

Lutz Thilo Wasserthal

List of Publications by Year in descending order

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9
papers

266
citations

1163117
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docs citations

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times ranked

178
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | <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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 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 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |