

Teresa Serra

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,101
citations

279798
23
h-index

276875
41
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86
all docs

86
docs citations

86
times ranked

1743
citing authors

#	ARTICLE	IF	CITATIONS
1	Suspended sediment transport and deposition in sediment-replenished artificial floods in Mediterranean rivers. <i>Journal of Hydrology</i> , 2022, 609, 127756.	5.4	12
2	Zooplankton-based reactors for tertiary wastewater treatment: A pilot-scale case study. <i>Journal of Environmental Management</i> , 2021, 278, 111538.	7.8	7
3	Hydrodynamics and sediment deposition in turbidity currents: Comparing continuous and patchy vegetation canopies, and the effects of water depth. <i>Journal of Hydrology</i> , 2021, 594, 125750.	5.4	8
4	Meadow fragmentation influences <i>Posidonia oceanica</i> density at the edge of nearby gaps. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 249, 107106.	2.1	11
5	Mean residence time of lagoons in shallow vegetated floodplains. <i>Hydrological Processes</i> , 2021, 35, e14065.	2.6	2
6	Longitudinal self-directed competence development of university students through self-reflection. <i>Reflective Practice</i> , 2021, 22, 727-740.	1.4	7
7	The World of Edges in Submerged Vegetated Marine Canopies: From Patch to Canopy Scale. <i>Water (Switzerland)</i> , 2021, 13, 2430.	2.7	4
8	Particle capture by seagrass canopies under an oscillatory flow. <i>Coastal Engineering</i> , 2021, 169, 103972.	4.0	17
9	Recent Pockmark activity in Lake Banyoles (NE Spain) severely affected by changes in climate and land use. <i>Journal of Hydrology: Regional Studies</i> , 2021, 37, 100913.	2.4	1
10	Functional dynamics of vegetated model patches: The minimum patch size effect for canopy restoration. <i>Science of the Total Environment</i> , 2021, 795, 148854.	8.0	9
11	Vermifilter and zooplankton-based reactor integration as a nature-based system for wastewater treatment and reuse. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100153.	6.1	5
12	Cooperative Approaches and Academic Motivation towards Enhancing Pre-Service Teachers's Achievement. <i>Education Sciences</i> , 2021, 11, 705.	2.6	5
13	Vertical distribution of microplastics in water bodies causes sublethal effects and changes in <i>Daphnia magna</i> swimming behaviour. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 113001.	6.0	13
14	Assessment of zooplankton-based eco-sustainable wastewater treatment at laboratory scale. <i>Chemosphere</i> , 2020, 238, 124683.	8.2	15
15	Particle size segregation of turbidity current deposits in vegetated canopies. <i>Science of the Total Environment</i> , 2020, 703, 134784.	8.0	14
16	Synergistic effects of water temperature, microplastics and ammonium as second and third order stressors on <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2020, 267, 115439.	7.5	26
17	Emotional Self-Regulation through Introjective Practices in Physical Education. <i>Education Sciences</i> , 2020, 10, 208.	2.6	9
18	Fostering Critical Reflection in Primary Education through STEAM Approaches. <i>Education Sciences</i> , 2020, 10, 384.	2.6	24

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19	Fragmentation in Seagrass Canopies Can Alter Hydrodynamics and Sediment Deposition Rates. Water (Switzerland), 2020, 12, 3473.	2.7	8
20	Interdisciplinary Cooperative Educational Approaches to Foster Knowledge and Competences for Sustainable Development. Sustainability, 2020, 12, 8624.	3.2	20
21	Reflective Learning in Higher Education: Active Methodologies for Transformative Practices. Sustainability, 2020, 12, 3827.	3.2	48
22	The Mixing Regime and Turbidity of Lake Banyoles (NE Spain): Response to Climate Change. Water (Switzerland), 2020, 12, 1621.	2.7	4
23	Consolidated sediment resuspension in model vegetated canopies. Environmental Fluid Mechanics, 2019, 19, 1575-1598.	1.6	7
24	Optimal light conditions for Daphnia filtration. Science of the Total Environment, 2019, 686, 151-157.	8.0	18
25	Mediated food and hydrodynamics on the ingestion of microplastics by Daphnia magna. Environmental Pollution, 2019, 251, 434-441.	7.5	23
26	Functional responses of Daphnia magna to zero-mean flow turbulence. Scientific Reports, 2019, 9, 3844.	3.3	12
27	Supportive Peer Feedback in Tertiary Education: Analysis of Pre-Service Teachers' Perceptions. Education Sciences, 2019, 9, 280.	2.6	14
28	Pre-Service Teachers' Reflections on Cooperative Learning: Instructional Approaches and Identity Construction. Sustainability, 2019, 11, 5970.	3.2	27
29	Daphnia magna filtration, swimming and mortality under ammonium, nitrite, nitrate and phosphate. Science of the Total Environment, 2019, 656, 331-337.	8.0	17
30	Fragmented Canopies Control the Regimes of Gravity Current Development. Journal of Geophysical Research: Oceans, 2018, 123, 1631-1646.	2.6	6
31	The social dimension of firm performance: a data envelopment approach. Empirical Economics, 2018, 54, 189-206.	3.0	33
32	Corporate Sustainable Development. Revisiting the Relationship between Corporate Social Responsibility Dimensions. Sustainable Development, 2018, 26, 365-378.	12.5	45
33	Daphnia magna filtration efficiency and mobility in laminar to turbulent flows. Science of the Total Environment, 2018, 621, 626-633.	8.0	17
34	Temperature-driven response reversibility and short-term quasi-acclimation of Daphnia magna. PLoS ONE, 2018, 13, e0209705.	2.5	33
35	Local hydrodynamics at edges of marine canopies under oscillatory flows. PLoS ONE, 2018, 13, e0201737.	2.5	14
36	Evaluating Knowledge and Assessment-Centered Reflective-Based Learning Approaches. Sustainability, 2018, 10, 3122.	3.2	26

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37	Modelling price transmission and volatility spillover in the Slovenian wheat market. <i>Applied Economics</i> , 2017, 49, 4116-4126.	2.2	20
38	Influence of a flooding event discharge on accretion in wetlands. <i>Environmental Fluid Mechanics</i> , 2017, 17, 833-851.	1.6	1
39	Sediment deposition from turbidity currents in simulated aquatic vegetation canopies. <i>Sedimentology</i> , 2017, 64, 1132-1146.	3.1	12
40	Derivation of netput shadow prices under different levels of pest pressure. <i>Journal of Productivity Analysis</i> , 2017, 48, 25-34.	1.6	4
41	Impact of anthropogenically created canopy gaps on wave attenuation in a <i>Posidonia oceanica</i> seagrass meadow. <i>Marine Ecology - Progress Series</i> , 2017, 569, 103-116.	1.9	21
42	Interactions between Fragmented Seagrass Canopies and the Local Hydrodynamics. <i>PLoS ONE</i> , 2016, 11, e0156264.	2.5	26
43	The hydraulic retention time on the particle removal efficiency by <i>Daphnia magna</i> filtration on treated wastewater. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1433-1442.	3.5	11
44	The role of pest pressure in technical and environmental inefficiency analysis of Dutch arable farms: an event-specific data envelopment approach. <i>Journal of Productivity Analysis</i> , 2016, 46, 139-153.	1.6	15
45	Modified hydrodynamics in canopies with longitudinal gaps exposed to oscillatory flows. <i>Journal of Hydrology</i> , 2015, 531, 840-849.	5.4	16
46	Can We Improve Farm Performance? The Determinants of Farm Technical and Environmental Efficiency. <i>Applied Economic Perspectives and Policy</i> , 2015, 37, 692-717.	5.6	20
47	Tertiary treatment for wastewater reuse based on the <i>Daphnia magna</i> filtration “comparison with conventional tertiary treatments. <i>Water Science and Technology</i> , 2014, 70, 705-711.	2.5	19
48	Experimental observations on sediment resuspension within submerged model canopies under oscillatory flow. <i>Continental Shelf Research</i> , 2014, 91, 220-231.	1.8	49
49	Flow structure in canopy models dominated by progressive waves. <i>Journal of Hydrology</i> , 2013, 486, 281-292.	5.4	69
50	Filtering capacity of <i>Daphnia magna</i> on sludge particles in treated wastewater. <i>Water Research</i> , 2013, 47, 181-186.	11.3	38
51	Canopy-scale turbulence under oscillatory flow. <i>Continental Shelf Research</i> , 2013, 66, 9-18.	1.8	31
52	A model for the effect of submerged aquatic vegetation on turbulence induced by an oscillating grid. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 114, 23-30.	2.1	11
53	Localized algal blooms induced by river inflows in a canyon type reservoir. <i>Aquatic Sciences</i> , 2012, 74, 315-327.	1.5	17
54	Application of a “ κ ” formulation to model the effect of submerged aquatic vegetation on turbulence induced by an oscillating grid. <i>Continental Shelf Research</i> , 2012, 34, 1-6.	1.8	1

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55	Effect of submerged aquatic vegetation on turbulence induced by an oscillating grid. Continental Shelf Research, 2010, 30, 1019-1029.	1.8	45
56	Quantification of the Effect of Nonphotochemical Quenching on the Determination of <i>In Vivo</i> Chl <i>a</i> from Phytoplankton Along the Water Column of a Freshwater Reservoir. Photochemistry and Photobiology, 2009, 85, 321-331.	2.5	20
57	High sedimentation rates in a karstic lake associated with hydrothermal turbid plumes (Lake Banyoles,) Tj ETQq1 1 0.784314rgBT /Ov	2.1	9
58	Scaling analysis of single-plume convection from a hydrothermal source. Journal of Geophysical Research, 2008, 113, .	3.3	2
59	Efficiency of different shear devices on flocculation. Water Research, 2008, 42, 1113-1121.	11.3	91
60	The role of surface vertical mixing in phytoplankton distribution in a stratified reservoir. Limnology and Oceanography, 2007, 52, 620-634.	3.1	73
61	Anomalous rainfall and associated atmospheric circulation in the northeast Spanish Mediterranean area and its relationship to sediment fluidization events in a lake. Water Resources Research, 2007, 43, .	4.2	9
62	The internal wave field in Sau reservoir: Observation and modeling of a third vertical mode. Limnology and Oceanography, 2005, 50, 1326-1333.	3.1	35
63	Behaviour and dynamics of a hydrothermal plume in Lake Banyoles, Catalonia, NE Spain. Sedimentology, 2005, 52, 795-808.	3.1	20
64	Effects of emergent vegetation on lateral diffusion in wetlands. Water Research, 2004, 38, 139-147.	11.3	79
65	Effects of the water withdrawal in the stratification patterns of a reservoir. Hydrobiologia, 2003, 504, 21-28.	2.0	86
66	The role of advection and turbulent mixing in the vertical distribution of phytoplankton. Estuarine, Coastal and Shelf Science, 2003, 56, 53-62.	2.1	26
67	Spatio-temporal heterogeneity in a planktonic <i>Thiocystis minor</i> population, studied by laser in situ particle analysis. Freshwater Biology, 2003, 48, 698-708.	2.4	3
68	Hydrothermal plumes trapped by thermal stratification. Geophysical Research Letters, 2003, 30, .	4.0	8
69	Observations of the Particle Size Distribution and Concentration in a Coastal System using an In Situ Laser Analyzer. Marine Technology Society Journal, 2002, 36, 59-69.	0.4	14
70	Effects of a turbid hydrothermal plume on the sedimentation rates in a karstic lake. Geophysical Research Letters, 2002, 29, 25-1.	4.0	23
71	Seasonal development of a turbid hydrothermal lake plume and the effects on the fish distribution. Water Research, 2002, 36, 2753-2760.	11.3	19
72	A study of the evolution of the particle boundary layer in a reservoir, using laser particle sizing. Water Research, 2002, 36, 4293-4300.	11.3	8

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73	Sediment fluidization events in a lake caused by large monthly rainfalls. Geophysical Research Letters, 2002, 29, 101-1-101-3.	4.0	18
74	Quantified distribution of diatoms during the stratified [2pt] period of Boadella reservoir. Hydrobiologia, 2002, 489, 235-244.	2.0	11
75	Observations of a hydrothermal plume in a karstic lake. Limnology and Oceanography, 2001, 46, 197-203.	3.1	21
76	Evaluation of Laser In Situ Scattering Instrument for Measuring Concentration of Phytoplankton, Purple Sulfur Bacteria, and Suspended Inorganic Sediments in Lakes. Journal of Environmental Engineering, ASCE, 2001, 127, 1023-1030.	1.4	47
77	Flow and particle distributions in a nearshore seagrass meadow before and after a storm. Marine Ecology - Progress Series, 2001, 218, 95-106.	1.9	124
78	Particle and turbulence measurements in lakes: application to the rising plume of Lake Banyoles. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 256-260.	0.1	1
79	Collision Frequencies of Fractal Bacterial Aggregates with Small Particles in a Sheared Fluid. Environmental Science & Technology, 1999, 33, 2247-2251.	10.0	30
80	Structure of the Aggregates During the Process of Aggregation and Breakup Under a Shear Flow. Journal of Colloid and Interface Science, 1998, 206, 505-511.	9.4	92
81	Effect of the shear and volume fraction on the aggregation and breakup of particles. AIChE Journal, 1998, 44, 1724-1730.	3.6	85
82	Modelling the Aggregation and Break-up of Fractal Aggregates in a Shear Flow. Flow, Turbulence and Combustion, 1997, 59, 255-268.	0.2	23
83	Aggregation and Breakup of Particles in a Shear Flow. Journal of Colloid and Interface Science, 1997, 187, 466-473.	9.4	129
84	On the presence of aggregates in the basins of Lake Banyoles. Geophysical Research Letters, 1996, 23, 2737-2740.	4.0	8