Ian P Prosser

List of Publications by Year
in descending order

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50 papers	3,400 citations	136950 32 h-index	206112 48 g-index
50 all docs	50 docs citations	50 times ranked	3113 citing authors

#	Article	IF	Citations
1	The effect of wildfire on runoff and erosion in nativeEucalyptus forest. Hydrological Processes, 1998, 12, 251-265.	2.6	257
2	Large-scale patterns of erosion and sediment transport in river networks, with examples from Australia. Marine and Freshwater Research, 2001, 52, 81.	1.3	221
3	Sediment transport capacity relations for overland flow. Progress in Physical Geography, 2000, 24, 179-193.	3.2	190
4	Flow resistance and sediment transport by concentrated overland flow in a grassland valley. Geomorphology, 1995, 13, 71-86.	2.6	167
5	Before and after riparian management: sediment and nutrient exports from a small agricultural catchment, Western Australia. Journal of Hydrology, 2003, 270, 253-272.	5.4	165
6	Gully formation and the role of valley-floor vegetation, southeastern Australia. Geology, 1994, 22, 1127.	4.4	158
7	Sources of sediment to the Great Barrier Reef World Heritage Area. Marine Pollution Bulletin, 2005, 51, 200-211.	5.0	148
8	Modelling and testing spatially distributed sediment budgets to relate erosion processes to sediment yields. Environmental Modelling and Software, 2009, 24, 489-501.	4.5	134
9	Predicting sheetwash and rill erosion over the Australian continent. Soil Research, 2003, 41, 1037.	1.1	130
10	Australia is â€˜free to chooseâ€™ economic growth and falling environmental pressures. Nature, 2015, 527, 49-53.	27.8	130
11	Modelling sediment delivery ratio over the Murray Darling Basin. Environmental Modelling and Software, 2006, 21, 1297-1308.	4.5	123
12	Holocene valley aggradation and gully erosion in headwater catchments, south-eastern highlands of Australia. Earth Surface Processes and Landforms, 1994, 19, 465-480.	2.5	118
13	Influence of invasive macrophytes on channel morphology and hydrology in an open tropical lowland stream, and potential control by riparian shading. Freshwater Biology, 1998, 39, 171-178.	2.4	111
14	Predicting the spatial patterns of hillslope sediment delivery to river channels in the Murrumbidgee catchment, Australia. Journal of Hydrology, 2007, 334, 440-454.	5.4	102
15	Predicting the Topographic Limits to a Gully Network Using a Digital Terrain Model and Process Thresholds. Water Resources Research, 1996, 32, 2289-2298.	4.2	87
16	Bank erosion of an incised upland channel by subaerial processes: Tasmania, Australia. Earth Surface Processes and Landforms, 2000, 25, 1085-1101.	2.5	79
17	Field Experiments on Erosion by Overland Flow and Their Implication for a Digital Terrain Model of Channel Initiation. Water Resources Research, 1995, 31, 2867-2876.	4.2	77
18	Very-broad-scale assessment of human impacts on river condition. Freshwater Biology, 2007, 52, 959-976.	2.4	60

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19	In-stream wetlands and their significance for channel filling and the catchment sediment budget, Jugiong Creek, New South Wales. Geomorphology, 2001, 38, 221-235.	2.6	57
20	Predicting the distribution of bed material accumulation using river network sediment budgets. Water Resources Research, 2006, 42, .	4.2	56
21	Controls on gully formation following forest clearing in a humid temperate environment. Water Resources Research, 1998, 34, 3661-3671.	4.2	55
22	A Comparison of Past and Present Episodes of Gully Erosion at Wangrah Creek, Southern Tablelands, New South Wales. Geographical Research, 1991, 29, 139-154.	0.6	54
23	Modelling the impact of land-use change and farm dam construction on hillslope sediment delivery to rivers at the regional scale. Geomorphology, 2008, 98, 199-212.	2.6	54
24	Regional scale nutrient modelling: exports to the Great Barrier Reef World Heritage Area. Marine Pollution Bulletin, 2005, 51, 186-199.	5.0	49
25	Humans and megafauna in a late Pleistocene environment from Cuddie Springs, north western New South Wales. Archaeology in Oceania, 1993, 28, 94-99.	0.7	48
26	A late Quaternary record of environmental change and human impact from New Caledonia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 168, 97-123.	2.3	45
27	Performance of grass and rainforest riparian buffers in the wet tropics, Far North Queensland. 2. Water quality. Soil Research, 2004, 42, 485.	1.1	42
28	A Late Pleistocene vegetation history from the Australian semi-arid zone. Quaternary Science Reviews, 2002, 21, 1023-1037.	3.0	41
29	Fire, Humans and Denudation at Wangrah Creek, Southern Tablelands, N.S.W.. Geographical Research, 1990, 28, 77-95.	0.6	40
30	Sensitivity analysis for assessing the behaviour of a landscape-based sediment source and transport model. Environmental Modelling and Software, 2003, 18, 741-751.	4.5	37
31	Investment prioritization based on broadscale spatial budgeting to meet downstream targets for suspended sediment loads. Water Resources Research, 2004, 40, .	4.2	36
32	Spatial patterns of sediment delivery to valley floors: sensitivity to sediment transport capacity and hillslope hydrology relations. Hydrological Processes, 2001, 15, 1003-1018.	2.6	34
33	AMS Dating of Alluvial Sediments on the Southern Tablelands of New South Wales, Australia. Radiocarbon, 1992, 34, 29-36.	1.8	33
34	Sediment transport capacity relations for overland flow. Progress in Physical Geography, 2000, 24, 179-193.	3.2	29
35	Adapting Water Management to Climate Change in the Murrayâ€“Darling Basin, Australia. Water (Switzerland), 2021, 13, 2504.	2.7	28
36	A chronosequence of rapid leaching of mixed podzol soil materials following sand mining. Geoderma, 1995, 64, 297-308.	5.1	26

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37	Modelling sources of sediment at sub-catchment scale: An example from the Burdekin catchment, North Queensland, Australia. Mathematics and Computers in Simulation, 2005, 69, 90-102.	4.4	23
38	Gully erosion prediction across a large region: Murray - Darling Basin, Australia. Soil Research, 2012, 50, 267.	1.1	23
39	Performance of grass and eucalyptus riparian buffers in a pasture catchment, Western Australia, part 2: water quality. Hydrological Processes, 2006, 20, 2327-2346.	2.6	21
40	Relative changes in sediment supply and sediment transport capacity in a bedrock-controlled river. Water Resources Research, 2001, 37, 3307-3320.	4.2	17
41	Performance of grass and rainforest riparian buffers in the wet tropics, Far North Queensland. 1. Riparian hydrology. Soil Research, 2004, 42, 473.	1.1	16
42	A comparison of soil acidification and aluminum under Eucalyptus forest and unimproved pasture. Soil Research, 1993, 31, 245.	1.1	13
43	Increased erosion hazard resulting from log-row construction during conversion to plantation forest. Forest Ecology and Management, 1999, 123, 145-155.	3.2	11
44	Performance of grass and eucalyptus riparian buffers in a pasture catchment, Western Australia, part 1: riparian hydrology. Hydrological Processes, 2006, 20, 2309-2326.	2.6	11
45	Flow resistance and sediment transport by concentrated overland flow in a grassland valley. , 1995, , 71-86.		11
46	Vegetation communities and the empty pore space of soils as indicators of catchment hydrology. Catena, 1988, 15, 393-405.	5.0	9
47	Corrigendum to: Large-scale patterns of erosion and sediment transport in river networks, with examples from Australia. Marine and Freshwater Research, 2001, 52, 817.	1.3	9
48	The relationship between sediment and water quality, and riverine sediment loads in the wave-dominated estuaries of south-west Western Australia. Marine and Freshwater Research, 2004, 55, 581.	1.3	9
49	Australia is 'free to choose' economic growth and falling environmental pressures. Nature, 2016, 534, S1-S2.	27.8	4
50	Water quality: Land use impacts on salinity, sediments, and nutrients. , 2021, , 109-135.		2