

Charles W Luetje

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5837866/publications.pdf>

Version: 2024-02-01

29
papers

1,435
citations

471509

17
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Trading amino acids at the aphid- <i>Buchnera</i> symbiotic interface. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16003-16011.	7.1	53
2	Use of machine learning to identify novel, behaviorally active antagonists of the insect odorant receptor co-receptor (Orco) subunit. Scientific Reports, 2019, 9, 4055.	3.3	31
3	Functional and Nonfunctional Forms of CquiOR91, an Odorant Selectivity Subunit of <i>Culex quinquefasciatus</i> . Chemical Senses, 2017, 42, 333-341.	2.0	8
4	Mutant cycle analysis identifies a ligand interaction site in an odorant receptor of the malaria vector <i>Anopheles gambiae</i> . Journal of Biological Chemistry, 2017, 292, 18916-18923.	3.4	15
5	Synthesis, Nicotinic Acetylcholine Receptor Binding, and in Vitro and in Vivo Pharmacological Properties of 2-Fluoro-(substituted thiophenyl)deschloroepibatidine Analogues. ACS Chemical Neuroscience, 2017, 8, 115-127.	3.5	2
6	Inhibition of insect olfactory behavior by an airborne antagonist of the insect odorant receptor co-receptor subunit. PLoS ONE, 2017, 12, e0177454.	2.5	9
7	Mammalian odorant receptor tuning breadth persists across distinct odorant panels. PLoS ONE, 2017, 12, e0185329.	2.5	6
8	Synthesis, Nicotinic Acetylcholine Binding, and in Vitro and in Vivo Pharmacological Properties of 2-Fluoro-(carbamoylpyridinyl)deschloroepibatidine Analogues. ACS Chemical Neuroscience, 2016, 7, 1004-1012.	3.5	5
9	Receptive range analysis of a mouse odorant receptor subfamily. Journal of Neurochemistry, 2015, 134, 47-55.	3.9	7
10	Proton-dependent glutamine uptake by aphid bacteriocyte amino acid transporter ApGLNT1. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2085-2091.	2.6	9
11	In Vitro and in Vivo Neuronal Nicotinic Receptor Properties of (+)- and (S)-Pyrido[3,4]homotropane [(+)- and (S)-PHT]: (+)-PHT Is a Potent and Selective Full Agonist at $\alpha 6 \beta 2$ Containing Neuronal Nicotinic Acetylcholine Receptors. ACS Chemical Neuroscience, 2015, 6, 920-926.	3.5	9
12	Synthesis, nicotinic acetylcholine receptor binding, in vitro and in vivo pharmacology properties of 3-(substituted pyridinyl)-deschloroepibatidine analogs. Bioorganic and Medicinal Chemistry, 2015, 23, 5693-5701.	3.0	1
13	Discovery of Novel Ligands for Mouse Olfactory Receptor MOR42-3 Using an In Silico Screening Approach and In Vitro Validation. PLoS ONE, 2014, 9, e92064.	2.5	34
14	Aphid amino acid transporter regulates glutamine supply to intracellular bacterial symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 320-325.	7.1	110
15	A Determinant of Odorant Specificity Is Located at the Extracellular Loop 2-Transmembrane Domain 4 Interface of an <i>Anopheles gambiae</i> Odorant Receptor Subunit. Chemical Senses, 2014, 39, 761-769.	2.0	44
16	Trace amines inhibit insect odorant receptor function through antagonism of the co-receptor subunit. F1000Research, 2014, 3, 84.	1.6	23
17	Functional Assay of Mammalian and Insect Olfactory Receptors Using <i>Xenopus</i> Oocytes. Methods in Molecular Biology, 2013, 1003, 187-202.	0.9	9
18	Phenylthiophenecarboxamide Antagonists of the Olfactory Receptor Co-Receptor Subunit from a Mosquito. PLoS ONE, 2013, 8, e84575.	2.5	20

#	ARTICLE	IF	CITATIONS
19	A broadly tuned mouse odorant receptor that detects nitrotoluenes. <i>Journal of Neurochemistry</i> , 2012, 121, 881-890.	3.9	31
20	Sequencing and characterizing odorant receptors of the cerambycid beetle <i>Megacyllene caryae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 499-505.	2.7	124
21	Identification of New Agonists and Antagonists of the Insect Odorant Receptor Co-Receptor Subunit. <i>PLoS ONE</i> , 2012, 7, e36784.	2.5	60
22	Subunit Contributions to Insect Olfactory Receptor Function: Channel Block and Odorant Recognition. <i>Chemical Senses</i> , 2011, 36, 781-790.	2.0	81
23	Odorant Receptor from the Southern House Mosquito Narrowly Tuned to the Oviposition Attractant Skatole. <i>Journal of Chemical Ecology</i> , 2010, 36, 797-800.	1.8	80
24	Sex Pheromone Receptor Specificity in the European Corn Borer Moth, <i>Ostrinia nubilalis</i> . <i>PLoS ONE</i> , 2010, 5, e8685.	2.5	138
25	Transmembrane Segment 3 of <i>Drosophila melanogaster</i> Odorant Receptor Subunit 85b Contributes to Ligand-Receptor Interactions. <i>Journal of Biological Chemistry</i> , 2010, 285, 11854-11862.	3.4	93
26	An Odorant Receptor from the Southern House Mosquito <i>Culex pipiens quinquefasciatus</i> Sensitive to Oviposition Attractants. <i>PLoS ONE</i> , 2010, 5, e10090.	2.5	124
27	Molecular receptive range variation among mouse odorant receptors for aliphatic carboxylic acids. <i>Journal of Neurochemistry</i> , 2009, 109, 193-202.	3.9	21
28	A honey bee odorant receptor for the queen substance 9-oxo-2-decenoic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14383-14388.	7.1	198
29	Functional analysis of a mammalian odorant receptor subfamily. <i>Journal of Neurochemistry</i> , 2006, 97, 1506-1518.	3.9	88