

Teresa Serra

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,101
citations

318942

23
h-index

312153

41
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docs citations

86
times ranked

1895
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.	2.3	12
2	Zooplankton-based reactors for tertiary wastewater treatment: A pilot-scale case study. <i>Journal of Environmental Management</i> , 2021, 278, 111538.	3.8	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.	2.3	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.	0.9	11
5	Mean residence time of lagoons in shallow vegetated floodplains. <i>Hydrological Processes</i> , 2021, 35, e14065.	1.1	2
6	Longitudinal self-directed competence development of university students through self-reflection. <i>Reflective Practice</i> , 2021, 22, 727-740.	0.7	7
7	The World of Edges in Submerged Vegetated Marine Canopies: From Patch to Canopy Scale. <i>Water (Switzerland)</i> , 2021, 13, 2430.	1.2	4
8	Particle capture by seagrass canopies under an oscillatory flow. <i>Coastal Engineering</i> , 2021, 169, 103972.	1.7	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.	1.0	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.	3.9	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.	2.9	5
12	Cooperative Approaches and Academic Motivation towards Enhancing Pre-Service Teachers' Achievement. <i>Education Sciences</i> , 2021, 11, 705.	1.4	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.	2.9	13
14	Assessment of zooplankton-based eco-sustainable wastewater treatment at laboratory scale. <i>Chemosphere</i> , 2020, 238, 124683.	4.2	15
15	Particle size segregation of turbidity current deposits in vegetated canopies. <i>Science of the Total Environment</i> , 2020, 703, 134784.	3.9	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.	3.7	26
17	Emotional Self-Regulation through Introjective Practices in Physical Education. <i>Education Sciences</i> , 2020, 10, 208.	1.4	9
18	Fostering Critical Reflection in Primary Education through STEAM Approaches. <i>Education Sciences</i> , 2020, 10, 384.	1.4	24

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19	Fragmentation in Seagrass Canopies Can Alter Hydrodynamics and Sediment Deposition Rates. <i>Water</i> (Switzerland), 2020, 12, 3473.	1.2	8
20	Interdisciplinary Cooperative Educational Approaches to Foster Knowledge and Competences for Sustainable Development. <i>Sustainability</i> , 2020, 12, 8624.	1.6	20
21	Reflective Learning in Higher Education: Active Methodologies for Transformative Practices. <i>Sustainability</i> , 2020, 12, 3827.	1.6	48
22	The Mixing Regime and Turbidity of Lake Banyoles (NE Spain): Response to Climate Change. <i>Water</i> (Switzerland), 2020, 12, 1621.	1.2	4
23	Consolidated sediment resuspension in model vegetated canopies. <i>Environmental Fluid Mechanics</i> , 2019, 19, 1575-1598.	0.7	7
24	Optimal light conditions for Daphnia filtration. <i>Science of the Total Environment</i> , 2019, 686, 151-157.	3.9	18
25	Mediated food and hydrodynamics on the ingestion of microplastics by <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2019, 251, 434-441.	3.7	23
26	Functional responses of <i>Daphnia magna</i> to zero-mean flow turbulence. <i>Scientific Reports</i> , 2019, 9, 3844.	1.6	12
27	Supportive Peer Feedback in Tertiary Education: Analysis of Pre-Service Teachers' Perceptions. <i>Education Sciences</i> , 2019, 9, 280.	1.4	14
28	Pre-Service Teachers' Reflections on Cooperative Learning: Instructional Approaches and Identity Construction. <i>Sustainability</i> , 2019, 11, 5970.	1.6	27
29	<i>Daphnia magna</i> filtration, swimming and mortality under ammonium, nitrite, nitrate and phosphate. <i>Science of the Total Environment</i> , 2019, 656, 331-337.	3.9	17
30	Fragmented Canopies Control the Regimes of Gravity Current Development. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1631-1646.	1.0	6
31	The social dimension of firm performance: a data envelopment approach. <i>Empirical Economics</i> , 2018, 54, 189-206.	1.5	33
32	Corporate Sustainable Development. Revisiting the Relationship between Corporate Social Responsibility Dimensions. <i>Sustainable Development</i> , 2018, 26, 365-378.	6.9	45
33	<i>Daphnia magna</i> filtration efficiency and mobility in laminar to turbulent flows. <i>Science of the Total Environment</i> , 2018, 621, 626-633.	3.9	17
34	Temperature-driven response reversibility and short-term quasi-acclimation of <i>Daphnia magna</i> . <i>PLoS ONE</i> , 2018, 13, e0209705.	1.1	33
35	Local hydrodynamics at edges of marine canopies under oscillatory flows. <i>PLoS ONE</i> , 2018, 13, e0201737.	1.1	14
36	Evaluating Knowledge and Assessment-Centered Reflective-Based Learning Approaches. <i>Sustainability</i> , 2018, 10, 3122.	1.6	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.	1.2	20
38	Influence of a flooding event discharge on accretion in wetlands. <i>Environmental Fluid Mechanics</i> , 2017, 17, 833-851.	0.7	1
39	Sediment deposition from turbidity currents in simulated aquatic vegetation canopies. <i>Sedimentology</i> , 2017, 64, 1132-1146.	1.6	12
40	Derivation of netput shadow prices under different levels of pest pressure. <i>Journal of Productivity Analysis</i> , 2017, 48, 25-34.	0.8	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.	0.9	21
42	Interactions between Fragmented Seagrass Canopies and the Local Hydrodynamics. <i>PLoS ONE</i> , 2016, 11, e0156264.	1.1	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.	1.8	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.	0.8	15
45	Modified hydrodynamics in canopies with longitudinal gaps exposed to oscillatory flows. <i>Journal of Hydrology</i> , 2015, 531, 840-849.	2.3	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.	3.1	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.	1.2	19
48	Experimental observations on sediment resuspension within submerged model canopies under oscillatory flow. <i>Continental Shelf Research</i> , 2014, 91, 220-231.	0.9	49
49	Flow structure in canopy models dominated by progressive waves. <i>Journal of Hydrology</i> , 2013, 486, 281-292.	2.3	69
50	Filtering capacity of <i>Daphnia magna</i> on sludge particles in treated wastewater. <i>Water Research</i> , 2013, 47, 181-186.	5.3	38
51	Canopy-scale turbulence under oscillatory flow. <i>Continental Shelf Research</i> , 2013, 66, 9-18.	0.9	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.	0.9	11
53	Localized algal blooms induced by river inflows in a canyon type reservoir. <i>Aquatic Sciences</i> , 2012, 74, 315-327.	0.6	17
54	Application of a " 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.	0.9	1

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55	Effect of submerged aquatic vegetation on turbulence induced by an oscillating grid. <i>Continental Shelf Research</i> , 2010, 30, 1019-1029.	0.9	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. <i>Photochemistry and Photobiology</i> , 2009, 85, 321-331.	1.3	20
57	High sedimentation rates in a karstic lake associated with hydrothermal turbid plumes (Lake Banyoles.) <i>Tj ETQq1 1 0,784314,rgBT /O</i>	1.0	9
58	Scaling analysis of single-plume convection from a hydrothermal source. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2
59	Efficiency of different shear devices on flocculation. <i>Water Research</i> , 2008, 42, 1113-1121.	5.3	91
60	The role of surface vertical mixing in phytoplankton distribution in a stratified reservoir. <i>Limnology and Oceanography</i> , 2007, 52, 620-634.	1.6	73
61	Anomalous rainfall and associated atmospheric circulation in the northeast Spanish Mediterranean area and its relationship to sediment fluidization events in a lake. <i>Water Resources Research</i> , 2007, 43, .	1.7	9
62	The internal wave field in Sau reservoir: Observation and modeling of a third vertical mode. <i>Limnology and Oceanography</i> , 2005, 50, 1326-1333.	1.6	35
63	Behaviour and dynamics of a hydrothermal plume in Lake Banyoles, Catalonia, NE Spain. <i>Sedimentology</i> , 2005, 52, 795-808.	1.6	20
64	Effects of emergent vegetation on lateral diffusion in wetlands. <i>Water Research</i> , 2004, 38, 139-147.	5.3	79
65	Effects of the water withdrawal in the stratification patterns of a reservoir. <i>Hydrobiologia</i> , 2003, 504, 21-28.	1.0	86
66	The role of advection and turbulent mixing in the vertical distribution of phytoplankton. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 56, 53-62.	0.9	26
67	Spatio-temporal heterogeneity in a planktonic <i>Thiocystis minor</i> population, studied by laser in situ particle analysis. <i>Freshwater Biology</i> , 2003, 48, 698-708.	1.2	3
68	Hydrothermal plumes trapped by thermal stratification. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	8
69	Observations of the Particle Size Distribution and Concentration in a Coastal System using an In Situ Laser Analyzer. <i>Marine Technology Society Journal</i> , 2002, 36, 59-69.	0.3	14
70	Effects of a turbid hydrothermal plume on the sedimentation rates in a karstic lake. <i>Geophysical Research Letters</i> , 2002, 29, 25-1.	1.5	23
71	Seasonal development of a turbid hydrothermal lake plume and the effects on the fish distribution. <i>Water Research</i> , 2002, 36, 2753-2760.	5.3	19
72	A study of the evolution of the particle boundary layer in a reservoir, using laser particle sizing. <i>Water Research</i> , 2002, 36, 4293-4300.	5.3	8

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73	Sediment fluidization events in a lake caused by large monthly rainfalls. <i>Geophysical Research Letters</i> , 2002, 29, 101-1-101-3.	1.5	18
74	Quantified distribution of diatoms during the stratified [2pt] period of Boadella reservoir. <i>Hydrobiologia</i> , 2002, 489, 235-244.	1.0	11
75	Observations of a hydrothermal plume in a karstic lake. <i>Limnology and Oceanography</i> , 2001, 46, 197-203.	1.6	21
76	Evaluation of Laser In Situ Scattering Instrument for Measuring Concentration of Phytoplankton, Purple Sulfur Bacteria, and Suspended Inorganic Sediments in Lakes. <i>Journal of Environmental Engineering, ASCE</i> , 2001, 127, 1023-1030.	0.7	47
77	Flow and particle distributions in a nearshore seagrass meadow before and after a storm. <i>Marine Ecology - Progress Series</i> , 2001, 218, 95-106.	0.9	124
78	Particle and turbulence measurements in lakes: application to the rising plume of Lake Banyoles. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 256-260.	0.1	1
79	Collision Frequencies of Fractal Bacterial Aggregates with Small Particles in a Sheared Fluid. <i>Environmental Science & Technology</i> , 1999, 33, 2247-2251.	4.6	30
80	Structure of the Aggregates During the Process of Aggregation and Breakup Under a Shear Flow. <i>Journal of Colloid and Interface Science</i> , 1998, 206, 505-511.	5.0	92
81	Effect of the shear and volume fraction on the aggregation and breakup of particles. <i>AICHE Journal</i> , 1998, 44, 1724-1730.	1.8	85
82	Modelling the Aggregation and Break-up of Fractal Aggregates in a Shear Flow. <i>Flow, Turbulence and Combustion</i> , 1997, 59, 255-268.	0.2	23
83	Aggregation and Breakup of Particles in a Shear Flow. <i>Journal of Colloid and Interface Science</i> , 1997, 187, 466-473.	5.0	129
84	On the presence of aggregates in the basins of Lake Banyoles. <i>Geophysical Research Letters</i> , 1996, 23, 2737-2740.	1.5	8