

# Arjan P Palstra

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

912  
citations

516710

16  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing Zebrafish as a Novel Exercise Model: Swimming Economy, Swimming-Enhanced Growth and Muscle Growth Marker Gene Expression. <i>PLoS ONE</i> , 2010, 5, e14483.	2.5	143
2	Fish under exercise. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 259-272.	2.3	134
3	AMP-Activated Protein Kinase Plays an Important Evolutionary Conserved Role in the Regulation of Glucose Metabolism in Fish Skeletal Muscle Cells. <i>PLoS ONE</i> , 2012, 7, e31219.	2.5	99
4	Swimming physiology of European silver eels ( <i>Anguilla anguilla</i> L.): energetic costs and effects on sexual maturation and reproduction. <i>Fish Physiology and Biochemistry</i> , 2010, 36, 297-322.	2.3	83
5	Swimming-induced exercise promotes hypertrophy and vascularization of fast skeletal muscle fibres and activation of myogenic and angiogenic transcriptional programs in adult zebrafish. <i>BMC Genomics</i> , 2014, 15, 1136.	2.8	67
6	Deep RNA Sequencing of the Skeletal Muscle Transcriptome in Swimming Fish. <i>PLoS ONE</i> , 2013, 8, e53171.	2.5	62
7	Forced sustained swimming exercise at optimal speed enhances growth of juvenile yellowtail kingfish ( <i>Seriola lalandi</i> ). <i>Frontiers in Physiology</i> , 2014, 5, 506.	2.8	52
8	Fueling the engine: induction of AMP-activated protein kinase in trout skeletal muscle by swimming. <i>Journal of Experimental Biology</i> , 2014, 217, 1649-52.	1.7	35
9	Temporal expression of hepatic estrogen receptor 1, vitellogenin1 and vitellogenin2 in European silver eels. <i>General and Comparative Endocrinology</i> , 2010, 166, 1-11.	1.8	32
10	Aerobic swimming in intensive finfish aquaculture: applications for production, mitigation and selection. <i>Reviews in Aquaculture</i> , 2021, 13, 138-155.	9.0	32
11	Male silver eels mature by swimming. <i>BMC Physiology</i> , 2008, 8, 14.	3.6	22
12	Physiological Effects of Water Flow Induced Swimming Exercise in Seabream <i>Sparus aurata</i> . <i>Frontiers in Physiology</i> , 2020, 11, 610049.	2.8	22
13	Immunomodulatory Effects of Dietary Seaweeds in LPS Challenged Atlantic Salmon <i>Salmo salar</i> as Determined by Deep RNA Sequencing of the Head Kidney Transcriptome. <i>Frontiers in Physiology</i> , 2018, 9, 625.	2.8	20
14	Saving energy to fuel exercise: swimming suppresses oocyte development and downregulates ovarian transcriptomic response of rainbow trout <i>Oncorhynchus mykiss</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R486-R499.	1.8	17
15	Temporal progression in migratory status and sexual maturation in European silver eels during downstream migration. <i>Fish Physiology and Biochemistry</i> , 2011, 37, 285-296.	2.3	17
16	Swimming suppresses hepatic vitellogenesis in European female silver eels as shown by expression of the estrogen receptor 1, vitellogenin1 and vitellogenin2 in the liver. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 27.	3.3	16
17	Simulated migration under mimicked photothermal conditions enhances sexual maturation of farmed European eel ( <i>Anguilla anguilla</i> ). <i>Aquaculture</i> , 2016, 452, 367-372.	3.5	16
18	Cortisol Acting Through the Glucocorticoid Receptor Is Not Involved in Exercise-Enhanced Growth, But Does Affect the White Skeletal Muscle Transcriptome in Zebrafish ( <i>Danio rerio</i> ). <i>Frontiers in Physiology</i> , 2019, 9, 1889.	2.8	13

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19	Heritable variation in swimming performance in Nile tilapia ( <i>Oreochromis niloticus</i> ) and negative genetic correlations with growth and harvest weight. <i>Scientific Reports</i> , 2021, 11, 11018.	3.3	11
20	Swimming exercise to control precocious maturation in male seabass ( <i>Dicentrarchus labrax</i> ). <i>BMC Developmental Biology</i> , 2018, 18, 10.	2.1	9
21	Accelerometry of Seabream in a Sea-Cage: Is Acceleration a Good Proxy for Activity?. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	6
22	Transcriptomic and Proteomic Response of Skeletal Muscle to Swimming-Induced Exercise in Fish. , 2013, , 237-256.		2
23	Editorial: Physiological Adaptations to Swimming in Fish. <i>Frontiers in Physiology</i> , 2017, 8, 59.	2.8	1
24	Quantitative trait loci controlling swimming performance and their effect on growth in Nile tilapia ( <i>Oreochromis niloticus</i> ). <i>Aquaculture</i> , 2022, 560, 738522.	3.5	1
25	Salmonid Reproductive Migration and Effects on Sexual Maturation. , 2013, , 3-17.		0