

John Rowan

List of Publications by Year in descending order

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49
papers

1,918
citations

236925

25
h-index

254184

43
g-index

49
all docs

49
docs citations

49
times ranked

2345
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of agricultural water management interventions on upstreamâ€“downstream tradeâ€“offs in the upper Cauvery catchment, southern India: a modelling study*. Irrigation and Drainage, 2022, 71, 472-494.	1.7	4
2	Developing a standard approach for assessing the hydromorphology of lakes in Europe. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 655-669.	2.0	7
3	Sediment fingerprinting as a tool to identify temporal and spatial variability of sediment sources and transport pathways in agricultural catchments. Agriculture, Ecosystems and Environment, 2018, 267, 188-200.	5.3	29
4	Natural flood management, land use and climate change trade-offs: the case of Tarland catchment, Scotland. Hydrological Sciences Journal, 2017, 62, 1931-1948.	2.6	36
5	Selection of a network of large lakes and reservoirs suitable for global environmental change analysis using Earth Observation. International Journal of Remote Sensing, 2016, 37, 3042-3060.	2.9	18
6	Assessing the utility of geospatial technologies to investigate environmental change within lake systems. Science of the Total Environment, 2016, 543, 791-806.	8.0	15
7	Storm Event Suspended Sediment-Discharge Hysteresis and Controls in Agricultural Watersheds: Implications for Watershed Scale Sediment Management. Environmental Science & Technology, 2016, 50, 1769-1778.	10.0	108
8	Investigating suspended sediment dynamics in contrasting agricultural catchments using ex situ turbidity-based suspended sediment monitoring. Hydrology and Earth System Sciences, 2015, 19, 3349-3363.	4.9	46
9	Evaluating the spatial transferability and temporal repeatability of remote-sensing-based lake water quality retrieval algorithms at the European scale: a meta-analysis approach. International Journal of Remote Sensing, 2015, 36, 2995-3023.	2.9	19
10	Identifying robust response options to manage environmental change using an Ecosystem Approach: A stress-testing case study for the UK XXX. Environmental Science and Policy, 2015, 52, 74-88.	4.9	16
11	Uncertainty-based assessment of tracer selection, tracer non-conservativeness and multiple solutions in sediment fingerprinting using synthetic and field data. Journal of Soils and Sediments, 2015, 15, 2101-2116.	3.0	88
12	Evaluating wider benefits of natural flood management strategies: an ecosystem-based adaptation perspective. Hydrology Research, 2014, 45, 774-787.	2.7	77
13	Assessing the significance of soil erosion for arable weed seedbank diversity in agro-ecosystems. Progress in Physical Geography, 2013, 37, 622-641.	3.2	13
14	Microbial responses to the erosional redistribution of soil organic carbon in arable fields. Soil Biology and Biochemistry, 2013, 60, 195-201.	8.8	44
15	Understanding soil erosion impacts in temperate agroecosystems: bridging the gap between geomorphology and soil ecology using nematodes as a model organism. Biogeosciences, 2013, 10, 7133-7145.	3.3	17
16	Barrier Island Geomorphology, Hydrodynamic Modelling, and Historical Shoreline Changes: An Example from South Uist and Benbecula, Scottish Outer Hebrides. Journal of Coastal Research, 2012, 285, 1462-1476.	0.3	8
17	Climate change and standing freshwaters: informing adaptation strategies for conservation at multiple scales. Area, 2012, 44, 411-422.	1.6	8
18	Taking a bite out of Scotlandâ€™s dental carbon emissions in the transition to a low carbon future. Public Health, 2012, 126, 770-777.	2.9	32

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19	Sediment fingerprinting as an environmental forensics tool explaining cyanobacteria blooms in lakes. <i>Applied Geography</i> , 2012, 32, 832-843.	3.7	29
20	Using the NOAA Advanced Very High Resolution Radiometer to characterise temporal and spatial trends in water temperature of large European lakes. <i>Remote Sensing of Environment</i> , 2012, 126, 1-11.	11.0	33
21	Development of a classification and decision-support tool for assessing lake hydromorphology. <i>Environmental Modelling and Software</i> , 2012, 36, 86-98.	4.5	19
22	A Critical Review of Environmental Impact Statements in Sri Lanka with Particular Reference to Ecological Impact Assessment. <i>Environmental Management</i> , 2008, 41, 441-460.	2.7	38
23	Use of multi-proxy flood records to improve estimates of flood risk: Lower River Tay, Scotland. <i>Catena</i> , 2006, 66, 107-119.	5.0	40
24	Development of a technique for Lake Habitat Survey (LHS) with applications for the European Union Water Framework Directive. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2006, 16, 637-657.	2.0	58
25	DHRAM: a method for classifying river flow regime alterations for the EC Water Framework Directive. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2005, 15, 427-446.	2.0	93
26	Economic Valuation of a Mangrove Ecosystem Threatened by Shrimp Aquaculture in Sri Lanka. <i>Environmental Management</i> , 2005, 36, 535-550.	2.7	110
27	Approaching the physical-biological interface in rivers: a review of methods for ecological evaluation of flow regimes. <i>Progress in Physical Geography</i> , 2005, 29, 506-531.	3.2	51
28	Calcrete profile development in Quaternary alluvial sequences, southeast Spain: implications for using calcretes as a basis for landform chronologies. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 169-185.	2.5	53
29	Multi-parameter fingerprinting of sediment deposition in a small gullied catchment in SE Australia. <i>Catena</i> , 2003, 53, 327-348.	5.0	93
30	Long-term sediment yield in Crombie Reservoir catchment, Angus; and its regional significance within the Midland Valley of Scotland. <i>Hydrological Sciences Journal</i> , 2003, 48, 619-635.	2.6	20
31	Correlation of fluvial sequences in the Mediterranean basin over the last 200ka and their relationship to climate change. <i>Quaternary Science Reviews</i> , 2002, 21, 1633-1641.	3.0	201
32	Fingerprinting of bed sediment in the Tay Estuary, Scotland: an environmental magnetism approach. <i>Hydrology and Earth System Sciences</i> , 2002, 6, 1007-1016.	4.9	30
33	“MIRSED” towards an MIR approach to modelling hillslope soil erosion at the national scale. <i>Catena</i> , 2001, 42, 59-79.	5.0	25
34	Implications of model uncertainty for the mapping of hillslope-scale soil erosion predictions. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 1333-1352.	2.5	40
35	A 2-D Reservoir Routing Model: Sedimentation History of Abbeystead Reservoir, U.K.. <i>Water Resources Management</i> , 2001, 15, 109-122.	3.9	9
36	Reconstructing historic reservoir sedimentation rates using data-based mechanistic modelling. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 77-82.	0.3	8

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37	Calcareous concretions yield the first U/Th date for the Late Devensian raised marine strata of eastern Scotland. <i>Scottish Journal of Geology</i> , 2001, 37, 73-78.	0.1	3
38	Modelling reservoir sedimentation and estimating historical deposition rates using a data-based mechanistic (DBM) approach. <i>Hydrological Sciences Journal</i> , 2000, 45, 237-248.	2.6	6
39	Equifinality and uncertainty in physically based soil erosion models: application of the GLUE methodology to WEPP-the Water Erosion Prediction Project-for sites in the UK and USA. <i>Earth Surface Processes and Landforms</i> , 2000, 25, 825-845.	2.5	160
40	A data-based mechanistic modelling (DBM) approach to understanding dynamic sediment transmission through Wyresdale Park Reservoir, Lancashire, UK. <i>Hydrological Processes</i> , 2000, 14, 63-78.	2.6	11
41	A calcrete-based U/Th chronology for landform evolution in the Sorbas basin, southeast Spain. <i>Quaternary Science Reviews</i> , 2000, 19, 995-1010.	3.0	72
42	Sediment routing through reservoirs, Wyresdale Park Reservoir, Lancashire, U.K.. <i>Physics and Chemistry of the Earth</i> , 1995, 20, 183-190.	0.3	4
43	Temporal variability in catchment sediment yield determined from repeated bathymetric surveys: Abbeystead Reservoir, U.K.. <i>Physics and Chemistry of the Earth</i> , 1995, 20, 199-206.	0.3	31
44	Geomorphology and pollution: the environmental impacts of lead mining, Leadhills, Scotland. <i>Journal of Geochemical Exploration</i> , 1995, 52, 57-65.	3.2	59
45	Catchment-scale deposition and redistribution of chernobyl radiocaesium in upland Britain. <i>Environment International</i> , 1993, 19, 155-166.	10.0	16
46	The transport and fluvial redistribution of Chernobyl-derived radiocaesium within the River Wye basin, UK. <i>Science of the Total Environment</i> , 1992, 121, 109-131.	8.0	6
47	Fluvial transport and redistribution of Chernobyl fallout radionuclides. <i>Hydrobiologia</i> , 1992, 235-236, 231-246.	2.0	9
48	Fluvial Redistribution of Chernobyl Fallout: Reservoir Evidence in the Severn Basin. <i>Water and Environment Journal</i> , 1992, 6, 659-666.	2.2	2
49	Supporting better decisions across the nexus of water, energy and food through earth observation data: case of the Zambezi basin. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 376, 15-23.	1.0	4