

# Lutz Thilo Wasserthal

## List of Publications by Year in descending order

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Version: 2024-02-01

9  
papers

266  
citations

1163117  
8  
h-index

1474206  
9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray computed tomography study of the flight-adapted tracheal system in the blowfly <i>Calliphora vicina</i> analysing the ventilation mechanism and flow-directing valves. <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	12
2	Structure of the thoracic spiracular valves and their contribution to the unidirectional gas exchange in flying blowflies <i>Calliphora vicina</i> . <i>Journal of Experimental Biology</i> , 2016, 220, 208-219.	1.7	6
3	Flight-motor-driven respiratory airflow increases tracheal oxygen to nearly atmospheric level in blowflies ( <i>Calliphora vicina</i> ). <i>Journal of Experimental Biology</i> , 2015, 218, 2201-2210.	1.7	9
4	Periodic heartbeat reversals cause cardiogenic inspiration and expiration with coupled spiracle leakage in resting blowflies <i>Calliphora vicina</i> R.-D.. <i>Journal of Experimental Biology</i> , 2014, 217, 1543-54.	1.7	13
5	Influence of periodic heartbeat reversal and abdominal movements on hemocoelic and tracheal pressure in resting blowflies <i>Calliphora vicina</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 362-373.	1.7	23
6	<i>Drosophila</i> flies combine periodic heartbeat reversal with a circulation in the anterior body mediated by a newly discovered anterior pair of ostial valves and 'venous' channels. <i>Journal of Experimental Biology</i> , 2007, 210, 3707-3719.	1.7	90
7	Flight-motor-driven respiratory air flow in the hawkmoth <i>Manduca sexta</i> . <i>Journal of Experimental Biology</i> , 2001, 204, 2209-2220.	1.7	35
8	Functional morphology of the heart and of a new cephalic pulsatile organ in the blowfly <i>Calliphora vicina</i> (Diptera: Calliphoridae) and their roles in hemolymph transport and tracheal ventilation. <i>Arthropod Structure and Development</i> , 1999, 28, 111-129.	0.4	36
9	Oscillating haemolymph circulation and discontinuous tracheal ventilation in the giant silk moth <i>Attacus atlas</i> L.. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1981, 145, 1-15.	1.5	42