

Gianbattista Bussi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/350737/publications.pdf>

Version: 2024-02-01

40
papers

1,784
citations

236925

25
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	A theoretical assessment of microplastic transport in river catchments and their retention by soils and river sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1050-1059.	3.5	455
2	Modelling the future impacts of climate and land-use change on suspended sediment transport in the River Thames (UK). <i>Journal of Hydrology</i> , 2016, 542, 357-372.	5.4	103
3	Effects of afforestation on runoff and sediment load in an upland Mediterranean catchment. <i>Science of the Total Environment</i> , 2016, 540, 144-157.	8.0	90
4	Impacts of climate change, land-use change and phosphorus reduction on phytoplankton in the River Thames (UK). <i>Science of the Total Environment</i> , 2016, 572, 1507-1519.	8.0	76
5	Sediment yield model implementation based on check dam infill stratigraphy in a semiarid Mediterranean catchment. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3339-3354.	4.9	70
6	Distributed sediment yield modelling: Importance of initial sediment conditions. <i>Environmental Modelling and Software</i> , 2014, 58, 58-70.	4.5	55
7	Modelling heavy metals in the Buriganga River System, Dhaka, Bangladesh: Impacts of tannery pollution control. <i>Science of the Total Environment</i> , 2019, 697, 134090.	8.0	55
8	A large set of potential past, present and future hydro-meteorological time series for the UK. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 611-634.	4.9	54
9	Impact of dams and climate change on suspended sediment flux to the Mekong delta. <i>Science of the Total Environment</i> , 2021, 755, 142468.	8.0	54
10	Using post-flood surveys and geomorphologic mapping to evaluate hydrological and hydraulic models: The flash flood of the Girona River (Spain) in 2007. <i>Journal of Hydrology</i> , 2016, 541, 310-329.	5.4	48
11	Water quality modelling of the Mekong River basin: Climate change and socioeconomics drive flow and nutrient flux changes to the Mekong Delta. <i>Science of the Total Environment</i> , 2019, 673, 218-229.	8.0	48
12	Ecotoxicity of microplastics to freshwater biota: Considering exposure and hazard across trophic levels. <i>Science of the Total Environment</i> , 2022, 816, 151638.	8.0	46
13	Modelling the impact of climate change on sediment yield in a highly erodible Mediterranean catchment. <i>Journal of Soils and Sediments</i> , 2014, 14, 1921-1937.	3.0	44
14	Modeling Sediment Yield in Semi-Arid Pasture Micro-Catchments, NW Iran. <i>Land Degradation and Development</i> , 2017, 28, 1274-1286.	3.9	42
15	Restoring water quality in the polluted Turag-Tongj-Balu river system, Dhaka: Modelling nutrient and total coliform intervention strategies. <i>Science of the Total Environment</i> , 2018, 631-632, 223-232.	8.0	42
16	Dynamic response of land use and river nutrient concentration to long-term climatic changes. <i>Science of the Total Environment</i> , 2017, 590-591, 818-831.	8.0	40
17	Dynamic modelling of multiple phytoplankton groups in rivers with an application to the Thames river system in the UK. <i>Environmental Modelling and Software</i> , 2015, 74, 75-91.	4.5	35
18	Seasonal and Interannual Changes in Sediment Transport Identified through Sediment Rating Curves. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	35

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19	Patterns of runoff and sediment production in response to land-use changes in an ungauged Mediterranean catchment. <i>Journal of Hydrology</i> , 2015, 531, 1054-1066.	5.4	33
20	An INCA model for pathogens in rivers and catchments: Model structure, sensitivity analysis and application to the River Thames catchment, UK. <i>Science of the Total Environment</i> , 2016, 572, 1601-1610.	8.0	31
21	Fate and transport of polychlorinated biphenyls (PCBs) in the River Thames catchment – Insights from a coupled multimedia fate and hydrobiogeochemical transport model. <i>Science of the Total Environment</i> , 2016, 572, 1461-1470.	8.0	29
22	Modelling Microplastics in the River Thames: Sources, Sinks and Policy Implications. <i>Water (Switzerland)</i> , 2021, 13, 861.	2.7	29
23	Flow regulation increases food-chain length through omnivory mechanisms in a Mediterranean river network. <i>Freshwater Biology</i> , 2016, 61, 1536-1549.	2.4	28
24	Can a parsimonious model implemented with satellite data be used for modelling the vegetation dynamics and water cycle in water-controlled environments?. <i>Ecological Modelling</i> , 2016, 324, 45-53.	2.5	27
25	Climate change impacts on discharges of the Rhone River in Lyon by the end of the twenty-first century: model results and implications. <i>Regional Environmental Change</i> , 2015, 15, 505-515.	2.9	25
26	During a winter of storms in a small UK catchment, hydrology and water quality responses follow a clear rural-urban gradient. <i>Journal of Hydrology</i> , 2017, 545, 463-477.	5.4	25
27	Assessment of Risks to Public Water Supply From Low Flows and Harmful Water Quality in a Changing Climate. <i>Water Resources Research</i> , 2019, 55, 10386-10404.	4.2	25
28	Modelling metaldehyde in catchments: a River Thames case-study. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 586-595.	3.5	19
29	Climate and land-use change impact on faecal indicator bacteria in a temperate maritime catchment (the River Conwy, Wales). <i>Journal of Hydrology</i> , 2017, 553, 248-261.	5.4	19
30	Modelling the effects of climate and land-use change on the hydrochemistry and ecology of the River Wye (Wales). <i>Science of the Total Environment</i> , 2018, 627, 733-743.	8.0	17
31	Impacts of Climate Change and Population Growth on River Nutrient Loads in a Data Scarce Region: The Upper Awash River (Ethiopia). <i>Sustainability</i> , 2021, 13, 1254.	3.2	16
32	A New, Catchment-Scale Integrated Water Quality Model of Phosphorus, Dissolved Oxygen, Biochemical Oxygen Demand and Phytoplankton: INCA-Phosphorus Ecology (PEco). <i>Water (Switzerland)</i> , 2021, 13, 723.	2.7	13
33	Transient Two-Dimensional Simulation of Real Flood Events in a Mediterranean Floodplain. <i>Journal of Hydraulic Engineering</i> , 2012, 138, 629-641.	1.5	10
34	Modeling the sedimentary response of a large Pyrenean basin to global change. <i>Journal of Soils and Sediments</i> , 2017, 17, 2677-2690.	3.0	9
35	Natural and anthropogenic sources of salinity in the Awash River and Lake Beseka (Ethiopia): Modelling impacts of climate change and lake-river interactions. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100865.	2.4	8
36	Impacts of droughts on low flows and water quality near power stations. <i>Hydrological Sciences Journal</i> , 2020, 65, 898-913.	2.6	6

#	ARTICLE	IF	CITATIONS
37	High return period annual maximum reservoir water level quantiles estimation using synthetic generated flood events. , 2011, , 185-190.		6
38	A New Multibranch Model for Metals in River Systems: Impacts and Control of Tannery Wastes in Bangladesh. Sustainability, 2021, 13, 3556.	3.2	5
39	Análisis del impacto del cambio climático en el ciclo de sedimentos de la cuenca del río Tago (España) mediante un modelo hidrológico distribuido. Ribagua, 2014, 1, 14-25.	0.3	3
40	Green infrastructure and climate change impacts on the flows and water quality of urban catchments: Salmons Brook and Pymmes Brook in north-east London. Hydrology Research, 0, , .	2.7	2