

Stefano Crema

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,336
citations

331259

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32
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58
all docs

58
docs citations

58
times ranked

1375
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Assessment of suspended sediment dynamics in a small ungauged badland catchment in the Northern Apennines (Italy) using an in-situ laser diffraction method. <i>Catena</i> , 2022, 209, 105796. | 2.2 | 8 |
| 2 | Effects of gully control measures on sediment yield and connectivity in wooded rangelands. <i>Catena</i> , 2022, 214, 106259. | 2.2 | 11 |
| 3 | Exposure to landslides in rural areas in Central Italy. <i>Journal of Maps</i> , 2021, 17, 124-132. | 1.0 | 18 |
| 4 | Debris flows recorded in the Moscardo catchment (Italian Alps) between 1990 and 2019. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 87-97. | 1.5 | 18 |
| 5 | Can inpainting improve digital terrain analysis? Comparing techniques for void filling, surface reconstruction and geomorphometric analyses. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 736-755. | 1.2 | 13 |
| 6 | How does co-registration affect geomorphic change estimates in multi-temporal surveys?. <i>GIScience and Remote Sensing</i> , 2020, 57, 611-632. | 2.4 | 21 |
| 7 | Multi-temporal analysis of the role of check dams in a debris-flow channel: Linking structural and functional connectivity. <i>Geomorphology</i> , 2019, 345, 106844. | 1.1 | 44 |
| 8 | Channel control works and sediment connectivity in the European Alps. <i>Science of the Total Environment</i> , 2019, 668, 389-399. | 3.9 | 50 |
| 9 | Debris-flow volumes in northeastern Italy: Relationship with drainage area and size probability. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 933-943. | 1.2 | 22 |
| 10 | Geomorphic effectiveness of check dams in a debris-flow catchment using multi-temporal topographic surveys. <i>Catena</i> , 2019, 174, 73-83. | 2.2 | 66 |
| 11 | The effects of land use and topographic changes on sediment connectivity in mountain catchments. <i>Science of the Total Environment</i> , 2019, 660, 899-912. | 3.9 | 80 |
| 12 | SedInConnect: a stand-alone, free and open source tool for the assessment of sediment connectivity. <i>Computers and Geosciences</i> , 2018, 111, 39-45. | 2.0 | 115 |
| 13 | The role of human activities on sediment connectivity of shallow landslides. <i>Catena</i> , 2018, 160, 261-274. | 2.2 | 93 |
| 14 | Exploiting LSPIV to assess debris-flow velocities in the field. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1-13. | 1.5 | 46 |
| 15 | Monitoring topographic changes through 4D-structure-from-motion photogrammetry: application to a debris-flow channel. <i>Environmental Earth Sciences</i> , 2018, 77, 1. | 1.3 | 64 |
| 16 | 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 |
| 17 | An Integrated Study to Evaluate Debris Flow Hazard in Alpine Environment. <i>Frontiers in Earth Science</i> , 2018, 6, . | 0.8 | 29 |
| 18 | Estimation of the susceptibility of a road network to shallow landslides with the integration of the sediment connectivity. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 1735-1758. | 1.5 | 32 |

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|----|---|-----|-----------|
| 19 | Soil moisture remote-sensing applications for identification of flood-prone areas along transport infrastructure. <i>Environmental Earth Sciences</i> , 2018, 77, 1. | 1.3 | 45 |
| 20 | Effects of agricultural drainage systems on sediment connectivity in a small Mediterranean lowland catchment. <i>Geomorphology</i> , 2018, 318, 162-171. | 1.1 | 27 |
| 21 | Modelling the dynamics of a large rock landslide in the Dolomites (eastern Italian Alps) using multi-temporal DEMs. <i>PeerJ</i> , 2018, 6, e5903. | 0.9 | 9 |
| 22 | Flood probability quantification for road infrastructure: Data-driven spatial-statistical approach and case study applications. <i>Science of the Total Environment</i> , 2017, 581-582, 386-398. | 3.9 | 68 |
| 23 | GIS tools for preliminary debris-flow assessment at regional scale. <i>Journal of Mountain Science</i> , 2017, 14, 2498-2510. | 0.8 | 15 |
| 24 | Response time and water origin in a steep nested catchment in the Italian Dolomites. <i>Hydrological Processes</i> , 2017, 31, 768-782. | 1.1 | 31 |
| 25 | Hydrometeorological Characterization of a Flash Flood Associated with Major Geomorphic Effects: Assessment of Peak Discharge Uncertainties and Analysis of the Runoff Response. <i>Journal of Hydrometeorology</i> , 2016, 17, 3063-3077. | 0.7 | 36 |
| 26 | Semi-quantitative method for the assessment of debris supply from slopes to river in ungauged catchments. <i>Science of the Total Environment</i> , 2016, 554-555, 337-348. | 3.9 | 31 |
| 27 | Upper limits of flash flood stream power in Europe. <i>Geomorphology</i> , 2016, 272, 68-77. | 1.1 | 52 |
| 28 | Multi-temporal LiDAR-DTMs as a tool for modelling a complex landslide: a case study in the Rotolon catchment (eastern Italian Alps). <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 715-722. | 1.5 | 34 |
| 29 | Debris flows in the eastern Italian Alps: seasonality and atmospheric circulation patterns. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 647-656. | 1.5 | 31 |
| 30 | Brief Communication: A new testing field for debris flow warning systems. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 1545-1549. | 1.5 | 4 |
| 31 | The Rotolon Catchment Early-Warning System. , 2015, , 91-95. | | 6 |
| 32 | Monitoring and Modeling Large Wood Recruitment and Transport in a Mountain Basin of North-Eastern Italy. , 2015, , 155-158. | | 1 |
| 33 | Impact of uncertainty in rainfall estimation on the identification of rainfall thresholds for debris flow occurrence. <i>Geomorphology</i> , 2014, 221, 286-297. | 1.1 | 134 |
| 34 | Semi-automatic derivation of channel network from a high-resolution DTM: the example of an Italian alpine region. <i>European Journal of Remote Sensing</i> , 2013, 46, 152-174. | 1.7 | 22 |
| 35 | Landslide monitoring with an integrated platform: methodology, design and case study. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 30, 24-27. | 0.3 | 1 |
| 36 | Clustering sediment connectivity maps to distinguish hillslope processes. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 42, 23-26. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Evaluation of anthropogenic effects on the sediment delivery dynamics in response to slope instability. Rendiconti Online Societa Geologica Italiana, 0, 42, 5-9. | 0.3 | 1 |
| 38 | Metodologia e strumenti per la raccolta dati e l'analisi dei processi torrentizi che interessano le aree di conoide nella Regione del Veneto. Rendiconti Online Societa Geologica Italiana, 0, 46, 167-173. | 0.3 | 0 |
| 39 | Assessing landscape changes associated to anthropic disturbances by means of the application of Structure from Motion photogrammetry using historical aerial imagery. Rendiconti Online Societa Geologica Italiana, 0, 46, 74-81. | 0.3 | 2 |