

Nicola Surian

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,396
citations

172207

29
h-index

133063

59
g-index

83
all docs

83
docs citations

83
times ranked

2759
citing authors

#	ARTICLE	IF	CITATIONS
1	A width-based approach to estimating historical changes in coarse sediment fluxes at river reach and network scales. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2560-2579.	1.2	3
2	Fluvial Changes in the Anthropocene: A European Perspective. , 2021, , 561-561.		3
3	The retreat of theÂdelta: a geomorphological history of the Po river basin during the twentieth century. <i>Water History</i> , 2021, 13, 117-136.	0.5	7
4	Alteration of gravel-bed river morphodynamics in response to multiple anthropogenic disturbances: Insights from the sediment-starved Parma River (northern Italy). <i>Geomorphology</i> , 2021, 389, 107845.	1.1	10
5	Sediment-water flows in mountain catchments: Insights into transport mechanisms as responses to high-magnitude hydrological events. <i>Journal of Hydrology</i> , 2021, 602, 126716.	2.3	10
6	Response of A Gravel -Bed River To Dam Closure: Insights From Sediment Transport Processes And Channel Morphodynamics. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 756-770.	1.2	23
7	Sediment-water flows in mountain streams: Recognition and classification based on field evidence. <i>Geomorphology</i> , 2020, 371, 107413.	1.1	32
8	Survey of the vaia storm deposits in the tegnas catchment (Dolomites, Italy): Field data and evidence of sediment-water flow types. <i>Data in Brief</i> , 2020, 33, 106415.	0.5	2
9	Assessment of the geomorphic effectiveness of controlled floods in a braided river using a reduced-complexity numerical model. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 3229-3250.	1.9	13
10	Channel Changes and Controlling Factors over the Past 150 Years in the Basento River (Southern Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.2	20
11	Timing, drivers and impacts of the historic Masiere diÂVedana rock avalanche (Belluno Dolomites,) Tj ETQq1 1 0.784314 rgBT/Overlock	1.5	7
12	Detailed assessment of spatial and temporal variations in river channel changes and meander evolution as a preliminary work for effective floodplain management. The example of SajÂ³ River, Hungary. <i>Journal of Environmental Management</i> , 2019, 248, 109277.	3.8	21
13	Virtual Velocity Approach for Estimating Bed Material Transport in Gravel-ÂBed Rivers: Key Factors and Significance. <i>Water Resources Research</i> , 2019, 55, 1651-1674.	1.7	41
14	Channel Adjustments in Iranian Rivers: A Review. <i>Water (Switzerland)</i> , 2019, 11, 672.	1.2	16
15	Reduced braiding of rivers in human-modified landscapes: Converging trajectories and diversity of causes. <i>Earth-Science Reviews</i> , 2019, 188, 291-311.	4.0	33
16	Effects of an extreme flood on river morphology (case study: Karoon River, Iran). <i>Geomorphology</i> , 2018, 304, 30-39.	1.1	56
17	Towards a more comprehensive assessment of river corridor conditions: A comparison between the Morphological Quality Index and three biotic indices. <i>Ecological Indicators</i> , 2018, 84, 525-534.	2.6	20
18	Remote Sensing as a Tool for Analysing Channel Dynamics and Geomorphic Effects of Floods. <i>Springer Remote Sensing/photogrammetry</i> , 2018, , 27-59.	0.4	4

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19	Channelization of a large Alpine river: what is left of its original morphodynamics?. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1044-1062.	1.2	57
20	Assessing Restoration Effects on River Hydromorphology Using the Process-based Morphological Quality Index in Eight European River Reaches. <i>Environmental Management</i> , 2018, 61, 69-84.	1.2	23
21	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.	1.0	22
22	Pre-Alpine and Alpine deformation at San Pellegrino pass (Dolomites, Italy). <i>Journal of Maps</i> , 2018, 14, 671-679.	1.0	3
23	Basin-scale analysis of the geomorphic effectiveness of flash floods: A study in the northern Apennines (Italy). <i>Science of the Total Environment</i> , 2018, 640-641, 337-351.	3.9	48
24	Interplay between river dynamics and international borders: The Hirmand River between Iran and Afghanistan. <i>Science of the Total Environment</i> , 2017, 586, 492-501.	3.9	17
25	Geomorphic response to an extreme flood in two Mediterranean rivers (northeastern Sardinia, Italy): Analysis of controlling factors. <i>Geomorphology</i> , 2017, 290, 184-199.	1.1	81
26	Exploring the role of trees in the evolution of meander bends: The Tagliamento River, Italy. <i>Water Resources Research</i> , 2017, 53, 5943-5962.	1.7	30
27	Bed material transport estimate in large gravel-bed rivers using the virtual velocity approach. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 595-611.	1.2	57
28	New tools for the hydromorphological assessment and monitoring of European streams. <i>Journal of Environmental Management</i> , 2017, 202, 363-378.	3.8	63
29	The Tagliamento River: The Fluvial Landscape and Long-Term Evolution of a Large Alpine Braided River. <i>World Geomorphological Landscapes</i> , 2017, , 157-167.	0.1	3
30	An integrated approach for investigating geomorphic response to extreme events: methodological framework and application to the October 2011 flood in the Magra River catchment, Italy. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 835-846.	1.2	45
31	Reconstructing temporal changes and prediction of channel evolution in a large Alpine river: the Tagliamento river, Italy. <i>Aquatic Sciences</i> , 2016, 78, 83-94.	0.6	24
32	Flow recession as a driver of the morphostructure of braided streams. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 754-770.	1.2	9
33	Odonates as indicators of the ecological integrity of the river corridor: Development and application of the Odonate River Index (ORI) in northern Italy. <i>Ecological Indicators</i> , 2016, 61, 234-247.	2.6	52
34	Channel response to extreme floods: Insights on controlling factors from six mountain rivers in northern Apennines, Italy. <i>Geomorphology</i> , 2016, 272, 78-91.	1.1	89
35	A multi-scale hierarchical framework for developing understanding of river behaviour to support river management. <i>Aquatic Sciences</i> , 2016, 78, 1-16.	0.6	191
36	Vegetation turnover in a braided river: frequency and effectiveness of floods of different magnitude. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 542-558.	1.2	76

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37	A methodological framework for hydromorphological assessment, analysis and monitoring (IDRAIM) aimed at promoting integrated river management. <i>Geomorphology</i> , 2015, 251, 122-136.	1.1	84
38	Fluvial Processes in Braided Rivers. <i>GeoPlanet: Earth and Planetary Sciences</i> , 2015, , 403-425.	0.2	6
39	Driving factors of short-term channel changes in a semi-arid area (Sahand Mountain, northwestern Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	3
40	IDRAIM: A Methodological Framework for Hydromorphological Analysis and Integrated River Management of Italian Streams. , 2015, , 301-304.		5
41	Characterizing geomorphological change to support sustainable river restoration and management. <i>Wiley Interdisciplinary Reviews: Water</i> , 2014, 1, 483-512.	2.8	111
42	How multiple foliations may control large gravitational phenomena: A case study from the Cismon Valley, Eastern Alps, Italy. <i>Geomorphology</i> , 2014, 207, 149-160.	1.1	6
43	Reduced-complexity modeling of braided rivers: Assessing model performance by sensitivity analysis, calibration, and validation. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2243-2262.	1.0	64
44	The first continuous Late Glacial " Holocene peat bog multi-proxy record from the Dolomites (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	22
45	A method for the assessment and analysis of the hydromorphological condition of Italian streams: The Morphological Quality Index (MQI). <i>Geomorphology</i> , 2013, 180-181, 96-108.	1.1	229
46	Evolutionary trajectory of channel morphology and controlling factors in a large gravel-bed river. <i>Geomorphology</i> , 2012, 173-174, 104-117.	1.1	117
47	Channel adjustments and vegetation cover dynamics in a large gravel bed river over the last 200 years. <i>Geomorphology</i> , 2011, 125, 147-159.	1.1	170
48	Observations on sediment mobility in a large gravel-bed river. <i>Geomorphology</i> , 2010, 114, 326-337.	1.1	52
49	Morphological effects of different channel-forming discharges in a gravel-bed river. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1093-1107.	1.2	74
50	Multi-thread river channels: A perspective on changing European alpine river systems. <i>Aquatic Sciences</i> , 2009, 71, 253-265.	0.6	159
51	Implications of channel processes for juvenile fish habitats in Alpine rivers. <i>Aquatic Sciences</i> , 2009, 71, 338-349.	0.6	23
52	Channel adjustments and alteration of sediment fluxes in gravel-bed rivers of North-Eastern Italy: potentials and limitations for channel recovery. <i>River Research and Applications</i> , 2009, 25, 551-567.	0.7	139
53	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.	0.7	121
54	The Italian Rivers. , 2009, , 467-495.		8

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55	Channel adjustments in northern and central Italy over the last 200 years. , 2009, , .		45
56	Geomorphological evolution and sediment transfer in the Piave River system (northeastern Italy) since the Last Glacial Maximum. Geomorphologie Relief, Processus, Environnement, 2009, 15, 155-174.	0.7	28
57	Island dynamics in a braided river from analysis of historical maps and air photographs. River Research and Applications, 2008, 24, 1141-1159.	0.7	147
58	Channel adjustments, bedload transport and sediment sources in a gravel-bed river, Brenta River, Italy. Earth Surface Processes and Landforms, 2007, 32, 1641-1656.	1.2	98
59	River Channelization. , 2007, , 986-990.		0
60	A review of techniques available for delimiting the erodible river corridor: a sustainable approach to managing bank erosion. River Research and Applications, 2005, 21, 773-789.	0.7	299
61	Sediment mining in alluvial channels: physical effects and management perspectives. River Research and Applications, 2005, 21, 805-828.	0.7	239
62	Morphological response to river engineering and management in alluvial channels in Italy. Geomorphology, 2003, 50, 307-326.	1.1	551
63	Downstream variation in grain size along an Alpine river: analysis of controls and processes. Geomorphology, 2002, 43, 137-149.	1.1	80
64	Channel changes due to river regulation: the case of the Piave River, Italy. , 1999, 24, 1135-1151.		226
65	Estimation of geomorphically significant flows in alpine streams of the Rocky Mountains, Colorado (USA). , 1999, 15, 273-288.		10
66	Channel changes due to river regulation: the case of the Piave River, Italy. , 1999, 24, 1135.		4
67	Geomorphological study of the Fadalto landslide, Venetian Prealps, Italy. Geomorphology, 1996, 15, 337-350.	1.1	13
68	Geomorphological Approaches for River Management and Restoration in Italian and French Rivers. Geophysical Monograph Series, 0, , 95-113.	0.1	7