

Takeshi Sakurai

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

736
citations

1163117

8
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of odorant biosensors based on insect olfactory system. Journal of Japan Association on Odor Environment, 2022, 53, 3-16.	0.0	0
2	Identification of Exploration and Exploitation Balance in the Silkmoth Olfactory Search Behavior by Information-Theoretic Modeling. Frontiers in Computational Neuroscience, 2021, 15, 629380.	2.1	7
3	Pheromone binding protein is involved in temporal olfactory resolution in the silkmoth. IScience, 2021, 24, 103334.	4.1	4
4	Reconstruction of Odor Biosensors Based on Insect Olfaction. The Brain & Neural Networks, 2021, 28, 162-171.	0.1	1
5	DETERMINATION OF FACTORS RELATED TO ADOPTION OF MODERN DAIRY FARMING IN SELECTED AREAS OF MYMENSINGH IN BANGLADESH. Journal of Sustainability Science and Management, 2021, 16, 218-228.	0.5	2
6	Pheromonal activities of the bombykol isomer, (10E,12E)-10,12-hexadecadien-1-ol, in the pheromone gland of the silkmoth Bombyx mori. Journal of Insect Physiology, 2020, 121, 104018.	2.0	1
7	Highly effective volatile organic compound dissolving strategy based on mist atomization for odorant biosensors. Analytica Chimica Acta, 2020, 1139, 178-188.	5.4	7
8	Real-Time Odor Discrimination Using Single Antenna of Insect. , 2020, 4, 1-4.		1
9	Silencing of OBP genes: Generation of loss-of-function mutants of PBP by genome editing. Methods in Enzymology, 2020, 642, 325-344.	1.0	1
10	Analysis of the role of wind information for efficient chemical plume tracing based on optogenetic silkworm moth behavior. Bioinspiration and Biomimetics, 2019, 14, 046006.	2.9	9
11	High-Speed Volatile Odorant Molecule Dissolving Strategy for Cell-Based Odorant Sensors. , 2019, , .		0
12	Application of Insect Odorant Receptors for the Detection of Human-Derived Odorants. , 2019, , .		1
13	Time-Varying Moth-Inspired Algorithm for Chemical Plume Tracing in Turbulent Environment. IEEE Robotics and Automation Letters, 2018, 3, 76-83.	5.1	37
14	In vivo functional characterisation of pheromone binding protein-1 in the silkmoth, Bombyx mori. Scientific Reports, 2018, 8, 13529.	3.3	32
15	A novel method for full locomotion compensation of an untethered walking insect. Bioinspiration and Biomimetics, 2017, 12, 016005.	2.9	17
16	Molecular and neural mechanisms of sex pheromone reception and processing in the silkmoth Bombyx mori. Frontiers in Physiology, 2014, 5, 125.	2.8	68
17	Odorant Concentration Differentiator for Intermittent Olfactory Signals. Journal of Neuroscience, 2014, 34, 16581-16593.	3.6	22
18	Pheromone responsiveness threshold depends on temporal integration by antennal lobe projection neurons. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15455-15460.	7.1	50

#	ARTICLE	IF	CITATIONS
19	A Single Sex Pheromone Receptor Determines Chemical Response Specificity of Sexual Behavior in the Silkworm <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2011, 7, e1002115.	3.5	110
20	Identification and functional characterization of a sex pheromone receptor in the silkworm <i>Bombyx mori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16653-16658.	7.1	366