

# Guido Zolezzi

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

2,532  
citations

186265

28  
h-index

206112

48  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing HyPeak: An international network on hydropeaking research, practice, and policy. <i>River Research and Applications</i> , 2023, 39, 283-291.	1.7	4
2	Implications of water resources management on the long-term regime of Lake Garda (Italy). <i>Journal of Environmental Management</i> , 2022, 301, 113893.	7.8	5
3	Hydro-Morphological Disturbance and Suitability for Temporary Agriculture of Riverine Islands in a Tropical Wandering River. <i>Water Resources Research</i> , 2022, 58, .	4.2	2
4	Quantifying the ecological effects of water abstraction in Alpine streams through flume simulations. <i>Ecohydrology</i> , 2022, 15, .	2.4	1
5	Development of a numerical model for braided river morphology and vegetation evolution with application to the Lower Waitaki River (Aotearoa " New Zealand). <i>Advances in Water Resources</i> , 2022, 166, 104236.	3.8	6
6	Prioritizing reaches for restoration in a regulated Alpine river: Locally driven versus hydro-morphologically based actions. <i>River Research and Applications</i> , 2021, 37, 17-32.	1.7	4
7	Combining Hydrologic Simulations and Stream-network Models to Reveal Flow-ecology Relationships in a Large Alpine Catchment. <i>Water Resources Research</i> , 2021, 57, e2020WR028496.	4.2	13
8	How much habitat does a river need? A spatially-explicit population dynamics model to assess ratios of ontogenetical habitat needs. <i>Journal of Environmental Management</i> , 2021, 286, 112100.	7.8	6
9	Google Earth as a data source for investigating river forms and processes: Discriminating river types using form-based process indicators. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 331-344.	2.5	13
10	SMART Research: Toward Interdisciplinary River Science in Europe. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	6
11	River, Coastal and Estuarine Morphodynamics Selected papers from the 10th anniversary of the RCEM Symposium. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 1311-1314.	2.5	0
12	Interaction between curvature-driven width oscillations and channel curvature in evolving meander bends. <i>Journal of Fluid Mechanics</i> , 2019, 876, 985-1017.	3.4	9
13	Testing the River Continuum Concept with geostatistical stream-network models. <i>Ecological Complexity</i> , 2019, 39, 100773.	2.9	26
14	Coastal vulnerability assessment: through regional to local downscaling of wave characteristics along the Bay of Lalzit (Albania). <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 287-298.	3.6	14
15	<i>In situ</i> measurements of fine sediment infiltration (FSI) in gravel-bed rivers with a hydropeaking flow regime. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 433-448.	2.5	32
16	Plant root and rhizome strength: Are there differences between and within species and rivers?. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 389-392.	2.5	5
17	Free and forced morphodynamics of river bifurcations. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 973-987.	2.5	26
18	Reduced braiding of rivers in human-modified landscapes: Converging trajectories and diversity of causes. <i>Earth-Science Reviews</i> , 2019, 188, 291-311.	9.1	33

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19	WFD ecological status indicator shows poor correlation with flow parameters in a large Alpine catchment. <i>Ecological Indicators</i> , 2019, 98, 704-711.	6.3	11
20	Automated extraction of meandering river morphodynamics from multitemporal remotely sensed data. <i>Environmental Modelling and Software</i> , 2018, 105, 171-186.	4.5	58
21	Biomorphodynamics of alternate bars in a channelized, regulated river: An integrated historical and modelling analysis. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1739-1756.	2.5	41
22	Urban gully erosion in sub-Saharan Africa: A case study from Uganda. <i>Land Degradation and Development</i> , 2018, 29, 849-859.	3.9	12
23	Promoting sustainable human development in engineering: Assessment of online courses within continuing professional development strategies. <i>Journal of Cleaner Production</i> , 2018, 172, 4286-4302.	9.3	43
24	Effects of thermopeaking on the thermal response of alpine river systems to heatwaves. <i>Science of the Total Environment</i> , 2018, 612, 1266-1275.	8.0	23
25	Channelization of a large Alpine river: what is left of its original morphodynamics?. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1044-1062.	2.5	57
26	Channel changes of the Adige River (Eastern Italian Alps) over the last 1000 years and identification of the historical fluvial corridor. <i>Journal of Maps</i> , 2018, 14, 680-691.	2.0	22
27	Multi-Temporal Image Analysis for Fluvial Morphological Characterization with Application to Albanian Rivers. <i>ISPRS International Journal of Geo-Information</i> , 2018, 7, 314.	2.9	27
28	Eutrophication, Research and Management History of the Shallow YpacaraÃ-Lake (Paraguay). <i>Sustainability</i> , 2018, 10, 2426.	3.2	22
29	Assessing the impacts of water abstractions on river ecosystem services: an eco-hydraulic modelling approach. <i>Environmental Impact Assessment Review</i> , 2017, 63, 136-146.	9.2	18
30	Exploring the role of trees in the evolution of meander bends: The T agliamento R iver, I taly. <i>Water Resources Research</i> , 2017, 53, 5943-5962.	4.2	30
31	Hydropeaking in regulated rivers â€“ From process understanding to design of mitigation measures. <i>Science of the Total Environment</i> , 2017, 579, 22-26.	8.0	34
32	Modelling white-water rafting suitability in a hydropower regulated Alpine River. <i>Science of the Total Environment</i> , 2017, 579, 1035-1049.	8.0	18
33	How large is a river? Conceptualizing river landscape signatures and envelopes in four dimensions. <i>Wiley Interdisciplinary Reviews: Water</i> , 2016, 3, 313-325.	6.5	27
34	Eco-hydraulic modelling of the interactions between hydropeaking and river morphology. <i>Ecohydrology</i> , 2016, 9, 421-437.	2.4	54
35	Characterization of sub-daily thermal regime in alpine rivers: quantification of alterations induced by hydropeaking. <i>Hydrological Processes</i> , 2016, 30, 1052-1070.	2.6	26
36	Free instability of channel bifurcations and morphodynamic influence. <i>Journal of Fluid Mechanics</i> , 2016, 799, 476-504.	3.4	35

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37	Biomorphodynamic modelling of inner bank advance in migrating meander bends. <i>Advances in Water Resources</i> , 2016, 93, 166-181.	3.8	42
38	Field assessment of noncontact stream gauging using portable surface velocity radars (SVR). <i>Water Resources Research</i> , 2016, 52, 1108-1126.	4.2	92
39	Multidecadal dynamics of alternate bars in the <sc>A</sc>pine <sc>R</sc>hine <sc>R</sc>iver. <i>Water Resources Research</i> , 2016, 52, 8938-8955.	4.2	71
40	Multiscale structure of meanders. <i>Geophysical Research Letters</i> , 2016, 43, 3288-3297.	4.0	20
41	Responses of benthic invertebrates to repeated hydropeaking in semi-natural flume simulations. <i>Ecohydrology</i> , 2016, 9, 68-82.	2.4	36
42	Continuous wavelet characterization of the wavelengths and regularity of meandering rivers. <i>Geomorphology</i> , 2016, 252, 98-111.	2.6	10
43	Effects of fine suspended sediment releases on benthic communities in artificial flumes. <i>Houille Blanche</i> , 2016, 102, 54-58.	0.3	1
44	A simple procedure for the assessment of hydropeaking flow alterations applied to several European streams. <i>Aquatic Sciences</i> , 2015, 77, 639-653.	1.5	51
45	Habitat Indices for Rivers: Quantifying the Impact of Hydro-Morphological Alterations on the Fish Community. , 2015, , 357-360.		8
46	On the Design of an Intelligent Sensor Network for Flash Flood Monitoring, Diagnosis and Management in Urban Areas Position Paper. <i>Procedia Computer Science</i> , 2014, 32, 941-946.	2.0	16
47	Numerical modelling of two-dimensional morphodynamics with applications to river bars and bifurcations. <i>Advances in Water Resources</i> , 2013, 52, 243-260.	3.8	86
48	Advances and challenges in meandering channels research. <i>Geomorphology</i> , 2012, 163-164, 1-9.	2.6	64
49	Modeling morphodynamic processes in meandering rivers with spatial width variations. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	66
50	Bend theory of river meanders with spatial width variations. <i>Journal of Fluid Mechanics</i> , 2011, 681, 311-339.	3.4	31
51	Thermo-peaking in Alpine streams: event characterization and time scales. <i>Ecohydrology</i> , 2011, 4, 564-576.	2.4	117
52	River meander dynamics: developments in modelling and empirical analyses. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 1550-1553.	2.5	15
53	Modelling mid-channel bars in meandering channels. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 902-917.	2.5	49
54	Thermal wave dynamics in rivers affected by hydropeaking. <i>Water Resources Research</i> , 2010, 46, .	4.2	58

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55	Width variations and mid-channel bar inception in meanders: River Bollin (UK). <i>Geomorphology</i> , 2010, 119, 1-8.	2.6	53
56	Understanding reference processes: linkages between river flows, sediment dynamics and vegetated landforms along the Tagliamento River, Italy. <i>River Research and Applications</i> , 2009, 25, 501-516.	1.7	121
57	Morphodynamic regime of gravel bed, single-thread meandering rivers. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	23
58	Assessing hydrological alterations at multiple temporal scales: Adige River, Italy. <i>Water Resources Research</i> , 2009, 45, .	4.2	101
59	River bed evolution due to channel expansion: general behaviour and application to a case study (Kugart River, Kyrgyz Republic). <i>River Research and Applications</i> , 2008, 24, 1271-1287.	1.7	19
60	Monitoring and predicting channel change in a free-evolving, small Alpine river: Ridanna Creek (North) Tj ETQqO 0 0,rgBT /Overlock 10 T	2.5	24
61	Experimental observations of upstream overdeepening. <i>Journal of Fluid Mechanics</i> , 2005, 531, 191-219.	3.4	41
62	Downstream and upstream influence in river meandering. Part 2. Planimetric development. <i>Journal of Fluid Mechanics</i> , 2001, 438, 183-211.	3.4	218
63	Downstream and upstream influence in river meandering. Part 2. Planimetric development. <i>Journal of Fluid Mechanics</i> , 2001, 438, 213-230.	3.4	154
64	Free bars in rivers. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 1999, 37, 759-775.	1.7	108