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References

Leatherland:1986:P

- [1] John F. Leatherland. Preface. *Fish Physiology and Biochemistry*, 1(1):1, January 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02309587>.

Hoar:1986:NSL

- [2] William S. Hoar. A new serial in the life sciences. What does this mean? *Fish Physiology and Biochemistry*, 1(1):3–6, January 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02309588>.

Walton:1986:MEF

- [3] Michael J. Walton. Metabolic effects of feeding a high protein/low carbohydrate diet as compared to a low protein/high carbohydrate diet to rainbow trout *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 1(1):7–15, January 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02309589>.

Ando:1986:PDP

- [4] Seiichi Ando, Mutsuo Hatano, and Kōichi Zama. Protein degradation and protease activity of chum salmon (*Oncorhynchus keta*) muscle during spawning migration. *Fish Physiology and Biochemistry*, 1

(1):17–26, January 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02309590>.

Leray:1986:EDL

- [5] C. Leray, G. Nonnotte, and L. Nonnotte. The effect of dietary lipids on the trout erythrocyte membrane. *Fish Physiology and Biochemistry*, 1(1):27–35, January 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02309591>.

Abel:1986:EPF

- [6] D. C. Abel, J. B. Graham, and R. Shabetai. Elasmobranch pericardial function. 1. Pericardial pressures are not always negative. *Fish Physiology and Biochemistry*, 1(2):75–83, May 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290207>.

Beamish:1986:DCG

- [7] F. W. H. Beamish, J. W. Hilton, and S. J. Slinger. Dietary carbohydrate and growth, body composition and heat increment in rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 1(2):85–91, May 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290208>.

Morito:1986:TDS

- [8] Caryl L. H. Morito, Debbie H. Conrad, and John W. Hilton. The thiamin deficiency signs and requirement of rainbow trout (*Salmo gairdneri*, Richardson). *Fish Physiology and Biochemistry*, 1(2):93–104, May 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290209>.

Andersson:1986:CPD

- [9] Tommy Andersson. Cytochrome P-450-dependent metabolism in isolated liver cells from fed and starved rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 1(2):105–111, May 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290210>.

Foster:1986:CLM

- [10] Glen D. Foster and T. W. Moon. Cortisol and liver metabolism of immature American eels, *Anguilla rostrata* (LeSueur). *Fish Physiology and*

Biochemistry, 1(2):113–124, May 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290211>.

Dabrowski:1986:AML

- [11] Konrad R. Dabrowski. Active metabolism in larval and juvenile fish: ontogenetic changes, effect of water temperature and fasting. *Fish Physiology and Biochemistry*, 1(3):125–144, June 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290254>.

Degani:1986:ETT

- [12] Gad Degani and Carlos Dosoretz. The effect of 3,3', 5-triiodo-L-thyronine and 17- α -methyltestosterone on growth and body composition of the glass stage of the eel (*Anguilla anguilla* L.). *Fish Physiology and Biochemistry*, 1(3):145–151, June 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290255>.

Smith:1986:UCP

- [13] Carol Johnson Smith and E. Gordon Grau. Ultrastructural changes in the parrotfish thyroid after *in vitro* stimulation with bovine thyrotropin. *Fish Physiology and Biochemistry*, 1(3):153–162, June 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290256>.

Pankhurst:1986:EDA

- [14] N. W. Pankhurst, G. van der Kraak, and B. Breton. Effects of (D-Ala⁶, Pro⁹ N ethylamide) — LHRH on plasma levels of gonadotropin, 17 α , 20 β -dihydroxy-4-pregnen-3-one and testosterone in male goldeye (*Iiodon alosoides rafineque*). *Fish Physiology and Biochemistry*, 1(3):163–170, June 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02290257>.

Eales:1986:EEI

- [15] J. G. Eales, Daniel G. Cyr, and Robert F. Cook. Effect of excess iodide on thyroid function of rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 1(4):171–177, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311133>.

Kraak:1986:SCC

- [16] Glen Van Der Kraak and Edward M. Donaldson. Steroidogenic capacity of Coho salmon ovarian follicles throughout the periovulatory period. *Fish Physiology and Biochemistry*, 1(4):179–186, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311134>.

Hodson:1986:AWS

- [17] P. V. Hodson, J. W. Hilton, and S. J. Slinger. Accumulation of waterborne selenium by rainbow trout (*Salmo gairdneri*), eggs, fry and juveniles. *Fish Physiology and Biochemistry*, 1(4):187–196, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311135>.

Habibi:1986:SGO

- [18] Hamid R. Habibi and Charles A. Lessman. A study of goldfish oocyte meiosis *in vitro*: effects of 2,4-dinitrophenol and adenosine-5-triphosphate. *Fish Physiology and Biochemistry*, 1(4):197–205, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311136>.

Anonymous:1986:RMR

- [19] Anonymous. Reviewers of manuscripts received in 1985. *Fish Physiology and Biochemistry*, 1(4):207–208, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311137>.

Anonymous:1986:CAE

- [20] Anonymous. Conference announcement ecological and evolutionary ethology of fishes. *Fish Physiology and Biochemistry*, 1(4):209–210, September 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02311138>.

Planas:1986:F

- [21] J. Planas, M. Carrillo, and S. Zanuy. Foreword. *Fish Physiology and Biochemistry*, 2(1-4):1, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264068>.

Purdom:1986:GTC

- [22] C. E. Purdom. Genetic techniques for control of sexuality in fish farming. *Fish Physiology and Biochemistry*, 2(1-4):3–8, October 1986. CODEN

FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264069>.

Donaldson:1986:IDA

- [23] Edward M. Donaldson. The integrated development and application of controlled reproduction techniques in Pacific salmonid aquaculture. *Fish Physiology and Biochemistry*, 2(1-4):9–24, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264070>.

Kah:1986:CRR

- [24] Olivier Kah. Central regulation of reproduction in teleosts. *Fish Physiology and Biochemistry*, 2(1-4):25–34, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264071>.

Duston:1986:PMR

- [25] James Duston and Niall Bromage. Photoperiodic mechanisms and rhythms of reproduction in the female rainbow trout. *Fish Physiology and Biochemistry*, 2(1-4):35–51, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264072>.

Zanuy:1986:DGS

- [26] S. Zanuy, M. Carrillo, and F. Ruiz. Delayed gametogenesis and spawning of sea bass (*Dicentrarchus labrax* L.) kept under different photoperiod and temperature regimes. *Fish Physiology and Biochemistry*, 2(1-4):53–63, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264073>.

Jalabert:1986:ROM

- [27] B. Jalabert and B. Finet. Regulation of oocyte maturation in the rainbow trout, *Salmo gairdneri*: role of cyclic AMP in the mechanism of action of the maturation inducing steroid (MIS), 17 α -hydroxy, 20 β -dihydroprogesterone. *Fish Physiology and Biochemistry*, 2(1-4):65–74, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264074>.

Yaron:1986:FGO

- [28] Zvi Yaron and Berta Levavi-Zermonskey. Fluctuations in gonadotropin and ovarian steroids during the annual cycle and spawning of the common carp.

Fish Physiology and Biochemistry, 2(1-4):75–86, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264075>.

Fostier:1986:SRT

- [29] Alexis Fostier and Bernard Jalabert. Steroidogenesis in rainbow trout (*Salmo gairdneri*) at various preovulatory stages: changes in plasma hormone levels and *in vivo* and *in vitro* responses of the ovary to salmon gonadotropin. *Fish Physiology and Biochemistry*, 2(1-4):87–99, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264076>.

Lambert:1986:GSP

- [30] J. G. D. Lambert, R. van den Hurk, and P. G. W. J. van Oordt. Gonadal steroidogenesis and the possible role of steroid glucuronides as sex pheromones in two species of teleosts. *Fish Physiology and Biochemistry*, 2(1-4):101–107, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264077>.

Bieniarz:1986:EPL

- [31] K. Bieniarz, P. Epler, and M. Sokołowska. Effects of pimozone and LHRHa on carp (*Cyprinus carpio* L.) oocyte maturation and ovulation *in vivo*. *Fish Physiology and Biochemistry*, 2(1-4):109–114, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264078>.

Billard:1986:BGS

- [32] R. Billard, R. Christen, and A. Saad. Biology of the gametes of some teleost species. *Fish Physiology and Biochemistry*, 2(1-4):115–120, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264079>.

Luquet:1986:INR

- [33] P. Luquet and T. Watanabe. Interaction “nutrition-reproduction” in fish. *Fish Physiology and Biochemistry*, 2(1-4):121–129, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264080>.

Kaushik:1986:EEF

- [34] Sadasivam J. Kaushik. Environmental effects on feed utilization. *Fish Physiology and Biochemistry*, 2(1-4):131–140, October 1986. CODEN

FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264081>.

Matty:1986:NHG

- [35] A. J. Matty. Nutrition, hormones and growth. *Fish Physiology and Biochemistry*, 2(1-4):141–150, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264082>.

Tucker:1986:UAS

- [36] Barbee W. Tucker and John E. Halver. Utilization of ascorbate-2-sulfate in fish. *Fish Physiology and Biochemistry*, 2(1-4):151–160, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264083>.

Walton:1986:DRR

- [37] M. J. Walton, C. B. Cowey, and J. W. Adron. Dietary requirements of rainbow trout for tryptophan, lysine and arginine determined by growth and biochemical measurements. *Fish Physiology and Biochemistry*, 2(1-4):161–169, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264084>.

Cowey:1986:RNF

- [38] C. B. Cowey. The role of nutritional factors in the prevention of peroxidative damage to tissues. *Fish Physiology and Biochemistry*, 2(1-4):171–178, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264085>.

Chan:1986:CRB

- [39] D. K. O. Chan. Cardiovascular, respiratory, and blood adjustments to hypoxia in the Japanese eel, *Anguilla japonica*. *Fish Physiology and Biochemistry*, 2(1-4):179–193, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264086>.

Anonymous:1986:CA

- [40] Anonymous. Conference announcement. *Fish Physiology and Biochemistry*, 2(1-4):197–198, October 1986. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02264087>.

Johnston:1987:MUM

- [41] Ian A. Johnston and Paul Harrison. Morphometrics and ultrastructure of myocardial tissue in notothenioid fishes. *Fish Physiology and Biochemistry*, 3(1):1–6, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183988>.

Nelson:1987:SRN

- [42] Jay A. Nelson and John J. Magnuson. Seasonal, reproductive, and nutritional influences on muscle “buffering capacity” in yellow perch (*Perca flavescens*). *Fish Physiology and Biochemistry*, 3(1):7–16, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183989>.

Mangor-Jensen:1987:WBD

- [43] A. Mangor-Jensen. Water balance in developing eggs of the cod *Gadus morhua* L. *Fish Physiology and Biochemistry*, 3(1):17–24, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183990>.

Iwata:1987:WAT

- [44] Munehico Iwata, Richard S. Nishioka, and Howard A. Bern. Whole animal transepithelial potential (TEP) of Coho salmon during the parr-smolt transformation and effects of thyroxine, prolactin and hypophysectomy. *Fish Physiology and Biochemistry*, 3(1):25–38, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183991>.

Olsson:1987:VHM

- [45] Per-Erik Olsson, Carl Haux, and Lars Förllin. Variations in hepatic metallothionein, zinc and copper levels during an annual reproductive cycle in rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 3(1):39–47, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183992>.

Kime:1987:GIC

- [46] David E. Kime and Krzysztof Bieniarz. Gonadotropin-induced changes in steroid production by ovaries of the common carp *Cyprinus carpio* L. around the time of ovulation. *Fish Physiology and Biochemistry*, 3(1):49–52, January 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183993>.

Takahashi:1987:RTP

- [47] Akiyoshi Takahashi, Hiroshi Kawauchi, and Tetsuya Hirano. A radioimmunoassay for N-terminal peptide of chum salmon proopiomelanocortin. *Fish Physiology and Biochemistry*, 3(2):53–61, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02182999>.

Nishioka:1987:ETS

- [48] Richard S. Nishioka, E. Gordon Grau, and Howard A. Bern. Effect of thyroid-stimulating hormone on the physiology and morphology of the thyroid gland in Coho salmon, *Oncorhynchus kisutch*. *Fish Physiology and Biochemistry*, 3(2):63–71, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183000>.

Leatherland:1987:ETH

- [49] J. F. Leatherland, J. W. Hilton, and S. J. Slinger. Effects of thyroid hormone supplementation of canola meal-based diets on growth, and interrenal and thyroid gland physiology of rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 3(2):73–82, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183001>.

Heming:1987:EAI

- [50] Thomas A. Heming, David J. Randall, and Madeleine M. Mazeaud. Effects of adrenaline on ionic equilibria in red blood cells of rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 3(2):83–90, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183002>.

Lipke:1987:CAC

- [51] D. W. Lipke, R. L. Thomas, and K. R. Olson. Characterization of angiotensin-converting enzyme in the gills of rainbow trout, *Salmo gairdneri* (Richardson). *Fish Physiology and Biochemistry*, 3(2):91–97, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183003>.

Mangor-Jensen:1987:DAN

- [52] A. Mangor-Jensen and G. R. Adoff. Drinking activity of the newly hatched larvae of cod *Gadus morhua* L. *Fish Physiology and Biochemistry*, 3(2):99–103, March 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02183004>.

Randall:1987:ADE

- [53] David J. Randall and Patricia A. Wright. Ammonia distribution and excretion in fish. *Fish Physiology and Biochemistry*, 3(3):107–120, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180412>.

Pottinger:1987:ALE

- [54] T. G. Pottinger and A. D. Pickering. Androgen levels and erythrocytosis in maturing brown trout, *Salmo trutta* L. *Fish Physiology and Biochemistry*, 3(3):121–126, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180413>.

Eales:1987:TFT

- [55] J. G. Eales and S. Shostak. Total and free thyroid hormones in plasma of tropical marine teleost fish. *Fish Physiology and Biochemistry*, 3(3):127–131, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180414>.

Hardy:1987:ABD

- [56] Ronald W. Hardy, Craig V. Sullivan, and Ann M. Koziol. Absorption, body distribution, and excretion of dietary zinc by rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 3(3):133–143, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180415>.

Haller:1987:SOA

- [57] T. Haller and R. Lackner. Screening for organic acids in fish tissues with special reference to the distribution of taurine in *Rutilus rutilus* L. *Fish Physiology and Biochemistry*, 3(3):145–149, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180416>.

Wieser:1987:DPL

- [58] W. Wieser, R. Lackner, and U. Platzer. Distribution and properties of lactate dehydrogenase isoenzymes in red and white muscle of freshwater fish. *Fish Physiology and Biochemistry*, 3(3):151–162, May 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180417>.

Nimmo:1987:GTF

- [59] I. A. Nimmo. The glutathione S-transferases of fish. *Fish Physiology and Biochemistry*, 3(4):163–172, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180277>.

Desjardins:1987:ICO

- [60] L. M. Desjardins, B. D. Hicks, and J. W. Hilton. Iron catalyzed oxidation of trout diets and its effect on the growth and physiological response of rainbow trout. *Fish Physiology and Biochemistry*, 3(4):173–182, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180278>.

Medale:1987:RPH

- [61] Françoise Medale, J. P. Parent, and Françoise Vellas. Responses to prolonged hypoxia by rainbow trout (*Salmo gairdneri*) I. Free amino acids and proteins in plasma, liver and white muscle. *Fish Physiology and Biochemistry*, 3(4):183–189, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180279>.

Lal:1987:CTL

- [62] Bechan Lal and T. P. Singh. Changes in tissue lipid levels in the freshwater catfish *Clarias batrachus* associated with the reproductive cycle. *Fish Physiology and Biochemistry*, 3(4):191–201, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180280>.

Goetz:1987:HCD

- [63] Frederick W. Goetz, Alexis Y. Fostier, and Bernard Jalabert. Hormonal changes during meiotic maturation and ovulation in the brook trout (*Salvelinus fontinalis*). *Fish Physiology and Biochemistry*, 3(4):203–211, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180281>.

Anonymous:1987:A

- [64] Anonymous. Announcement. *Fish Physiology and Biochemistry*, 3(4):ii, June 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02180282>.

Graham:1987:SOP

- [65] Mark Graham. The solubility of oxygen in physiological salines. *Fish Physiology and Biochemistry*, 4(1):1–4, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073860>.

Abel:1987:EPF

- [66] D. C. Abel, W. R. Lowell, and R. Shabetai. Elasmobranch pericardial function 2. The influence of pericardial pressure on cardiac stroke volume in horn sharks and blue sharks. *Fish Physiology and Biochemistry*, 4(1):5–14, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073861>.

Pankhurst:1987:SCR

- [67] N. W. Pankhurst and A. M. Conroy. Seasonal changes in reproductive condition and plasma levels of sex steroids in the blue cod, *Parapercis colias* (Bloch and Schneider) (Mugiloididae). *Fish Physiology and Biochemistry*, 4(1):15–26, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073862>.

Pfeiler:1987:FAA

- [68] Edward Pfeiler. Free amino acids in metamorphosing bonefish (*Albula* sp.) leptocephali. *Fish Physiology and Biochemistry*, 4(1):27–36, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073863>.

White:1987:PNL

- [69] Ann White and Thelma C. Fletcher. Polar and neutral lipid composition of the gonads and serum of the plaice, *Pleuronectes platessa* L. *Fish Physiology and Biochemistry*, 4(1):37–43, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073864>.

Chiu:1987:IAD

- [70] Yvonne N. Chiu, Richard E. Austic, and Gary L. Rumsey. Interactions among dietary minerals, arginine and lysine in rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 4(1):45–55, July 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02073865>.

Luczynski:1987:SHE

- [71] M. Luczynski, J. Strzeczek, and P. Brzuzan. Secretion of hatching enzyme and its proteolytic activity in coregoninae (*Coregonus albula* L. and *C. lavaretus* L.) embryos. *Fish Physiology and Biochemistry*, 4(2): 57–62, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044314>.

Galloway:1987:OCR

- [72] R. Galloway, I. C. Potter, and R. W. Hilliard. Oxygen consumption and responses to hypoxia of ammocoetes of the southern hemisphere lamprey *Geotria australis*. *Fish Physiology and Biochemistry*, 4(2):63–72, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044315>.

Farrell:1987:AEC

- [73] A. P. Farrell and J. F. Steffensen. An analysis of the energetic cost of the branchial and cardiac pumps during sustained swimming in trout. *Fish Physiology and Biochemistry*, 4(2):73–79, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044316>.

Hochachka:1987:APC

- [74] P. W. Hochachka and R. W. Brill. Autocatalytic pathways to cell death: A new analysis of the tuna burn problem. *Fish Physiology and Biochemistry*, 4(2):81–87, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044317>.

Eastman:1987:RCD

- [75] J. T. Eastman, R. B. Boyd, and A. L. DeVries. Renal corpuscle development in boreal fishes with and without antifreezes. *Fish Physiology and Biochemistry*, 4(2):89–100, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044318>.

Hasegawa:1987:OAC

- [76] S. Hasegawa, T. Hirano, and S. Arai. Osmoregulatory ability of chum salmon, *Oncorhynchus keta*, reared in fresh water for prolonged periods. *Fish Physiology and Biochemistry*, 4(2):101–110, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044319>.

Anonymous:1987:FIS

- [77] Anonymous. First international symposium on fish endocrinology. *Fish Physiology and Biochemistry*, 4(2):111, September 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02044320>.

Hilton:1987:DOP

- [78] J. W. Hilton, E. M. Plisetskaya, and J. F. Leatherland. Does oral 3,5,3 *l*-triiodo-l-thyronine affect dietary glucose utilization and plasma insulin levels in rainbow trout (*Salmo gairdneri*)? *Fish Physiology and Biochemistry*, 4(3):113–120, October 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02110878>.

Sullivan:1987:ETP

- [79] Craig V. Sullivan, Douglas S. Darling, and Walton W. Dickhoff. Effects of triiodothyronine and propylthiouracil on thyroid function and smoltification of Coho salmon (*Oncorhynchus kisutch*). *Fish Physiology and Biochemistry*, 4(3):121–135, October 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02110879>.

Gutierrez:1987:ACP

- [80] J. Gutiérrez, J. Fernández, and J. Planas. Annual cycle of plasma insulin and glucose of sea bass. *Dicentrarchus labrax*, L. *Fish Physiology and Biochemistry*, 4(3):137–141, October 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02110880>.

Aldman:1987:CGM

- [81] Göran Aldman and Susanne Holmgren. Control of gallbladder motility in the rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 4(3):143–155, October 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02110881>.

Virtanen:1987:PRC

- [82] Erkki Virtanen and Leena Forsman. Physiological responses to continuous swimming in wild salmon (*Salmo salar* L.) parr and smolt. *Fish Physiology and Biochemistry*, 4(3):157–163, October 1987. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02110882>.

Watt:1988:PST

- [83] P. W. Watt, P. A. Marshall, and G. Goldspink. Protein synthesis in tissues of fed and starved carp, acclimated to different temperatures. *Fish Physiology and Biochemistry*, 4(4):165–173, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871743>.

Pfeiler:1988:IPC

- [84] Edward Pfeiler. Isolation and partial characterization of a novel keratan sulfate proteoglycan from metamorphosing bonefish (*Albula*) larvae. *Fish Physiology and Biochemistry*, 4(4):175–187, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871744>.

Vermette:1988:EPE

- [85] M. G. Vermette and S. F. Perry. Effects of prolonged epinephrine infusion on blood respiratory and acid-base states in the rainbow trout: Alpha and beta effects. *Fish Physiology and Biochemistry*, 4(4):189–202, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871745>.

Sawyer:1988:CVM

- [86] Paul L. Sawyer and Alan G. Heath. Cardiac, ventilatory and metabolic responses of two ecologically dissimilar species of fish to waterborne cyanide. *Fish Physiology and Biochemistry*, 4(4):203–219, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871746>.

Anonymous:1988:RAS

- [87] Anonymous. Referees of articles submitted to the journal in 1987. *Fish Physiology and Biochemistry*, 4(4):221–222, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871747>.

Anonymous:1988:E

- [88] Anonymous. Erratum. *Fish Physiology and Biochemistry*, 4(4):223, January 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01871748>.

Storey:1988:NLI

- [89] Kenneth B. Storey and Jeremy H. A. Fields. NAD⁺-linked isocitrate dehydrogenase in fish tissues. *Fish Physiology and Biochemistry*,

5(1):1–8, March 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874723>.

Rafael:1988:IED

- [90] Johannes Rafael and Thomas Braunbeck. Interacting effects of diet and environmental temperature on biochemical parameters in the liver of *Leuciscus idus melanotus* (Cyprinidae: Teleostei). *Fish Physiology and Biochemistry*, 5(1):9–19, March 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874724>.

Blaber:1988:RBT

- [91] Andrew P. Blaber and F. Ross Hallett. Relationship between transmembrane potential and activation of motility in rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 5(1):21–30, March 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874725>.

Balm:1988:CTA

- [92] Paul Balm, Nico Goossen, and Sjoerd Wendelaar Bonga. Characterization of transport Na⁺-ATPases in gills of freshwater tilapia. *Fish Physiology and Biochemistry*, 5(1):31–38, March 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874726>.

Bradley:1988:SST

- [93] Terence M. Bradley and A. W. Rourke. Smoltification in steelhead trout (*Salmo gairdneri*): Developmental aspects of plasma constituents. *Fish Physiology and Biochemistry*, 5(1):39–47, March 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874727>.

Down:1988:PKI

- [94] N. E. (Ted) Down, Helen M. Dye, and Lawrence M. Souza. Plasma kinetics of injected recombinant chicken somatotropin in juvenile Coho salmon (*Oncorhynchus kisutch*) using a homologous radioimmunoassay. *Fish Physiology and Biochemistry*, 5(2):49–57, May 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875642>.

Norberg:1988:HRB

- [95] Birgitta Norberg and Carl Haux. An homologous radioimmunoassay for brown trout (*Salmo trutta*) vitellogenin. *Fish Physiology and Biochem-*

istry, 5(2):59–68, May 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875643>.

Ando:1988:BBP

- [96] Seiichi Ando and Mutsuo Hatano. Bilirubin-binding protein in the serum of spawning-migrating chum salmon, *Oncorhynchus keta*: Its identity with carotenoid-carrying lipoprotein. *Fish Physiology and Biochemistry*, 5(2):69–78, May 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875644>.

Segner:1988:HAE

- [97] Helmut Segner and Thomas Braunbeck. Hepatocellular adaptation to extreme nutritional conditions in ide, *Leuciscus idus melanotus* L. (Cyprinidae). A morphofunctional analysis. *Fish Physiology and Biochemistry*, 5(2):79–97, May 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875645>.

Leeuw:1988:CRG

- [98] R. De Leeuw, P. M. Conn, and P. G. W. J. Van Oordt. Characterization of the receptor for gonadotropin-releasing hormone in the pituitary of the African catfish, *Clarias gariepinus*. *Fish Physiology and Biochemistry*, 5(2):99–107, May 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875646>.

Pelissero:1988:IIP

- [99] C. Pelissero, J. Nunez-Rodriguez, and O. Kah. Immunohistochemical investigation of the pituitary of the sturgeon (*Acipenser baeri*, Chondrostei). *Fish Physiology and Biochemistry*, 5(3):109–119, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875699>.

Fenwick:1988:SEA

- [100] J. C. Fenwick and T. J. Lam. Studies on the effect of air exposure on gill Na^+/K^+ -ATPase of the marble goby, *Oxyeleotris marmorata*, a facultative air-breathing fish. *Fish Physiology and Biochemistry*, 5(3):121–130, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875700>.

Wright:1988:SRS

- [101] R. S. Wright and Wei xin Zhao. Steroid release from separated theca and granulosa layers of Atlantic salmon (*Salmo salar*) ovarian follicles: the effects of a purified salmon gonadotrophin preparation. *Fish Physiology and Biochemistry*, 5(3):131–139, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875701>.

Farbridge:1988:IBO

- [102] K. J. Farbridge and J. F. Leatherland. Interaction between ovine growth hormone and triiodo-L-thyronine on metabolic reserves of rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 5(3):141–151, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875702>.

Holdway:1988:EGR

- [103] D. A. Holdway, B. D. Sloley, and D. G. Dixon. Effect of gender and reproductive status on brain catecholamine and indoleamine levels of flagfish (*Jordanella floridae*). *Fish Physiology and Biochemistry*, 5(3):153–158, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875703>.

Wright:1988:MAS

- [104] Patricia A. Wright and Chris M. Wood. Muscle ammonia stores are not determined by pH gradients. *Fish Physiology and Biochemistry*, 5(3):159–162, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875704>.

Webb:1988:ESM

- [105] P. W. Webb and C. L. Johnsrude. The effect of size on the mechanical properties of the myotomal-skeletal system of rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 5(3):163–171, July 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875705>.

Sheridan:1988:ESS

- [106] Mark A. Sheridan. Exposure to seawater stimulates lipid mobilization from depot tissues of juvenile Coho (*Oncorhynchus kisutch*) and Chinook (*O. tshawytscha*) salmon. *Fish Physiology and Biochemistry*, 5(4):173–180, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print),

1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874793>.

Primmatt:1988:TIE

- [107] D. R. N. Primmatt, F. B. Eddy, and J. E. Thorpe. Transepithelial ion exchange in smolting Atlantic salmon (*Salmo salar* L.). *Fish Physiology and Biochemistry*, 5(4):181–186, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874794>.

Khan:1988:DVH

- [108] I. A. Khan and K. P. Joy. Diurnal variations in hypothalamic monoamine levels in the teleost *Channa punctatus* (Bloch) in response to melatonin under two photothermal conditions. *Fish Physiology and Biochemistry*, 5(4):187–190, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874795>.

Perez:1988:EDF

- [109] J. Perez, S. Zanuy, and M. Carrillo. Effects of diet and feeding time on daily variations in plasma insulin, hepatic c-AMP and other metabolites in a teleost fish, *Dicentrarchus labrax* L. *Fish Physiology and Biochemistry*, 5(4):191–197, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874796>.

Leatherland:1988:TCR

- [110] J. F. Leatherland and J. W. Hilton. Thyroidal compensation in rainbow trout (*Salmo gairdneri*) fed canola meal. *Fish Physiology and Biochemistry*, 5(4):199–207, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874797>.

Gac:1988:GHG

- [111] Florence Le Gac, Bernard Breton, and Muriel Bougoussa. Gonadotropic hormone (GtH) receptors in the testis of the trout *Salmo gairdneri*: *in vitro* studies. *Fish Physiology and Biochemistry*, 5(4):209–217, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874798>.

Tocher:1988:FACa

- [112] D. R. Tocher, J. R. Sargen, and G. N. Frerichs. The fatty acid compositions of established fish cell lines after long-term culture in mammalian

sera. *Fish Physiology and Biochemistry*, 5(4):219–227, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874799>.

Tocher:1988:FACb

- [113] Douglas R. Tocher and Douglas G. Harvie. Fatty acid compositions of the major phosphoglycerides from fish neural tissues; ($n - 3$) and ($n - 6$) polyunsaturated fatty acids in rainbow trout (*Salmo gairdneri*) and cod (*Gadus morhua*) brains and retinas. *Fish Physiology and Biochemistry*, 5(4):229–239, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874800>.

Skorkowski:1988:MNP

- [114] Edward F. Skorkowski and Kenneth B. Storey. Mitochondrial NAD(P)-malic enzyme from herring skeletal muscle. *Fish Physiology and Biochemistry*, 5(4):241–248, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874801>.

Malte:1988:RSR

- [115] Hans Malte and Roy E. Weber. Respiratory stress in rainbow trout dying from aluminium exposure in soft, acid water, with or without added sodium chloride. *Fish Physiology and Biochemistry*, 5(4):249–256, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874802>.

Mutungi:1988:IPT

- [116] Gabriel Mutungi and Ian A. Johnston. Influence of pH and temperature on force development and shortening velocity in skinned muscle fibres from fish. *Fish Physiology and Biochemistry*, 5(4):257–262, October 1988. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874803>.

Danulat:1989:CTS

- [117] Eva Danulat and Peter W. Hochachka. Creatine turnover in the starry flounder, *Platichthys stellatus*. *Fish Physiology and Biochemistry*, 6(1):1–9, January 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875599>.

Thorarensen:1989:SIL

- [118] Helgi Thorarensen and W. Craig Clarke. Smoltification induced by a ‘skeleton’ photoperiod in underyearling Coho salmon (*Oncorhynchus*

kisutch). *Fish Physiology and Biochemistry*, 6(1):11–18, January 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875600>.

Maneckjee:1989:PDP

- [119] A. Maneckjee, M. Weisbart, and D. R. Idler. The presence of 17α , 20β -dihydroxy-4-pregnen-3-one receptor activity in the ovary of the brook trout, *Salvelinus fontinalis*, during terminal stages of oocyte maturation. *Fish Physiology and Biochemistry*, 6(1):19–38, January 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875601>.

Gingerich:1989:CWB

- [120] W. H. Gingerich and R. A. Pityer. Comparison of whole body and tissue blood volumes in rainbow trout (*Salmo gairdneri*) with ^{125}I bovine serum albumin and ^{51}Cr -erythrocyte tracers. *Fish Physiology and Biochemistry*, 6(1):39–47, January 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875602>.

Steffensen:1989:SER

- [121] John Fleng Steffensen. Some errors in respirometry of aquatic breathers: How to avoid and correct for them. *Fish Physiology and Biochemistry*, 6(1):49–59, January 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF02995809>.

Schoonen:1989:SDI

- [122] W. G. E. J. Schoonen, J. G. D. Lambert, and P. G. W. J. Van Oordt. Steroidogenesis during induced oocyte maturation and ovulation in the African catfish, *Clarias gariepinus*. *Fish Physiology and Biochemistry*, 6(2):61–78, March 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875480>.

vanDam:1989:PPF

- [123] G. H. van Dam, W. G. E. J. Schoonen, and P. G. W. J. van Oordt. Plasma profiles of fourteen ovarian steroids before, during and after ovulation in African catfish, *Clarias gariepinus*, determined by gas chromatography and mass spectrometry. *Fish Physiology and Biochemistry*, 6(2):79–89, March 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875481>.

Schoonen:1989:SSG

- [124] W. G. E. J. Schoonen, J. C. M. Granneman, and J. G. D. Lambert. Steroids and steroid glucuronides in the ovarian fluid of the African catfish, *Clarias gariepinus*, between ovulation and oviposition. *Fish Physiology and Biochemistry*, 6(2):91–112, March 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875482>.

Benfey:1989:GRE

- [125] Tillmann J. Benfey, Helen M. Dye, and Edward M. Donaldson. The growth and reproductive endocrinology of adult triploid Pacific salmonids. *Fish Physiology and Biochemistry*, 6(2):113–120, March 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875483>.

Fletcher:1989:APU

- [126] Garth L. Fletcher, Madonna J. King, and Margaret A. Shears. Antifreeze proteins in the urine of marine fish. *Fish Physiology and Biochemistry*, 6(2):121–127, March 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875484>.

Flett:1989:EVH

- [127] P. A. Flett and J. F. Leatherland. *In vitro* hepatic monodeiodination of L-thyroxine and the temporal effect of 17β -estradiol on deiodination in rainbow trout (*Salmo gairdneri* Richardson). *Fish Physiology and Biochemistry*, 6(3):129–138, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874769>.

Lin:1989:EFH

- [128] Yu-Wai Peter Lin, Mark S. Greeley, Jr., and Robin A. Wallace. *Fundulus heteroclitus* gonadotropin(s) 2. Year-round husbandry of animals with active pituitaries and responsive follicles. *Fish Physiology and Biochemistry*, 6(3):139–148, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874770>.

Lone:1989:EFT

- [129] Khalid P. Lone. The effect of feeding three anabolic steroids in different combinations on the growth, food conversion efficiency and protein and nucleic acid levels of liver, kidney, brain and muscle of mirror carp (*Cyprinus carpio*). *Fish Physiology and Biochemistry*, 6(3):149–156, May 1989.

CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874771>.

Ungell:1989:FNA

- [130] Anna-Lena Ungell. The fate of noradrenaline and adrenaline in the perfused cod spleen. *Fish Physiology and Biochemistry*, 6(3):157–165, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874772>.

Salama:1989:SDA

- [131] Annika Salama and Mikko Nikinmaa. Species differences in the adrenergic responses of fish red cells: studies on whitefish, pikeperch, trout and carp. *Fish Physiology and Biochemistry*, 6(3):167–173, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874773>.

Hickie:1989:IDC

- [132] B. E. Hickie, D. G. Dixon, and J. F. Leatherland. The influence of the dietary carbohydrate: lipid ratio on the chronic toxicity of sodium pentachlorophenate to rainbow trout (*Salmo gairdneri* Richardson). *Fish Physiology and Biochemistry*, 6(3):175–185, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874774>.

Fitch:1989:LDI

- [133] Neil A. Fitch. Lactate dehydrogenase isozymes in the trunk and cardiac muscles of an Antarctic teleost fish, *Notothenia neglecta* Nybelin. *Fish Physiology and Biochemistry*, 6(3):187–195, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874775>.

Anonymous:1989:RAS

- [134] Anonymous. Referees of articles submitted to the journal in 1988. *Fish Physiology and Biochemistry*, 6(3):197–198, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874776>.

F:1989:TCR

- [135] Leatherland J. F. and Hilton J. W. Thyroidal compensation in rainbow trout (*Salmo gairdneri*) fed canola meal. *Fish Physiology and Biochemistry*, 6(3):199, May 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01874777>.

Celander:1989:CPM

- [136] Malin Celander, Lars Förlin, and Tommy Andersson. Cytochrome P-450 mediated O-dealkylation of 7-alkoxycoumarins in liver microsomes from rainbow trout (*Salmo gairdneri*). *Fish Physiology and Biochemistry*, 6(4):199–205, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875022>.

Asselt:1989:CID

- [137] L. A. C. Van Asselt, R. J. M. Timmers, and P. G. W. J. Van Oordt. Catecholestrogens inhibit dopamine methylation in the gonadotrops of the African catfish, *Clarias gariepinus*. *Fish Physiology and Biochemistry*, 6(4):207–212, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875023>.

Uematsu:1989:AIO

- [138] Kazumasa Uematsu, Susanne Holmgren, and Stefan Nilsson. Autonomic innervation of the ovary of the Atlantic cod, *Gadus morhua*. *Fish Physiology and Biochemistry*, 6(4):213–219, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875024>.

Olsson:1989:IMS

- [139] Per-Erik Olsson, Åke Larsson, and Lashitew Gedamu. Induction of metallothionein synthesis in rainbow trout, *Salmo gairdneri*, during long-term exposure to waterborne cadmium. *Fish Physiology and Biochemistry*, 6(4):221–229, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875025>.

McCormick:1989:MEK

- [140] Stephen D. McCormick, Richard L. Saunders, and Arthur D. MacIntyre. Mitochondrial enzyme and Na^+ , K^+ -ATPase activity, and ion regulation during parr-smolt transformation of Atlantic salmon (*Salmon salar*). *Fish Physiology and Biochemistry*, 6(4):231–241, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875026>.

McCormick:1989:ISE

- [141] Stephen D. McCormick, Christopher D. Moyes, and James S. Ballantyne. Influence of salinity on the energetics of gill and kidney of Atlantic salmon

(*Salmo salar*). *Fish Physiology and Biochemistry*, 6(4):243–254, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875027>.

Cyr:1989:EEV

- [142] Daniel G. Cyr and J. G. Eales. T_3 enhancement of *in vitro* estradiol- 17β secretion by oocytes of rainbow trout, *Salmo gairdneri*, is dependent on cAMP. *Fish Physiology and Biochemistry*, 6(4):255–259, July 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875028>.

Greenblatt:1989:CTH

- [143] Mike Greenblatt, Christopher L. Brown, and Howard A. Bern. Changes in thyroid hormone levels in eggs and larvae and in iodide uptake by eggs of Coho and Chinook salmon, *Oncorhynchus kisutch* and *O. tshawytscha*. *Fish Physiology and Biochemistry*, 6(5):261–278, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881680>.

Kah:1989:GSB

- [144] O. Kah, S. Dufour, and B. Breton. The GnRH systems in the brain and pituitary of normal and hCG treated European silver eels. *Fish Physiology and Biochemistry*, 6(5):279–284, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881681>.

Lin:1989:DIG

- [145] Hao-Ren Lin, Chun Peng, and Richard E. Peter. Dopamine inhibits gonadotropin secretion in the Chinese loach (*Paramisgurnus dabryanus*). *Fish Physiology and Biochemistry*, 6(5):285–288, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881682>.

Haider:1989:REV

- [146] S. Haider and R. Moses Inbaraj. Relative *in vitro* effectiveness of estradiol- 17β , androgens, corticosteroids, progesterone and other pregnene derivatives on germinal vesicle breakdown in oocytes of Indian major carps, *Labeo rohita*, *Cirrhinus mrigala* and *Catla catla*. *Fish Physiology and Biochemistry*, 6(5):289–295, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881683>.

Wright:1989:CAG

- [147] Patricia A. Wright and Steve F. Perry. A critical analysis of gas transfer *in vivo* and in a blood-perfused trout head preparation. *Fish Physiology and Biochemistry*, 6(5):297–308, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881684>.

Altringham:1989:IPF

- [148] J. D. Altringham and I. A. Johnston. The innervation pattern of fast myotomal muscle in the teleost *Myoxocephalus scorpius*: A reappraisal. *Fish Physiology and Biochemistry*, 6(5):309–313, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881685>.

Axelsson:1989:RCO

- [149] Michael Axelsson, William R. Driedzic, and Stefan Nilsson. Regulation of cardiac output and gut blood flow in the sea raven, *Hemitripterus americanus*. *Fish Physiology and Biochemistry*, 6(5):315–326, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881686>.

Forster:1989:PHH

- [150] M. E. Forster. Performance of the heat of the hagfish, *Eptatretus cirrhatatus*. *Fish Physiology and Biochemistry*, 6(5):327–331, September 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01881687>.

vonderDecken:1989:MHC

- [151] Alexandra von der Decken and Einar Lied. Myosin heavy chain synthesis in white trunk muscle of cod (*Gadus morhua*) fed different ration sizes. *Fish Physiology and Biochemistry*, 6(6):333–340, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875603>.

Gordon:1989:ESF

- [152] Malcolm S. Gordon, Helen G. Chin, and Marija Vojkovich. Energetics of swimming in fishes using different methods of locomotion: I. Labriform swimmers. *Fish Physiology and Biochemistry*, 6(6):341–352, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875604>.

Johnston:1989:RBD

- [153] W. L. Johnston, E. MacDonald, and J. W. Hilton. Relationships between dietary ascorbic acid status and deficiency, weight gain and brain neurotransmitter levels in juvenile rainbow trout, *Salmo gairdneri*. *Fish Physiology and Biochemistry*, 6(6):353–365, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875605>.

Fritzvold:1989:LPC

- [154] Randi Fritzvold, Birgit H. Dannevig, and Trond Berg. The liver parenchymal cells of rainbow trout (*Salmo gairdneri*) endocytose mannose-terminated glycoproteins. *Fish Physiology and Biochemistry*, 6(6):367–375, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875606>.

Peter:1989:OMT

- [155] M. C. Subash Peter and Oommen V. Oommen. Oxidative metabolism in a teleost, *Anabas testudineus* Bloch: effect of testosterone and estradiol-17 β on hepatic enzyme activities. *Fish Physiology and Biochemistry*, 6(6):377–385, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875607>.

Ottolenghi:1989:GAG

- [156] C. Ottolenghi, A. C. Puviani, and E. M. Plisetskaya. Glycogenolytic action of glucagon-family peptides and epinephrine on catfish hepatocytes. *Fish Physiology and Biochemistry*, 6(6):387–394, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875608>.

Shephard:1989:AIE

- [157] K. L. Shephard. An analysis of the ion-exchange characteristics of fish-egg chorions. *Fish Physiology and Biochemistry*, 6(6):395–401, November 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF01875609>.

Hew:1989:TFP

- [158] Choy L. Hew. Transgenic fish: present status and future directions. *Fish Physiology and Biochemistry*, 7(1-6):??, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004736>.

Chen:1989:EIT

- [159] T. T. Chen, L. B. Agellon, and D. A. Powers. Evolutionary implications of two rainbow trout growth hormone genes. *Fish Physiology and Biochemistry*, 7(1-6):??, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004732>.

Marshall:1989:CIT

- [160] William S. Marshall, Sharon E. Bryson, and David R. Idler. Control of ion transport by the sperm duct epithelium of brook trout (*Salvelinus fontinalis*). *Fish Physiology and Biochemistry*, 7(1-6):??, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004725>.

Thomas:1989:ETP

- [161] Peter Thomas and John M. Trant. Evidence that 17α , 20β , 21-trihydroxy-4-pregnen-3-one is a maturation-inducing steroid in spotted seatrout. *Fish Physiology and Biochemistry*, 7(1-6):??, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004706>.

Plisetskaya:1989:PFE

- [162] Erika M. Plisetskaya. Physiology of fish endocrine pancreas. *Fish Physiology and Biochemistry*, 7(1-6):??, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004688>.

Pang:1989:P

- [163] P. K. T. Pang, R. E. Peter, and M. P. Schreiber. Preface. *Fish Physiology and Biochemistry*, 7(1-6):1–2, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004683>.

Gorbman:1989:RFE

- [164] Aubrey Gorbman. Roots of fish endocrinology, a perspective. *Fish Physiology and Biochemistry*, 7(1-6):3–10, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004684>.

Grau:1989:TPC

- [165] E. Gordon Grau and Lisa M. H. Helms. The tilapia prolactin cell: A model for stimulus-secretion coupling. *Fish Physiology and Biochemistry*,

7(1-6):11–19, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004685>.

Fryer:1989:NRA

- [166] James N. Fryer. Neuropeptides regulating the activity of goldfish corticotropes and melanotropes. *Fish Physiology and Biochemistry*, 7(1-6):21–27, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004686>.

Kawauchi:1989:DTG

- [167] Hiroshi Kawauchi, Kunimasa Suzuki, and Seiga Itoh. The duality of teleost gonadotropins. *Fish Physiology and Biochemistry*, 7(1-6):29–38, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004687>.

Billard:1989:EFC

- [168] R. Billard. Endocrinology and fish culture. *Fish Physiology and Biochemistry*, 7(1-6):49–58, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004689>.

Zohar:1989:BGR

- [169] Y. Zohar, A. Goren, and Y. Koch. The bioactivity of gonadotropin releasing hormones and its regulation in the gilthead seabream, *Sparus aurata*: *in vivo* and *in vitro* studies. *Fish Physiology and Biochemistry*, 7(1-6):59–67, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004690>.

Kah:1989:CCD

- [170] O. Kah, A. Pontet, and A. Calas. Characterization, cerebral distribution and gonadotropin release activity of neuropeptide Y (NPY) in the goldfish. *Fish Physiology and Biochemistry*, 7(1-6):69–76, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004691>.

Breton:1989:NNM

- [171] Bernard Breton, Tomasz Mikolajczyk, and Hubert Vaudry. Neuropeptide Y (NPY) modulates *in vitro* gonadotropin in release from rainbow trout pituitary glands. *Fish Physiology and Biochemistry*, 7(1-6):77–83, June

1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004692>.

Sherwood:1989:OMF

- [172] Nancy M. Sherwood and David A. Lovejoy. The origin of the mammalian form of GnRH in primitive fishes. *Fish Physiology and Biochemistry*, 7(1-6):85–93, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004693>.

Crim:1989:MST

- [173] Laurence W. Crim, Donna M. Evans, and Kay Moreland. Monoaminergic substances in the teleost brain: Catecholamine levels in male and female winter flounder, *Pseudopleuronectes americanus* Walbaum, associated with gonadal recrudescence. *Fish Physiology and Biochemistry*, 7(1-6):95–100, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004694>.

Sower:1989:ELG

- [174] Stacia A. Sower. Effects of lamprey gonadotropin-releasing hormone and analogs on steroidogenesis and spermiation in male sea lampreys. *Fish Physiology and Biochemistry*, 7(1-6):101–107, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004695>.

Habibi:1989:PGR

- [175] H. R. Habibi, R. De Leeuw, and R. E. Peter. Pituitary gonadotropin-releasing hormone (GnRH) receptor activity in goldfish and catfish: seasonal and gonadal effects. *Fish Physiology and Biochemistry*, 7(1-6):109–118, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004696>.

Specker:1989:UAT

- [176] Jennifer L. Specker, Patricia Stockin Brown, and Stephen C. Brown. Unequal activities of the two tilapia prolactins in the whole-animal transepithelial potential bioassay using the red eft. *Fish Physiology and Biochemistry*, 7(1-6):119–124, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004697>.

Youson:1989:MDE

- [177] John H. Youson and W. Mar Elliott. Morphogenesis and distribution of the endocrine pancreas in adult lampreys. *Fish Physiology and Biochemistry*, 7(1-6):125–131, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004698>.

Marchant:1989:HPI

- [178] Tracy A. Marchant and Richard E. Peter. Hypothalamic peptides influencing growth hormone secretion in the goldfish, *Carassius auratus*. *Fish Physiology and Biochemistry*, 7(1-6):133–139, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004699>.

Kobayashi:1989:ISH

- [179] Makito Kobayashi, Katsumi Aida, and Isao Hanyu. Involvement of steroid hormones in the preovulatory gonadotropin surge in female goldfish. *Fish Physiology and Biochemistry*, 7(1-6):141–146, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004700>.

Dickhoff:1989:RBM

- [180] Walton W. Dickhoff, Liguang Yan, and Melinda G. Bernard. Relationship between metabolic and reproductive hormones in salmonid fish. *Fish Physiology and Biochemistry*, 7(1-6):147–155, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004701>.

Dufour:1989:PFC

- [181] Sylvie Dufour, Nadine Le Belle, and Yves-Alain Fontaine. Positive feedback control by the gonads on gonadotropin (GTH) and gonadoliberin (GnRH) levels in experimentally matured female silver eels, *Anguilla anguilla*. *Fish Physiology and Biochemistry*, 7(1-6):157–162, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004702>.

Goetz:1989:RPC

- [182] Frederick William Goetz, Priscilla Duman, and Erik G. Janowsky. The role of prostaglandins in the control of ovulation in yellow perch, *Perca flavescens*. *Fish Physiology and Biochemistry*, 7(1-6):163–168, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004703>.

Swanson:1989:GIJ

- [183] Penny Swanson, M. Bernard, and W. W. Dickhoff. Gonadotropins I and II in juvenile Coho salmon. *Fish Physiology and Biochemistry*, 7(1-6):169–176, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004704>.

Yu:1989:IPG

- [184] J. Y. L. Yu and S. T. Shen. Isolation of pituitary glycoprotein gonadotropins from the grass carp (*Ctenopharyngodon idell*). *Fish Physiology and Biochemistry*, 7(1-6):177–183, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004705>.

Nagahama:1989:MSA

- [185] Yoshitaka Nagahama and Masakane Yamashita. Mechanisms of synthesis and action of 17α , 20β -dihydroxy-4-pregnen-3-one, a teleost maturation-inducing substance. *Fish Physiology and Biochemistry*, 7(1-6):193–200, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004707>.

Timmers:1989:CMB

- [186] R. J. M. Timmers and J. G. D. Lambert. Catechol-o-methyltransferase in the brain of the male African catfish, *Clarias gariepinus*; distribution and significance for the metabolism of catecholestrogens and dopamine. *Fish Physiology and Biochemistry*, 7(1-6):201–210, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004708>.

Nakamura:1989:DDL

- [187] Masaru Nakamura and Yoshitaka Nagahama. Differentiation and development of Leydig cells, and changes of testosterone levels during testicular differentiation in tilapia *Oreochromis niloticus*. *Fish Physiology and Biochemistry*, 7(1-6):211–219, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004709>.

Dubois:1989:RSC

- [188] Wilfrid Dubois and Gloria V. Callard. Role of the Sertoli cell in spermatogenesis: The *Squalus* testis model. *Fish Physiology and Biochemistry*, 7(1-6):221–227, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print),

1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004710>.

Chan:1989:SSI

- [189] S. T. H. Chan and W. S. B. Yeung. Sex steroids in intersexual fishes. *Fish Physiology and Biochemistry*, 7(1-6):229–235, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004711>.

Schreibman:1989:GIR

- [190] Martin P. Schreibman, Seymour Holtzman, and Ronald A. Eckhardt. Genetic influences on reproductive system development and function: A review. *Fish Physiology and Biochemistry*, 7(1-6):237–242, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004712>.

Bail:1989:PCS

- [191] Pierre-Yves Le Bail, Geneviève Boulard, and Michel Zygmunt. Purification of Chinook salmon (*Oncorhynchus tshawytscha*) GH for receptor study. *Fish Physiology and Biochemistry*, 7(1-6):243–251, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004713>.

Pickering:1989:SRD

- [192] A. D. Pickering and T. G. Pottinger. Stress responses and disease resistance in salmonid fish: Effects of chronic elevation of plasma cortisol. *Fish Physiology and Biochemistry*, 7(1-6):253–258, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004714>.

Schreck:1989:RIF

- [193] Carl B. Schreck, C. Samue Bradford, and Reynaldo Patiño. Regulation of the interrenal of fishes: non-classical control mechanisms. *Fish Physiology and Biochemistry*, 7(1-6):259–265, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004715>.

Weisbart:1989:EAE

- [194] M. Weisbart, P. K. Chakraborti, and H. C. Freeman. Effect of acid environments on cortisol and cortisol receptor activity in Atlantic salmon, *Salmo salar*. *Fish Physiology and Biochemistry*, 7(1-6):267–272, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004716>.

Epple:1989:CCE

- [195] August Epple, Charles B. Hathaway, and Barbara Nibbio. Circulatory catecholamines in the eel: origins and functions. *Fish Physiology and Biochemistry*, 7(1-6):273–278, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004717>.

Mommsen:1989:MAG

- [196] Thomas P. Mommsen and Thomas W. Moon. Metabolic actions of glucagon-family hormones in liver. *Fish Physiology and Biochemistry*, 7(1-6):279–288, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004718>.

Eales:1989:RBP

- [197] J. G. Eales and Deborah L. MacLatchy. The relationship between T_3 production and energy balance in salmonids and other teleosts. *Fish Physiology and Biochemistry*, 7(1-6):289–293, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004719>.

Brown:1989:ESS

- [198] Christopher L. Brown, Serge I. Doroshov, and Howard A. Bern. Enhanced survival in striped bass fingerlings after maternal triiodothyronine treatment. *Fish Physiology and Biochemistry*, 7(1-6):295–299, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004720>.

Gonnet:1989:HCP

- [199] Francis Gonnet, Alain Barret, and Patrick Prunet. Hypothalamic control of prolactin release in the rainbow trout, *Salmo gairdneri*: *in vitro* studies. *Fish Physiology and Biochemistry*, 7(1-6):301–308, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004721>.

Ogasawara:1989:CPP

- [200] Tsuyoshi Ogasawara, Tetsuya Hirano, and Masatomo Tagawa. Changes in plasma prolactin and growth hormone concentrations during freshwater adaptation of juvenile chum salmon (*Oncorhynchus keta*) reared in seawater for a prolonged period. *Fish Physiology and Biochemistry*, 7(1-6):309–313, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004722>.

Collie:1989:SSS

- [201] Nathan L. Collie, Jonathan P. Bolton, and Tetsuya Hirano. Survival of salmonids in seawater and the time-frame of growth hormone action. *Fish Physiology and Biochemistry*, 7(1-6):315–321, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004723>.

Nishimura:1989:SCR

- [202] Hiroko Nishimura and Margaret A. Madey. Signals controlling renin release in aglomerular toadfish. *Fish Physiology and Biochemistry*, 7(1-6):323–329, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004724>.

Kaneko:1989:LCR

- [203] Toyoji Kaneko, Stephen Harvey, and Peter K. T. Pang. Localization of calcium regulatory hormones in fish. *Fish Physiology and Biochemistry*, 7(1-6):337–342, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004726>.

Flik:1989:STC

- [204] Gert Flik, Teresa Labedz, and Peter K. T. Pang. Studies on teleost corpuscles of Stannius: Physiological and biochemical aspects of synthesis and release of hypocalcin in trout, goldfish and eel. *Fish Physiology and Biochemistry*, 7(1-6):343–349, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004727>.

Fenwick:1989:VDR

- [205] J. C. Fenwick and M. G. Vermette. Vitamin D₃ and the renal handling of phosphate in American eels. *Fish Physiology and Biochemistry*, 7(1-6):351–358, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004728>.

Butkus:1989:PBC

- [206] Aldona Butkus, Neale A. Yates, and John P. Coghlan. Processing and bioactivity of the corpuscles of Stannius protein of the Australian eel. *Fish Physiology and Biochemistry*, 7(1-6):359–365, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004729>.

Wagner:1989:SSP

- [207] Graham F. Wagner and Henry G. Friesen. Studies on the structure and physiology of salmon teleocalcin. *Fish Physiology and Biochemistry*, 7 (1-6):367–374, June 1989. CODEN FPBIEP. ISSN 0920-1742 (print), 1573-5168 (electronic). URL <https://link.springer.com/article/10.1007/BF00004730>.