Georg Bo Staaks

List of Publications by Year in Descending Order

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	Environmental impact assessment of local decoupled multi-loop aquaponics in an urban context. *Journal of Cleaner Production*, **2021**, 313, 127735	10.3	7
31	Profitability of multi-loop aquaponics: Year-long production data, economic scenarios and a comprehensive model case. *Aquaculture Research*, **2020**, 51, 2711-2724	1.9	15
30	The eye fluke Tylodelphys clavata affects prey detection and intraspecific competition of European perch (Perca fluviatilis). *Parasitology Research*, **2017**, 116, 2561-2567	2.4	15
29	Behaviour in a standardized assay, but not metabolic or growth rate, predicts behavioural variation in an adult aquatic top predator Esox lucius in the wild. *Journal of Fish Biology*, **2016**, 88, 1544-63	1.9	18
28	Model of an aquaponic system for minimised water, energy and nitrogen requirements. *Water Science and Technology*, **2016**, 74, 30-7	2.2	14
27	Tank size alters mean behaviours and individual rank orders in personality traits of fish depending on their life stage. *Animal Behaviour*, **2016**, 115, 127-135	2.8	24
26	A new concept for aquaponic systems to improve sustainability, increase productivity, and reduce environmental impacts. *Aquaculture Environment Interactions*, **2015**, 7, 179-192	2.9	91
25	Genome differentiation in a species pair of coregonine fishes: an extremely rapid speciation driven by stress-activated retrotransposons mediating extensive ribosomal DNA multiplications. *BMC Evolutionary Biology*, **2013**, 13, 42	3	79
24	Intraspecific temperature dependence of the scaling of metabolic rate with body mass in fishes and its ecological implications. *Oikos*, **2012**, 121, 245-251	4	63
23	Cyclic temperatures influence growth efficiency and biochemical body composition of vertically migrating fish. *Freshwater Biology*, **2011**, 56, 1554-1566	3.1	15
22	Temperature-related physiological adaptations promote ecological divergence in a sympatric species pair of temperate freshwater fish, Coregonus spp.. *Functional Ecology*, **2008**, 22, 501-508	5.6	65
21	Is ecological segregation in a pair of sympatric coregonines supported by divergent feeding efficiencies?. *Canadian Journal of Fisheries and Aquatic Sciences*, **2008**, 65, 2105-2113	2.4	31
20	Assessment of the Hazard Potential of Environmental Chemicals by Quantifying Fish Behaviour **2008**, 376-389		
19	Estimating the active metabolic rate (AMR) in fish based on tail beat frequency (TBF) and body mass. *Journal of Experimental Zoology*, **2007**, 307, 296-300		22
18	Effects of temperature, swimming speed and body mass on standard and active metabolic rate in vendace (Coregonus albula). *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2007**, 177, 905-16	2.2	53
17	The Influence of Tributyltin Chloride and Polychlorinated Biphenyls on Swimming Behavior, Body Growth, Reproduction, and Activity of Biotransformation Enzymes in Daphnia magna. *Journal of Freshwater Ecology*, **2006**, 21, 109-120	1.4	6
16	Swimming efficiency and the influence of morphology on swimming costs in fishes. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2006**, 176, 17-25	2.2	85

15	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 (Cyprinus carpio). *Aquatic Toxicology*, **2005**, 71, 49-59	5.1	48
14	Wirkung subakuter PCB-Exposition (Aroclor 1254) auf Sauerstoffverbrauch, Schwimmbewegung und Biotransformation (GST-Aktivität) des Karpfens (Cyprinus carpio). *Environmental Sciences Europe*, **2005**, 17, 133-145		
13	Influence of a Xenobiotic Mixture (PCB and TBT) Compared to Single Substances on Swimming Behavior or Reproduction of Daphnia magna. *Clean - Soil, Air, Water*, **2005**, 33, 287-300		13
12	Modelling energetic costs of fish swimming. *Journal of Experimental Zoology Part A, Comparative Experimental Biology*, **2005**, 303, 657-64		31
11	Temporal pattern in swimming activity of two fish species (Danio rerio and Leucaspius delineatus) under chemical stress conditions. *Biological Rhythm Research*, **2005**, 36, 263-276	0.8	11
10	Xenobiotic substances such as PCB mixtures (Aroclor 1254) and TBT can influence swimming behavior and biotransformation activity (GST) of carp (Cyprinus carpio). *Environmental Toxicology*, **2004**, 19, 460-70	4.2	33
9	Comparative study of microcystin-LR-induced behavioral changes of two fish species, Danio rerio and Leucaspius delineatus. *Environmental Toxicology*, **2004**, 19, 564-70	4.2	72
8	The effect of fasting and refeeding on temperature preference, activity and growth of roach, Rutilus rutilus. *Oecologia*, **2002**, 130, 496-504	2.9	89
7	How to Use Fish Behavior Analysis to Sensitively Assess the Hazard Potentials of Environmental Chemicals **2001**, 113-122		
6	Experimental studies on thermal behaviour and diurnal activity rhythms of juvenile European sturgeon (Acipenser sturio). *Journal of Applied Ichthyology*, **1999**, 15, 243-247	0.9	24
5	Habitat choice in shoals of roach as a function of water temperature and feeding rate. *Journal of Fish Biology*, **1998**, 53, 377-386	1.9	28
4	Impact of the cyanobacteria toxin, microcystin-lr on behaviour of zebrafish, danio rerio. *Water Research*, **1998**, 32, 948-952	12.5	99
3	Veränderung der Zinktoxizität in Wässern geringer und hoher Wasserhärte unter dem Einfluß eines synthetischen Huminstoffes. *Environmental Sciences Europe*, **1995**, 7, 155-158		4
2	Site Resource Inventories – a Missing Link in the Circular City's Information Flow. *Advances in Geosciences*,54, 23-32		6
1	The aquaponic principle: It is all about coupling. *Reviews in Aquaculture*,	8.9	17