

Marco J Van De Wiel

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

844
citations

687363

13
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

840
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Embedding reach-scale fluvial dynamics within the CAESAR cellular automaton landscape evolution model. <i>Geomorphology</i> , 2007, 90, 283-301. | 2.6 | 137 |
| 2 | Self-organized criticality in river basins: Challenging sedimentary records of environmental change. <i>Geology</i> , 2010, 38, 87-90. | 4.4 | 107 |
| 3 | A cellular model of river meandering. <i>Earth Surface Processes and Landforms</i> , 2006, 31, 123-132. | 2.5 | 103 |
| 4 | A new model to analyse the impact of woody riparian vegetation on the geotechnical stability of riverbanks. <i>Earth Surface Processes and Landforms</i> , 2007, 32, 2185-2198. | 2.5 | 87 |
| 5 | Quantifying fluvial non linearity and finding self organized criticality? Insights from simulations of river basin evolution. <i>Geomorphology</i> , 2007, 91, 216-235. | 2.6 | 84 |
| 6 | Modelling the response of river systems to environmental change: Progress, problems and prospects for palaeo-environmental reconstructions. <i>Earth-Science Reviews</i> , 2011, 104, 167-185. | 9.1 | 77 |
| 7 | Modelling long term basin scale sediment connectivity, driven by spatial land use changes. <i>Geomorphology</i> , 2017, 277, 265-281. | 2.6 | 76 |
| 8 | Global sensitivity analysis of parameter uncertainty in landscape evolution models. <i>Geoscientific Model Development</i> , 2018, 11, 4873-4888. | 3.6 | 30 |
| 9 | Numerical modeling of bed topography and bank erosion along tree-lined meandering rivers. <i>Water Science and Application</i> , 2004, , 267-282. | 0.3 | 22 |
| 10 | Near-term impacts of climate variability and change on hydrological systems in West and Central Africa. <i>Climate Dynamics</i> , 2020, 54, 2041-2070. | 3.8 | 21 |
| 11 | A flash flood hazard assessment in dry valleys (northern France) by cellular automata modelling. <i>Natural Hazards</i> , 2015, 75, 2905-2929. | 3.4 | 16 |
| 12 | Calculating flux to predict future cave radon concentrations. <i>Journal of Environmental Radioactivity</i> , 2016, 157, 16-26. | 1.7 | 15 |
| 13 | Sensitivity of simulated flow fields and bathymetries in meandering channels to the choice of a morphodynamic model. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1169-1184. | 2.5 | 15 |
| 14 | Intersection, interrelation or interdependence? The relationship between circular economy and nexus approach. <i>Journal of Cleaner Production</i> , 2021, 313, 127794. | 9.3 | 12 |
| 15 | Models in Fluvial Geomorphology. , 2005, , 501-537. | | 11 |
| 16 | Landform hierarchy and evolution in Gorgonum and Atlantis basins, Mars. <i>Icarus</i> , 2011, 211, 366-388. | 2.5 | 9 |
| 17 | Regional morphometric and geomorphologic mapping of Martian landforms. <i>Computers and Geosciences</i> , 2012, 45, 190-198. | 4.2 | 6 |
| 18 | Making Way for Trees? Changes in Land-Use, Habitats and Protected Areas in Great Britain under "Global Tree Restoration Potential". <i>Sustainability</i> , 2020, 12, 5845. | 3.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Generation of realistic synthetic catchments to explore fine continental surface processes. Earth Surface Processes and Landforms, 2021, 46, 593-610. | 2.5 | 3 |
| 20 | Numerical Modelling of Oil Spill Transport in Tide-Dominated Estuaries: A Case Study of Humber Estuary, UK. Journal of Marine Science and Engineering, 2021, 9, 1034. | 2.6 | 3 |
| 21 | Defining Recovery Potential in River Restoration: A Biological Data-Driven Approach. Water (Switzerland), 2021, 13, 3339. | 2.7 | 1 |
| 22 | Influence of projected climatic conditions and varying lateral points of release on oil slick transport in a tide-dominated estuary. Estuarine, Coastal and Shelf Science, 2021, 254, 107341. | 2.1 | 0 |
| 23 | Forecasting System for Predicting the Dynamics of Oil Spill in a Tide-Dominated Estuary. International Oil Spill Conference Proceedings, 2021, 2021, . | 0.1 | 0 |