Gert Stange

List of Publications by Year
in descending order

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23 papers	900 citations	471509 17 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	639 citing authors

#	Article	IF	Citations
1	The ocellar component of flight equilibrium control in dragonflies. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1981, 141, 335-347.	1.6	106
2	Carbon-dioxide sensing structures in terrestrial arthropods. Microscopy Research and Technique, 1999, 47, 416-427.	2.2	104
3	Volatile Organic Compounds as Signals in a Plant-Herbivore System: Electrophysiological Responses in Olfactory Sensilla of the Moth Cactoblastis cactorum. Chemical Senses, 2005, 30, 51-68.	2.0	89
4	An Ocellar Dorsal Light Response in A Dragonfly. Journal of Experimental Biology, 1979, 83, 351-355.	1.7	72
5	Effects of changes in atmospheric carbon dioxide on the location of hosts by the moth, Cactoblastis cactorum. Oecologia, 1997, 110, 539-545.	2.0	61
6	High resolution measurement of atmospheric carbon dioxide concentration changes by the labial palp organ of the moth Heliothis armigera (Lepidoptera: Noctuidae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1992, 171, 317.	1.6	56
7	Bioinspired Engineering of Exploration Systems: A Horizon Sensor/Attitude Reference System Based on the Dragonfly Ocelli for Mars Exploration Applications. Journal of Field Robotics, 2003, 20, 35-42.	0.7	45
8	Carbon Dioxide Is a Close-Range Oviposition Attractant in the Queensland Fruit Fly Bactrocera tryoni. Die Naturwissenschaften, 1999, 86, 190-192.	1.6	39
9	Form vision in the insect dorsal ocelli: An anatomical and optical analysis of the dragonfly median ocellus. Vision Research, 2007, 47, 1394-1409.	1.4	36
10	The mapping of visual space by dragonfly lateral ocelli. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 495-513.	1.6	36
11	The mapping of visual space by identified large second-order neurons in the dragonfly median ocellus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 1105-1123.	1.6	32
12	The response of the honeybee antennal CO2-receptors to N2O and Xe. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1973, 86, 139-158.	1.6	31
13	Form vision in the insect dorsal ocelli: An anatomical and optical analysis of the Locust Ocelli. Vision Research, 2007, 47, 1382-1393.	1.4	29
14	Effect of elevated atmospheric CO2 on oviposition behavior in Manduca sexta moths. Global Change Biology, 2005, 11, 1272-1282.	9.5	28
15	Curiosity and context revisited: crassulacean acid metabolism in the Anthropocene. Journal of Experimental Botany, 2007, 59, 1489-1502.	4.8	28
16	A Spatiotemporal White Noise Analysis of Photoreceptor Responses to UV and Green Light in the Dragonfly Median Ocellus. Journal of General Physiology, 2005, 126, 481-497.	1.9	27
17	Moth response to climate. Nature, 1993, 365, 699-699.	27.8	20
18	Directional Selectivity in the Simple Eye of an Insect. Journal of Neuroscience, 2008, 28, 2845-2855.	3.6	19

#	Article	IF	Citations
19	The Site of Action of General Anaesthetics in Insect Olfactory Receptor Neurons. Chemical Senses, 1995, 20, 423-432.	2.0	17
20	The influence of a carbonic anhydrase inhibitor on the function of the honeybee antennal CO2-receptors. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1974, 91, 147-159.	1.6	9
21	Applicability of White-Noise Techniques to Analyzing Motion Responses. Journal of Neurophysiology, 2010, 103, 2642-2651.	1.8	7
22	Synchronization of wing beat cycle of the desert locust, Schistocerca gregaria, by periodic light flashes. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2010, 196, 199-211.	1.6	5
23	Linear Relation Between Stimulus Concentration and Primary Transduction Process in Insect CO2 â€" Receptors. , 1975, , 207-211.		4