Juan Carlos GutiÃ©rrez-Estrada

List of Publications by Year
in descending order

45 papers	881 citations	516561 16 h-index	501076 28 g-index
45 all docs	45 docs citations	45 times ranked	876 citing authors

#	Article	IF	Citations
1	Pagellus genus catches time series in the FAO Major Fishing Areas 27 and 34: Analysis of fishery behaviour. Marine Policy, 2022, 136, 104912.	1.5	1
2	Fish abundance estimation with imaging sonar in semi-intensive aquaculture ponds. Aquacultural Engineering, 2022, 97, 102235.	1.4	9
3	Integrating local environmental data and information from non-driven citizen science to estimate jellyfish abundance in Costa del Sol (southern Spain). Estuarine, Coastal and Shelf Science, 2021, 249, 107112.	0.9	5
4	The Blackspot Seabream Fishery in the Strait of Gibraltar: Lessons and Future Perspectives of Shared Marine Resource. , 2021, , 629-657.		1
5	Historical changes of Blackspot seabream (<i>Pagellus bogaraveo</i>) landing patterns in the Strait of Gibraltar from 1983 to 2016: Environmental and legislation effects. Fisheries Oceanography, 2021, 30, 111-126.	0.9	4
6	Using mobile device's sensors to identify fishing activity. Journal of Marine Science and Technology, 2020, 25, 978-989.	1.3	3
7	Drought and Ecological Flows in the Lower Guadiana River Basin (Southwest Iberian Peninsula). Water (Switzerland), 2020, 12, 677.	1.2	7
8	Improving the interpretability of the effects of environmental factors on abundance of fish stocks. Ecological Indicators, 2020, 117, 106533.	2.6	5
9	Environment or catches? Assessment of the decline in blackspot seabream (Pagellus bogaraveo) abundance in the Strait of Gibraltar. Journal of Marine Systems, 2019, 190, 15-24.	0.9	8
10	Is it possible to differentiate between environmental and fishery effects on abundance–biomass variation? A case study of blackspot seabream (<i>Pagellus bogaraveo</i>) in the Strait of Gibraltar. Fisheries Oceanography, 2017, 26, 455-475.	0.9	8
11	Is the Atlantic surface temperature a good proxy for forecasting the recruitment of European eel in the Guadalquivir estuary?. Progress in Oceanography, 2015, 130, 112-124.	1.5	10
12	Effects of mesh size and towing speed on the multispecies catch rates of historical swept area surveys. Fisheries Research, 2015, 164, 143-152.	0.9	3
13	Implementación de sistemas de control borroso en actividades académicas dirigidas en las Escuelas de Ingeniería. Modelling in Science Education and Learning, 2015, 8, 37.	0.1	0
14	Assisted management of water exchange in traditional semi-intensive aquaculture ponds. Computers and Electronics in Agriculture, 2014, 101, 128-134.	3.7	6
15	Consistency of fuzzy rules in an ecological context. Ecological Modelling, 2013, 251, 187-198.	1.2	4
16	Effects of environmental conditions and fishing operations on the performance of a bottom trawl. ICES Journal of Marine Science, 2012, 69, 293-302.	1.2	11
17	Modeling inflow rates for the water exchange management in semi-intensive aquaculture ponds. Aquacultural Engineering, 2012, 48, 19-30.	1.4	16
18	Classification of Spanish autochthonous bovine breeds. Morphometric study using classical and heuristic techniques. Livestock Science, 2012, 143, 226-232.	0.6	8

#	Article	IF	Citations
19	The performance of three ordination methods applied to demersal fish data sets: stability and interpretability. Fisheries Management and Ecology, 2012, 19, 200-213.	1.0	8
20	Heuristic Modelling of the Water Resources Management in the Guadalquivir River Basin, Southern Spain. Water Resources Management, 2012, 26, 185-209.	1.9	20
21	Using indicators and models for an ecosystem approach to fisheries and aquaculture management: the anchovy fishery and Pacific oyster culture in Chile: case studies. Latin American Journal of Aquatic Research, 2012, 40, 955-969.	0.2	11
22	Anchovy (Engraulis ringens) and sardine (Sardinops sagax) abundance forecast off northern Chile: A multivariate ecosystemic neural network approach. Progress in Oceanography, 2010, 87, 242-250.	1.5	36
23	A heuristic approach to predicting water beetle diversity in temporary and fluctuating waters. Ecological Modelling, 2010, 221, 1451-1462.	1.2	27
24	Hook selectivity models assessment for black spot seabream. Classic and heuristic approaches. Fisheries Research, 2010, 102, 41-49.	0.9	12
25	Acoustic identification of small pelagic fish species in Chile using support vector machines and neural networks. Fisheries Research, 2010, 102, 115-122.	0.9	42
26	Seasonal patterns of three fish species in a Caribbean coastal gill-net fishery: Biologically induced or climate-related aggregations?. Fisheries Research, 2010, 106, 358-367.	0.9	16
27	Deep water longline selectivity for black spot seabream (Pagellus bogaraveo) in the Strait of Gibraltar. Fisheries Science, 2009, 75, 285-294.	0.7	6
28	Improved irrigation water demand forecasting using a soft-computing hybrid model. Biosystems Engineering, 2009, 102, 202-218.	1.9	117
29	Pacific sardine (Sardinops sagax, Jenyns 1842) landings prediction. A neural network ecosystemic approach. Fisheries Research, 2009, 100, 116-125.	0.9	34
30	Estimating fish community diversity from environmental features in the Tagus estuary (Portugal): Multiple Linear Regression and Artificial Neural Network approaches. Journal of Applied Ichthyology, 2008, 24, 150-162.	0.3	32
31	Pipes size selection of water distribution systems of fishfarms. Aquacultural Engineering, 2008, 39, 43-52.	1.4	5
32	Morphometric relations for body size and mouth dimensions for four fish species in the Strait of Gibraltar. Acta Ichthyologica Et Piscatoria, 2008, 38, 81-90.	0.3	6
33	Short-term forecasting of halibut CPUE: Linear and non-linear univariate approaches. Fisheries Research, 2007, 86, 120-128.	0.9	33
34	Monthly catch forecasting of anchovy Engraulis ringens in the north area of Chile: Non-linear univariate approach. Fisheries Research, 2007, 86, 188-200.	0.9	67
35	Artificial neural network approaches to one-step weekly prediction of Dinophysis acuminata blooms in Huelva (Western Andalucᅵa, Spain). Harmful Algae, 2007, 6, 361-371.	2.2	50
36	Water Temperature Regimen Analysis of Intensive Fishfarms associated with Cooling Effluents from Power Plants. Biosystems Engineering, 2007, 96, 581-591.	1.9	6

#	Article	IF	Citations
37	Use of Artificial Neural Networks in Near-Infrared Reflectance Spectroscopy Calibrations for Predicting the Inclusion Percentages of Wheat and Sunflower Meal in Compound Feedingstuffs. Applied Spectroscopy, 2006, 60, 1062-1069.	1.2	34
38	Optimal design of pumping stations of inland intensive fishfarms. Aquacultural Engineering, 2006, 35, 283-291.	1.4	9
39	SEDPA, an expert system for disease diagnosis in eel rearing systems. Aquacultural Engineering, 2005, 33, 110-125.	1.4	16
40	Estimación a corto plazo de la temperatura del agua. Aplicación en sistemas de producción en medio acuático. Ingeniería Del Agua, 2005, 12, 77.	0.2	6
41	Comparison between traditional methods and artificial neural networks for ammonia concentration forecasting in an eel (Anguilla anguilla L.) intensive rearing system. Aquacultural Engineering, 2004, 31, 183-203.	1.4	39
42	Water Delivery System Planning Considering Irrigation Simultaneity. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 247-255.	0.6	41
43	Demand Forecasting for Irrigation Water Distribution Systems. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 422-431.	0.6	55
44	Gonadosomatic index estimates of an introduced pumpkinseed (Lepomis gibbosus) population in a Mediterranean stream, using computational neural networks. Aquatic Sciences, 2000, 62, 350-363.	0.6	22
45	Distribution and Habitat Preferences of the Introduced MummichogFundulus heteroclitus(Linneaus) in South-western Spain. Estuarine, Coastal and Shelf Science, 1998, 46, 827-835.	0.9	22