

Andrew S Vowles

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

668
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

780
citing authors

#	ARTICLE	IF	CITATIONS
1	More than one million barriers fragment Europe's rivers. <i>Nature</i> , 2020, 588, 436-441.	27.8	314
2	A comprehensive assessment of stream fragmentation in Great Britain. <i>Science of the Total Environment</i> , 2019, 673, 756-762.	8.0	78
3	The influence of discharge and temperature on the ability of upstream migrant adult river lamprey (<i>Lampetra fluviatilis</i>) to pass experimental overshot and undershot weirs. <i>River Research and Applications</i> , 2011, 27, 488-498.	1.7	60
4	Effects of avoidance behaviour on downstream fish passage through areas of accelerating flow when light and dark. <i>Animal Behaviour</i> , 2014, 92, 101-109.	1.9	46
5	Effects of light on the behaviour of brown trout (<i>Salmo trutta</i>) encountering accelerating flow: Application to downstream fish passage. <i>Ecological Engineering</i> , 2012, 47, 247-253.	3.6	39
6	Efficiency of a dual density studded fish pass designed to mitigate for impeded upstream passage of juvenile European eels (<i>Anguilla anguilla</i>) at a model compound weir. <i>Fisheries Management and Ecology</i> , 2015, 22, 307-316.	2.0	27
7	Passage of European eel and river lamprey at a model weir provisioned with studded tiles. <i>Journal of Ecohydraulics</i> , 2017, 2, 88-98.	3.1	22
8	The importance of behaviour in predicting the impact of a novel small-scale hydropower device on the survival of downstream moving fish. <i>Ecological Engineering</i> , 2014, 69, 151-159.	3.6	18
9	Quantifying behaviour of migratory fish: Application of signal detection theory to fisheries engineering. <i>Ecological Engineering</i> , 2012, 41, 22-31.	3.6	17
10	Artificial light at night (ALAN) affects the downstream movement behaviour of the critically endangered European eel, <i>Anguilla anguilla</i> . <i>Environmental Pollution</i> , 2021, 274, 116585.	7.5	16
11	Challenging convention: the winter ecology of brown trout (<i>Salmo trutta</i>) in a productive and stable environment. <i>Freshwater Biology</i> , 2017, 62, 146-160.	2.4	9
12	Use of Cylindrical Bristle Clusters as a novel multispecies fish pass to facilitate upstream movement at gauging weirs. <i>Ecological Engineering</i> , 2020, 143, 105634.	3.6	5
13	Upstream movement of river lamprey through a culvert retrofitted with spoiler baffles under experimental conditions. <i>Journal of Ecohydraulics</i> , 2018, 3, 99-107.	3.1	4
14	The importance of seasonal macrophyte cover for the behaviour and performance of brown trout (<i>Salmo trutta</i>) in a small-scale hydropower device. <i>Ecological Engineering</i> , 2014, 69, 151-159.	2.4	3
15	Understanding fish-hydrodynamic interactions within Cylindrical Bristle Cluster arrays to improve passage over sloped weirs. <i>Journal of Ecohydraulics</i> , 0, , 1-9.	3.1	3
16	The response of common minnows, <i>Phoxinus phoxinus</i> , to visual cues under flowing and static water conditions. <i>Animal Behaviour</i> , 2021, 179, 289-296.	1.9	2