

Jordi Colomer

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

2,128
citations

293460

24
h-index

325983

40
g-index

101
all docs

101
docs citations

101
times ranked

1911
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	Dependence of Socio-Emotional Competence Expression on Gender and Grade for K5â€“K12 Students. <i>Education Sciences</i> , 2022, 12, 341.	1.4	1
3	Zooplankton-based reactors for tertiary wastewater treatment: A pilot-scale case study. <i>Journal of Environmental Management</i> , 2021, 278, 111538.	3.8	7
4	The reflection level and the construction of professional identity of university students. <i>Reflective Practice</i> , 2021, 22, 73-85.	0.7	16
5	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
6	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
7	Mean residence time of lagoons in shallow vegetated floodplains. <i>Hydrological Processes</i> , 2021, 35, e14065.	1.1	2
8	Formulating Modes of Cooperative Learning for Education for Sustainable Development. <i>Sustainability</i> , 2021, 13, 3465.	1.6	9
9	Longitudinal self-directed competence development of university students through self-reflection. <i>Reflective Practice</i> , 2021, 22, 727-740.	0.7	7
10	The World of Edges in Submerged Vegetated Marine Canopies: From Patch to Canopy Scale. <i>Water (Switzerland)</i> , 2021, 13, 2430.	1.2	4
11	Sustainable Development of Studentsâ€™ Assumed Responsibility for Their Own Learning during Participatory Action Research. <i>Sustainability</i> , 2021, 13, 10183.	1.6	2
12	Cooperative Learning to Reduce Inequalities: Instructional Approaches and Dimensions. <i>Sustainability</i> , 2021, 13, 10234.	1.6	9
13	Particle capture by seagrass canopies under an oscillatory flow. <i>Coastal Engineering</i> , 2021, 169, 103972.	1.7	17
14	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
15	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
16	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
17	Cooperative Approaches and Academic Motivation towards Enhancing Pre-Service Teachersâ€™ Achievement. <i>Education Sciences</i> , 2021, 11, 705.	1.4	5
18	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

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19	Assessment of zooplankton-based eco-sustainable wastewater treatment at laboratory scale. <i>Chemosphere</i> , 2020, 238, 124683.	4.2	15
20	Particle size segregation of turbidity current deposits in vegetated canopies. <i>Science of the Total Environment</i> , 2020, 703, 134784.	3.9	14
21	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
22	Students'™ Social Construction of Knowledge through Cooperative Learning. <i>Sustainability</i> , 2020, 12, 9606.	1.6	7
23	Emotional Self-Regulation through Introjective Practices in Physical Education. <i>Education Sciences</i> , 2020, 10, 208.	1.4	9
24	Fostering Critical Reflection in Primary Education through STEAM Approaches. <i>Education Sciences</i> , 2020, 10, 384.	1.4	24
25	Interdisciplinary Cooperative Educational Approaches to Foster Knowledge and Competences for Sustainable Development. <i>Sustainability</i> , 2020, 12, 8624.	1.6	20
26	Reflective Learning in Higher Education: Active Methodologies for Transformative Practices. <i>Sustainability</i> , 2020, 12, 3827.	1.6	48
27	The Mixing Regime and Turbidity of Lake Banyoles (NE Spain): Response to Climate Change. <i>Water (Switzerland)</i> , 2020, 12, 1621.	1.2	4
28	Moral Education for Sustainable Development: Comparison of University Teachers'™ Perceptions in China and Pakistan. <i>Sustainability</i> , 2020, 12, 3014.	1.6	37
29	Consolidated sediment resuspension in model vegetated canopies. <i>Environmental Fluid Mechanics</i> , 2019, 19, 1575-1598.	0.7	7
30	Optimal light conditions for <i>Daphnia</i> filtration. <i>Science of the Total Environment</i> , 2019, 686, 151-157.	3.9	18
31	Teachers'™ involvement and students'™ self-efficacy: Keys to achievement in higher education. <i>PLoS ONE</i> , 2019, 14, e0216865.	1.1	53
32	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
33	Functional responses of <i>Daphnia magna</i> to zero-mean flow turbulence. <i>Scientific Reports</i> , 2019, 9, 3844.	1.6	12
34	Supportive Peer Feedback in Tertiary Education: Analysis of Pre-Service Teachers'™ Perceptions. <i>Education Sciences</i> , 2019, 9, 280.	1.4	14
35	Pre-Service Teachers'™ Reflections on Cooperative Learning: Instructional Approaches and Identity Construction. <i>Sustainability</i> , 2019, 11, 5970.	1.6	27
36	Validating the Narrative Reflection Assessment Rubric (NARRA) for reflective narratives in higher education. <i>Assessment and Evaluation in Higher Education</i> , 2019, 44, 155-168.	3.9	23

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37	Daphnia magna filtration, swimming and mortality under ammonium, nitrite, nitrate and phosphate. Science of the Total Environment, 2019, 656, 331-337.	3.9	17
38	Fragmented Canopies Control the Regimes of Gravity Current Development. Journal of Geophysical Research: Oceans, 2018, 123, 1631-1646.	1.0	6
39	Daphnia magna filtration efficiency and mobility in laminar to turbulent flows. Science of the Total Environment, 2018, 621, 626-633.	3.9	17
40	Temperature-driven response reversibility and short-term quasi-acclimation of Daphnia magna. PLoS ONE, 2018, 13, e0209705.	1.1	33
41	Local hydrodynamics at edges of marine canopies under oscillatory flows. PLoS ONE, 2018, 13, e0201737.	1.1	14
42	Analysing Emotions and Social Skills in Physical Education. Sustainability, 2018, 10, 1585.	1.6	33
43	Evaluating Knowledge and Assessment-Centered Reflective-Based Learning Approaches. Sustainability, 2018, 10, 3122.	1.6	26
44	El moviment, un llenguatge per créixer. Apunts: Educació Física I Esports, 2018, , 146-155.	0.2	2
45	El movimiento, un lenguaje para crecer [Movement: A Language for Growing]. Apunts Educacion Fisica Y Deportes, 2018, , 146-155.	0.0	8
46	REFLECTIVE ANALYSIS OF UNDERGRADUATE STUDENTS WHEN WORKING ON NON-FORMAL SCIENCE ACTIVITIES. INTED Proceedings, 2018, , .	0.0	0
47	Improving and evaluating reflective narratives: A rubric for higher education students. Teaching and Teacher Education, 2017, 63, 148-158.	1.6	32
48	Sediment deposition from turbidity currents in simulated aquatic vegetation canopies. Sedimentology, 2017, 64, 1132-1146.	1.6	12
49	Impact of anthropogenically created canopy gaps on wave attenuation in a Posidonia oceanica seagrass meadow. Marine Ecology - Progress Series, 2017, 569, 103-116.	0.9	21
50	Interactions between Fragmented Seagrass Canopies and the Local Hydrodynamics. PLoS ONE, 2016, 11, e0156264.	1.1	26
51	The hydraulic retention time on the particle removal efficiency by Daphnia magna filtration on treated wastewater. International Journal of Environmental Science and Technology, 2016, 13, 1433-1442.	1.8	11
52	Reflective learning in higher education: a qualitative study on students' perceptions. Studies in Higher Education, 2016, 41, 1008-1022.	2.9	63
53	Modified hydrodynamics in canopies with longitudinal gaps exposed to oscillatory flows. Journal of Hydrology, 2015, 531, 840-849.	2.3	16
54	Tertiary treatment for wastewater reuse based on the Daphnia magna filtration " comparison with conventional tertiary treatments. Water Science and Technology, 2014, 70, 705-711.	1.2	19

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55	Experimental observations on sediment resuspension within submerged model canopies under oscillatory flow. <i>Continental Shelf Research</i> , 2014, 91, 220-231.	0.9	49
56	Flow structure in canopy models dominated by progressive waves. <i>Journal of Hydrology</i> , 2013, 486, 281-292.	2.3	69
57	Filtering capacity of <i>Daphnia magna</i> on sludge particles in treated wastewater. <i>Water Research</i> , 2013, 47, 181-186.	5.3	38
58	Tutoring as Evidence of a Reflective Practice: A Case Study. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 93, 356-363.	0.5	3
59	Reflective Learning in Higher Education: A Comparative Analysis. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 93, 364-370.	0.5	31
60	Canopy-scale turbulence under oscillatory flow. <i>Continental Shelf Research</i> , 2013, 66, 9-18.	0.9	31
61	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
62	Localized algal blooms induced by river inflows in a canyon type reservoir. <i>Aquatic Sciences</i> , 2012, 74, 315-327.	0.6	17
63	Application of a k- ϵ 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
64	Effect of submerged aquatic vegetation on turbulence induced by an oscillating grid. <i>Continental Shelf Research</i> , 2010, 30, 1019-1029.	0.9	45
65	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
66	High sedimentation rates in a karstic lake associated with hydrothermal turbid plumes (Lake Banyoles.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.0	9
67	Scaling analysis of single-plume convection from a hydrothermal source. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	2
68	Efficiency of different shear devices on flocculation. <i>Water Research</i> , 2008, 42, 1113-1121.	5.3	91
69	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
70	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
71	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
72	Behaviour and dynamics of a hydrothermal plume in Lake Banyoles, Catalonia, NE Spain. <i>Sedimentology</i> , 2005, 52, 795-808.	1.6	20

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73	Experimental analysis of coagulation of particles under low-shear flow. <i>Water Research</i> , 2005, 39, 2994-3000.	5.3	57
74	Effects of the water withdrawal in the stratification patterns of a reservoir. <i>Hydrobiologia</i> , 2003, 504, 21-28.	1.0	86
75	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
76	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
77	Hydrothermal plumes trapped by thermal stratification. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	8
78	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
79	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
80	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
81	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
82	Quantified distribution of diatoms during the stratified [2pt] period of Boadella reservoir. <i>Hydrobiologia</i> , 2002, 489, 235-244.	1.0	11
83	Observations of a hydrothermal plume in a karstic lake. <i>Limnology and Oceanography</i> , 2001, 46, 197-203.	1.6	21
84	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
85	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
86	Fluidization of sediments in a conical basin by subterranean springs: relevance to Lake Banyoles. <i>Aquatic Sciences</i> , 2000, 62, 79.	0.6	1
87	Development of a turbid layer in conical basins and its application to Lake Banyoles. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 2000, 27, 233-237.	0.1	0
88	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
89	Resuspension of Sediments by Multiple Jets. <i>Journal of Hydraulic Engineering</i> , 1999, 125, 765-770.	0.7	4
90	Turbulent convection from isolated sources. <i>Dynamics of Atmospheres and Oceans</i> , 1999, 30, 125-148.	0.7	30

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91	Sediment entrainment in karst basins. Aquatic Sciences, 1998, 60, 338.	0.6	17
92	Aggregation and Breakup of Particles in a Shear Flow. Journal of Colloid and Interface Science, 1997, 187, 466-473.	5.0	129
93	Modelling spectral irradiance in freshwater in relation to phytoplankton and solar radiation. Ecological Modelling, 1996, 87, 59-68.	1.2	11
94	On the presence of aggregates in the basins of Lake Banyoles. Geophysical Research Letters, 1996, 23, 2737-2740.	1.5	8
95	DAYTIME HEAT BALANCE FOR ESTIMATING NON-RADIATIVE FLUXES OF LAKE BANYOLES, SPAIN. Hydrological Processes, 1996, 10, 721-726.	1.1	13
96	Flow characteristics of a gravity current induced by differential cooling in a small lake. Aquatic Sciences, 1996, 58, 367-377.	0.6	8
97	Resuspension of Particle Bed by Round Vertical Jet. Journal of Environmental Engineering, ASCE, 1996, 122, 864-869.	0.7	5
98	Bottom currents induced by baroclinic forcing in Lake Banyoles (Spain). Aquatic Sciences, 1993, 55, 206-227.	0.6	22