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**CONTRIBUTIONS TO THE J. FISH BIOL. SPECIAL ISSUE ON METABOLIC RATE IN FISHES**

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**REVIEW AND PERSPECTIVES ARTICLES**

AUTHOR(S)	TITLE
J.A. Nelson.	Oxygen consumption rate versus rate of energy utilisation of fishes: A comparison and brief history of the two measurements
M.B.S. Svendsen et al.	Design and setup of intermittent-flow respirometry systems for aquatic organisms
M.B.S. Svendsen et al.	Sources of variation in oxygen consumption of aquatic animals demonstrated by simulated constant oxygen consumption and different size respirometers
T.D. Clark et al.	Experimental methods in measuring oxygen consumption rates: the importance of mixing devices and background respiration
J.C. Svendsen et al.	A student laboratory investigation of the measurement and significance of aerobic metabolic scope and environmental hypoxia in aquatic breathers
D. Chabot et al.	The measurement of standard metabolic rate in fishes
T.D. Clark et al.	Measurement and relevance of maximum metabolic rate in fishes
D. Chabot et al.	The measurement of specific dynamic action in fishes
M.A. Peck & M. Moyano.	Measuring metabolic rate of fish larvae
S. Lefevre et al.	Measuring metabolic rate of air-breathing fishes
S. Snyder et al.	Effect of closed versus intermittent-flow respirometry on hypoxia tolerance in aquatic breathers
G. Claireaux & D. Chabot	Responses by fishes to environmental hypoxia: integration through Fry's concept of aerobic metabolic scope
A.P. Farrell	Pragmatic perspective on performance: peaking, plummeting, pejus and apportioning
J.D. Metcalfe et al.	Recent advances in telemetry for estimating the energy metabolism of wild fishes
E.C. Enders & D. Boisclair	Effects of environmental fluctuations on fish metabolism - Atlantic salmon <i>Salmo salar</i> as a case study
E.J. Eliason & A.P. Farrell	Oxygen uptake in Pacific salmon: When ecology and physiology meet
N.B. Metcalfe et al.	Does individual variation in metabolic phenotype predict fish behaviour and performance?
C. Jørgensen et al.	Integrating models of fish bioenergetics with survival trade-offs

**RESEARCH ARTICLES**

AUTHOR(S)	TITLE
J.M.D. Lea et al.	Kinematics and energetics of swimming performance during acute warming in brown trout <i>Salmo trutta</i>
S. Lefevre et al.	Increased temperature tolerance of the air-breathing Asian swamp eel <i>Monopterus albus</i> after high-temperature acclimation is not explained by improved cardio-respiratory performance.
J. Lucas & C. Lefrançois	Trophic contamination by pyrolytic polycyclic aromatic hydrocarbons does not affect aerobic metabolic scope in zebrafish <i>Danio rerio</i>

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