

Duccio Bertoni

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

604
citations

566801

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43
all docs

43
docs citations

43
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediterranean coastal dune systems: Which abiotic factors have the most influence on plant communities?. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 149, 213-222.	0.9	74
2	A Low-Cost Unmanned Surface Vehicle for Pervasive Water Quality Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1433-1444.	2.4	55
3	Radio Frequency Identification (RFID) technology applied to the definition of underwater and subaerial coarse sediment movement. <i>Sedimentary Geology</i> , 2010, 228, 140-150.	1.0	37
4	Universal characteristics of particle shape evolution by bed-load chipping. <i>Science Advances</i> , 2018, 4, eaao4946.	4.7	32
5	Short term displacements of marked pebbles in the swash zone: Focus on particle shape and size. <i>Marine Geology</i> , 2015, 367, 143-158.	0.9	27
6	On the displacement of marked pebbles on two coarse-clastic beaches during short fair-weather periods (Marina di Pisa and Portonovo, Italy). <i>Geo-Marine Letters</i> , 2013, 33, 463-476.	0.5	25
7	Impressive abrasion rates of marked pebbles on a coarse-clastic beach within a 13-month timespan. <i>Marine Geology</i> , 2016, 381, 175-180.	0.9	25
8	Transport trajectories of "smart" pebbles on an artificial coarse-grained beach at Marina di Pisa (Italy): Implications for beach morphodynamics. <i>Marine Geology</i> , 2012, 291-294, 227-235.	0.9	23
9	LoRaWAN Underground to Aboveground Data Transmission Performances for Different Soil Compositions. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-13.	2.4	23
10	On the profile evolution of three artificial pebble beaches at Marina di Pisa, Italy. <i>Geomorphology</i> , 2011, 130, 244-254.	1.1	22
11	An RFID-Based Toolbox for the Study of Under- and Outside-Water Movement of Pebbles on Coarse-Grained Beaches. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2012, 5, 1474-1482.	2.3	22
12	Short- and medium-term response to storms on three Mediterranean coarse-grained beaches. <i>Geomorphology</i> , 2017, 295, 738-748.	1.1	22
13	A Wireless Sensor Network for the Real-Time Remote Measurement of Aeolian Sand Transport on Sandy Beaches and Dunes. <i>Sensors</i> , 2018, 18, 820.	2.1	21
14	Influence of particle shape on pebble transport in a mixed sand and gravel beach during low energy conditions: Implications for nourishment projects. <i>Ocean and Coastal Management</i> , 2019, 169, 171-181.	2.0	19
15	Magdala harbour sedimentation (Sea of Galilee, Israel), from natural to anthropogenic control. <i>Quaternary International</i> , 2013, 303, 120-131.	0.7	18
16	An RFID Based System for the Underwater Tracking of Pebbles on Artificial Coarse Beaches. , 2009, , .		16
17	The role of sediment grain-size, mineralogy, and beach morphology on plant communities of two Mediterranean coastal dune systems. <i>Italian Journal of Geosciences</i> , 2014, 133, 271-281.	0.4	15
18	Implementing a coastal dune vulnerability index (CDVI) to support coastal management in different settings (Brazil and Italy). <i>Ocean and Coastal Management</i> , 2019, 180, 104916.	2.0	15

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19	Augmented Virtuality for Coastal Management: A Holistic Use of In Situ and Remote Sensing for Large Scale Definition of Coastal Dynamics. ISPRS International Journal of Geo-Information, 2018, 7, 92.	1.4	14
20	An analysis on the use of LF RFID for the tracking of different typologies of pebbles on beaches. , 2011, , .		13
21	Assessment of the Anthropogenic Sediment Budget of a Littoral Cell System (Northern Tuscany, Italy). Water (Switzerland), 2020, 12, 3240.	1.2	12
22	A Wireless Sensor Network Framework for Real-Time Monitoring of Height and Volume Variations on Sandy Beaches and Dunes. ISPRS International Journal of Geo-Information, 2018, 7, 141.	1.4	9
23	In situ abrasion of marked pebbles on two coarse-clastic beaches (Marina di Pisa, Italy). Italian Journal of Geosciences, 2012, , 205-214.	0.4	7
24	An Analysis of the Performances of Low Frequency Cylinder Glass Tags for the Underwater Tracking of Pebbles on a Natural Beach. , 2012, , .		6
25	Litho-sedimentological and morphodynamic characterization of the Pisa Province coastal area (northern Tuscany, Italy). Journal of Maps, 2020, 16, 108-116.	1.0	6
26	Heterogeneous Wireless Sensor Network for Real Time Remote Monitoring of Sand Dynamics on Coastal Dunes. IOP Conference Series: Earth and Environmental Science, 2016, 44, 042030.	0.2	5
27	Morpho-sedimentological and vegetational characterization of Grande beach at SãŁo Francisco do Sul Island (Santa Catarina, Brazil). Journal of Maps, 2018, 14, 105-113.	1.0	5
28	A geometrical approach for the measurement of the volume of masses of granular material through grid-layout sensor networks. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107102.	2.5	5
29	Multi-month sedimentological characterization of the backshore of an artificial coarse-clastic beach in Italy. Rendiconti Lincei, 2020, 31, 65-77.	1.0	5
30	Anthropogenic Impact on Beach Heterogeneity within a Littoral Cell (Northern Tuscany, Italy). Journal of Marine Science and Engineering, 2021, 9, 151.	1.2	5
31	Ground-Penetrating Radar Prospections to Image the Inner Structure of Coastal Dunes at Sites Characterized by Erosion and Accretion (Northern Tuscany, Italy). Applied Sciences (Switzerland), 2021, 11, 11260.	1.3	4
32	Northern Adriatic environmental changes since 500 AD reconstructed at Aquileia (Italy). Quaternary Science Reviews, 2022, 287, 107565.	1.4	4
33	An Integrated System for Real-Time Water Monitoring Based on Low Cost Unmanned Surface Vehicles. , 2019, , .		3
34	Fast retreat of a barrier system due to reduced sediment supply (Bellocchio, Northern Adriatic Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		3
35	A wireless waterproof RFID reader for marine sediment localization and tracking. , 2014, , .		2
36	Vulnerability Assessment of a Coastal Dune System at SãŁo Francisco do Sul Island, Santa Catarina, Brazil. IOP Conference Series: Earth and Environmental Science, 2016, 44, 052028.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Integrating Different Databases to Offer a Geological Perspective of Coastal Management: A Review Case from the Northern Tuscany Littoral Cell (Italy). Journal of Marine Science and Engineering, 2022, 10, 353.	1.2	1
38	The role of particle shape on pebble transport in a mixed sand and gravel beach (Portonovo, Italy). , 0, , .		0
39	Coarse-grained beach response after storms in three Italian sites. , 0, , .		0