

Carmel A Pollino

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,221
citations

361045
20
h-index

223531
46
g-index

53
all docs

53
docs citations

53
times ranked

2902
citing authors

#	ARTICLE	IF	CITATIONS
1	Good practice in Bayesian network modelling. <i>Environmental Modelling and Software</i> , 2012, 37, 134-145.	1.9	472
2	Parameterisation and evaluation of a Bayesian network for use in an ecological risk assessment. <i>Environmental Modelling and Software</i> , 2007, 22, 1140-1152.	1.9	351
3	Environmental flows for natural, hybrid, and novel riverine ecosystems in a changing world. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 466-473.	1.9	289
4	Toxicity Testing of Crude Oil and Related Compounds Using Early Life Stages of the Crimson-Spotted Rainbowfish (<i>Melanotaenia fluviatilis</i>). <i>Ecotoxicology and Environmental Safety</i> , 2002, 52, 180-189.	2.9	102
5	Chronic effects of suspended solids on gill structure, osmoregulation, growth, and triiodothyronine in juvenile green grouper <i>Epinephelus coioides</i> . <i>Marine Ecology - Progress Series</i> , 2004, 266, 255-264.	0.9	75
6	Examination of conflicts and improved strategies for the management of an endangered Eucalypt species using Bayesian networks. <i>Ecological Modelling</i> , 2007, 201, 37-59.	1.2	57
7	Operationalising the ecosystem services approach in water planning: a case study of indigenous cultural values from the Murrayâ€“Darling Basin, Australia. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2015, 11, 239-249.	2.9	52
8	Potential of Two Hydra Species as Standard Toxicity Test Animals. <i>Ecotoxicology and Environmental Safety</i> , 1999, 43, 309-316.	2.9	51
9	Habitat suitability modelling of rare species using Bayesian networks: Model evaluation under limited data. <i>Ecological Modelling</i> , 2015, 299, 64-78.	1.2	51
10	Meeting Indigenous peoples' objectives in environmental flow assessments: Case studies from an Australian multi-jurisdictional water sharing initiative. <i>Journal of Hydrology</i> , 2015, 522, 141-151.	2.3	44
11	Long-term ecological trends of flow-dependent ecosystems in a major regulated river basin. <i>Marine and Freshwater Research</i> , 2015, 66, 957.	0.7	43
12	Estimate of flood inundation and retention on wetlands using remote sensing and GIS. <i>Ecohydrology</i> , 2014, 7, 1412-1420.	1.1	38
13	Evaluation of biomarkers of exposure and effect in juvenile areolated grouper (<i>Epinephelus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Chemistry, 2003, 22, 1568-1573.	2.2	32
14	Parameterising Bayesian Networks. <i>Lecture Notes in Computer Science</i> , 2004, , 1101-1107.	1.0	31
15	Bayesian networks for habitat suitability modeling: a potential tool for conservation planning with scarce resources. <i>Ecological Applications</i> , 2014, 24, 1705-1718.	1.8	30
16	Assessment of environmental flow scenarios using stateâ€“andâ€“transition models. <i>Freshwater Biology</i> , 2018, 63, 804-816.	1.2	29
17	Integrated valuation of ecosystem services obtained from restoring water to the environment in a major regulated river basin. <i>Ecosystem Services</i> , 2016, 22, 381-391.	2.3	28
18	Physiological changes in reproductively active rainbowfish (<i>Melanotaenia fluviatilis</i>) following exposure to naphthalene. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 1265-1270.	2.9	25

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19	Hydrocarbon-induced changes to metabolic and detoxification enzymes of the Australian crimson-spotted rainbowfish (<i>Melanotaenia fluviatilis</i>). <i>Environmental Toxicology</i> , 2003, 18, 21-28.	2.1	21
20	USE OF THE AUSTRALIAN CRIMSON-SPOTTED RAINBOWFISH (<i>MELANOTAENIA FLUVIATILIS</i>) AS A MODEL TEST SPECIES FOR INVESTIGATING THE EFFECTS OF ENDOCRINE DISRUPTORS. <i>Environmental Toxicology and Chemistry</i> , 2007, 26, 2171.	2.2	21
21	Increased Use of Bayesian Network Models Will Improve Ecological Risk Assessments. <i>Human and Ecological Risk Assessment (HERA)</i> , 2008, 14, 851-853.	1.7	21
22	Sustaining local values through river basin governance: community-based initiatives in Australia's Murray-Darling basin. <i>Journal of Environmental Planning and Management</i> , 2015, 58, 2212-2227.	2.4	21
23	Optimisation as a process for understanding and managing river ecosystems. <i>Environmental Modelling and Software</i> , 2016, 83, 167-178.	1.9	21
24	Managed aquifer recharge in farming landscapes using large floods: an opportunity to improve outcomes for the Murray-Darling Basin?. <i>Australasian Journal of Environmental Management</i> , 2013, 20, 34-48.	0.6	20
25	Understanding the sources of uncertainty to reduce the risks of undesirable outcomes in large-scale freshwater ecosystem restoration projects: An example from the Murray-Darling Basin, Australia. <i>Environmental Science and Policy</i> , 2013, 33, 97-108.	2.4	20
26	Realizing modelling outcomes: A synthesis of success factors and their use in a retrospective analysis of 15 Australian water resource projects. <i>Environmental Modelling and Software</i> , 2017, 94, 63-72.	1.9	20
27	Bayesian Networks as a screening tool for exposure assessment. <i>Journal of Environmental Management</i> , 2013, 123, 68-76.	3.8	18
28	CYTOLOGICAL CHANGES IN ASSOCIATION WITH ETHOXYRESORUFIN O-DEETHYLASE INDUCTION IN FISH UPON DIETARY EXPOSURE TO BENZO[a]PYRENE. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1043.	2.2	17
29	Fit-for-purpose environmental modeling: Targeting the intersection of usability, reliability and feasibility. <i>Environmental Modelling and Software</i> , 2022, 148, 105278.	1.9	17
30	Fish communities and habitat changes in the highly modified Goulburn Catchment, Victoria, Australia. <i>Marine and Freshwater Research</i> , 2004, 55, 769.	0.7	16
31	Risk-Based Approaches to Managing Contaminants in Catchments. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006, 12, 66-73.	1.7	16
32	Making the best use of experts' estimates to prioritise monitoring and management actions: A freshwater case study. <i>Journal of Environmental Management</i> , 2018, 215, 294-304.	3.8	16
33	Aligning evidence generation and use across health, development, and environment. <i>Current Opinion in Environmental Sustainability</i> , 2019, 39, 81-93.	3.1	16
34	Assessing climate change impacts on wetlands in a flow regulated catchment: A case study in the Macquarie Marshes, Australia. <i>Journal of Environmental Management</i> , 2015, 157, 127-138.	3.8	14
35	Climate change and dam development: Effects on wetland connectivity and ecological habitat in tropical wetlands. <i>Ecohydrology</i> , 2020, 13, e2228.	1.1	14
36	Modelling population responses to flow: The development of a generic fish population model. <i>Environmental Modelling and Software</i> , 2016, 79, 96-119.	1.9	13

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37	Reproductive potential of crimson-spotted rainbowfish (<i>Melanotaenia fluviatilis</i>) following short-term exposure to bass strait crude oil and dispersed crude oil. <i>Environmental Toxicology</i> , 2002, 17, 138-145.	2.1	12
38	Toxicity of water and sediment from stormwater retarding basins to <i>Hydra hexactinella</i> . <i>Environmental Pollution</i> , 2008, 156, 922-927.	3.7	11
39	Evaluation of low cost in-line milk samplers for estimating individual cow somatic cell counts. <i>Journal of Dairy Research</i> , 1997, 64, 13-22.	0.7	9
40	An ecosystem services and Bayesian modelling approach to assess the utility of water resource development in rangelands of north Australia. <i>Journal of Arid Environments</i> , 2018, 159, 34-44.	1.2	8
41	Modelling Flood-Induced Wetland Connectivity and Impacts of Climate Change and Dam. <i>Water (Switzerland)</i> , 2020, 12, 1278.	1.2	8
42	EVALUATION OF BIOMARKERS OF EXPOSURE AND EFFECT IN JUVENILE AREOLATED GROUPE (EPINEPHELUS) Tj ETQq0 0 0 rgBT /Overl 2003, 22, 1568.	2.2	8
43	Introduction to Models and Risk Assessment. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012, 18, 13-15.	1.7	6
44	An Integrative Framework for Stakeholder Engagement Using the Basin Futures Platform. <i>Water (Switzerland)</i> , 2020, 12, 2398.	1.2	6
45	Basin futures, a novel cloud-based system for preliminary river basin modelling and planning. <i>Environmental Modelling and Software</i> , 2021, 141, 105049.	1.9	6
46	Evaluation of biomarkers of exposure and effect in juvenile areolated grouper (<i>Epinephelus</i>) Tj ETQq0 0 0 rgBT /Overl 22, 1568-73.	2.2	6
47	Development of Bayesian Network Decision Support Tools to Support River Rehabilitation Works in the Lower Snowy River. <i>Human and Ecological Risk Assessment (HERA)</i> , 2012, 18, 92-114.	1.7	5
48	Testing an environmental flow-based decision support tool: Evaluating the fish model in the Murray Flow Assessment Tool. <i>Environmental Modelling and Software</i> , 2019, 111, 72-93.	1.9	4
49	Regionalisation of freshwater fish assemblages in the Murrayâ€“Darling Basin, Australia. <i>Marine and Freshwater Research</i> , 2017, 68, 629.	0.7	3
50	Rural and regional communities of the Murrayâ€“Darling Basin. , 2021, , 21-46.		2
51	Reply to the comment by Crook and Koster (2006) 'Temporal change in fish assemblages in the lower Goulburn River, south-eastern Australia'. <i>Marine and Freshwater Research</i> , 2006, 57, 309.	0.7	1
52	Future Challenges. , 2017, , 343-356.		0