

Georg Bo Staaks

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

1,078
citations

18
h-index

32
g-index

32
ext. papers

1,223
ext. citations

3.7
avg. IF

4.03
L-index

#	Paper	IF	Citations
32	Impact of the cyanobacteria toxin, microcystin-Lr on behaviour of zebrafish, danio rerio. <i>Water Research</i> , 1998 , 32, 948-952	12.5	99
31	A new concept for aquaponic systems to improve sustainability, increase productivity, and reduce environmental impacts. <i>Aquaculture Environment Interactions</i> , 2015 , 7, 179-192	2.9	91
30	The effect of fasting and refeeding on temperature preference, activity and growth of roach, <i>Rutilus rutilus</i> . <i>Oecologia</i> , 2002 , 130, 496-504	2.9	89
29	Swimming efficiency and the influence of morphology on swimming costs in fishes. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006 , 176, 17-25	2.2	85
28	Genome differentiation in a species pair of coregonine fishes: an extremely rapid speciation driven by stress-activated retrotransposons mediating extensive ribosomal DNA multiplications. <i>BMC Evolutionary Biology</i> , 2013 , 13, 42	3	79
27	Comparative study of microcystin-LR-induced behavioral changes of two fish species, Danio rerio and <i>Leucaspis delineatus</i> . <i>Environmental Toxicology</i> , 2004 , 19, 564-70	4.2	72
26	Temperature-related physiological adaptations promote ecological divergence in a sympatric species pair of temperate freshwater fish, <i>Coregonus</i> spp.. <i>Functional Ecology</i> , 2008 , 22, 501-508	5.6	65
25	Intraspecific temperature dependence of the scaling of metabolic rate with body mass in fishes and its ecological implications. <i>Oikos</i> , 2012 , 121, 245-251	4	63
24	Effects of temperature, swimming speed and body mass on standard and active metabolic rate in vendace (<i>Coregonus albula</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2007 , 177, 905-16	2.2	53
23	Impact of PCB mixture (Aroclor 1254) and TBT and a mixture of both on swimming behavior, body growth and enzymatic biotransformation activities (GST) of young carp (<i>Cyprinus carpio</i>). <i>Aquatic Toxicology</i> , 2005 , 71, 49-59	5.1	48
22	Xenobiotic substances such as PCB mixtures (Aroclor 1254) and TBT can influence swimming behavior and biotransformation activity (GST) of carp (<i>Cyprinus carpio</i>). <i>Environmental Toxicology</i> , 2004 , 19, 460-70	4.2	33
21	Is ecological segregation in a pair of sympatric coregonines supported by divergent feeding efficiencies?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2008 , 65, 2105-2113	2.4	31
20	Modelling energetic costs of fish swimming. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005 , 303, 657-64		31
19	Habitat choice in shoals of roach as a function of water temperature and feeding rate. <i>Journal of Fish Biology</i> , 1998 , 53, 377-386	1.9	28
18	Experimental studies on thermal behaviour and diurnal activity rhythms of juvenile European sturgeon (<i>Acipenser sturio</i>). <i>Journal of Applied Ichthyology</i> , 1999 , 15, 243-247	0.9	24
17	Tank size alters mean behaviours and individual rank orders in personality traits of fish depending on their life stage. <i>Animal Behaviour</i> , 2016 , 115, 127-135	2.8	24
16	Estimating the active metabolic rate (AMR) in fish based on tail beat frequency (TBF) and body mass. <i>Journal of Experimental Zoology</i> , 2007 , 307, 296-300		22

15	Behaviour in a standardized assay, but not metabolic or growth rate, predicts behavioural variation in an adult aquatic top predator <i>Esox lucius</i> in the wild. <i>Journal of Fish Biology</i> , 2016 , 88, 1544-63	1.9	18
14	The aquaponic principle is all about coupling. <i>Reviews in Aquaculture</i> ,	8.9	17
13	Profitability of multi-loop aquaponics: Year-long production data, economic scenarios and a comprehensive model case. <i>Aquaculture Research</i> , 2020 , 51, 2711-2724	1.9	15
12	The eye fluke <i>Tyloodelphys clavata</i> affects prey detection and intraspecific competition of European perch (<i>Perca fluviatilis</i>). <i>Parasitology Research</i> , 2017 , 116, 2561-2567	2.4	15
11	Cyclic temperatures influence growth efficiency and biochemical body composition of vertically migrating fish. <i>Freshwater Biology</i> , 2011 , 56, 1554-1566	3.1	15
10	Model of an aquaponic system for minimised water, energy and nitrogen requirements. <i>Water Science and Technology</i> , 2016 , 74, 30-7	2.2	14
9	Influence of a Xenobiotic Mixture (PCB and TBT) Compared to Single Substances on Swimming Behavior or Reproduction of <i>Daphnia magna</i> . <i>Clean - Soil, Air, Water</i> , 2005 , 33, 287-300		13
8	Temporal pattern in swimming activity of two fish species (<i>Danio rerio</i> and <i>Leucaspius delineatus</i>) under chemical stress conditions. <i>Biological Rhythm Research</i> , 2005 , 36, 263-276	0.8	11
7	Environmental impact assessment of local decoupled multi-loop aquaponics in an urban context. <i>Journal of Cleaner Production</i> , 2021 , 313, 127735	10.3	7
6	The Influence of Tributyltin Chloride and Polychlorinated Biphenyls on Swimming Behavior, Body Growth, Reproduction, and Activity of Biotransformation Enzymes in <i>Daphnia magna</i> . <i>Journal of Freshwater Ecology</i> , 2006 , 21, 109-120	1.4	6
5	Site Resource Inventories – A Missing Link in the Circular City’s Information Flow. <i>Advances in Geosciences</i> , 54, 23-32		6
4	Veränderung der Zinktoxizität in Wässern geringer und hoher Wasserhärte unter dem Einfluß eines synthetischen Huminstoffes. <i>Environmental Sciences Europe</i> , 1995 , 7, 155-158		4
3	Wirkung subakuter PCB-Exposition (Aroclor 1254) auf Sauerstoffverbrauch, Schwimmbewegung und Biotransformation (GST-Aktivität) des Karpfens (<i>Cyprinus carpio</i>). <i>Environmental Sciences Europe</i> , 2005 , 17, 133-145		
2	How to Use Fish Behavior Analysis to Sensitive Assess the Hazard Potentials of Environmental Chemicals 2001 , 113-122		
1	Assessment of the Hazard Potential of Environmental Chemicals by Quantifying Fish Behaviour 2008 , 376-389		