.5	6
12	Data on liquid gated CNT network FETs on flexible substrates. Data in Brief, 2018, 21, 276-283.	0.5	8
13	Sequence variation determining stereochemistry of a Δ11 desaturase active in moth sex pheromone biosynthesis. Insect Biochemistry and Molecular Biology, 2016, 74, 68-75.	1.2	22
14	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
15	A novel method to study insect olfactory receptor function using HEK293Âcells. Insect Biochemistry and Molecular Biology, 2014, 54, 22-32.	1.2	50
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	Low Diversity in the Mitogenome of Sperm Whales Revealed by Next-Generation Sequencing. Genome Biology and Evolution, 2013, 5, 113-129.	1.1	37

#	Article	IF	CITATIONS
19	Sex Pheromone Evolution Is Associated with Differential Regulation of the Same Desaturase Gene in Two Genera of Leafroller Moths. PLoS Genetics, 2012, 8, e1002489.	1.5	55
20	Sequence Comparisons of Odorant Receptors among Tortricid Moths Reveal Different Rates of Molecular Evolution among Family Members. PLoS ONE, 2012, 7, e38391.	1.1	13
21	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
22	Patterns of Mitochondrial Haplotype Diversity in the Invasive Pest Epiphyas postvittana (Lepidoptera:) Tj ETQq0 0	0 rgBT /O 0.8	verlock 10 T 18
23	Mitochondrial DNA analysis reveals genetic structure in two New Zealand Cook's petrel (Pterodroma) Tj ETQc	1_1_0.784 0.8	314 rgBT /O
24	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
25	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
26	DNA Diagnostics of Three Armored Scale Species on Kiwifruit in New Zealand. Journal of Economic Entomology, 2008, 101, 1944-1949.	0.8	17
27	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

Estimating the number of whales entering trade using DNA profiling and capture-recapture analysis of
market products. Molecular Ecology, 2007, 16, 2617-2626.
2.0