

G Mathias Kondolf

List of Publications by Year in descending order

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82
papers

7,014
citations

101543

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79698

73
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99
all docs

99
docs citations

99
times ranked

4510
citing authors

#	ARTICLE	IF	CITATIONS
1	Stream Geomorphology. , 2022, , 249-257.		0
2	From flushing flows to (eco)morphogenic releases: evolving terminology, practice, and integration into river management. Earth-Science Reviews, 2021, 213, 103475.	9.1	15
3	The social life of sediment. Water History, 2021, 13, 1-12.	1.3	10
4	Design Criteria for Process-Based Restoration of Fluvial Systems. BioScience, 2021, 71, 831-845.	4.9	30
5	Assessment of suspended sediment load variability in the Tonle Sap and Lower Mekong Rivers, Cambodia. Catena, 2021, 202, 105291.	5.0	4
6	Sustaining United States reservoir storage capacity: Need for a new paradigm. Journal of Hydrology, 2021, 602, 126686.	5.4	25
7	Restoring fluvial forms and processes by gravel augmentation or bank erosion below dams: A systematic review of ecological responses. Science of the Total Environment, 2020, 706, 135743.	8.0	23
8	The Fit of Urban Waterfront Interventions: Matters of Size, Money and Function. Sustainability, 2020, 12, 4079.	3.2	9
9	Channel and vegetation recovery from dredging of a large river in the Gulf coastal plain, USA. Earth Surface Processes and Landforms, 2020, 45, 1926-1944.	2.5	8
10	The ideal meander: Exploring freshwater scientist drawings of river restoration. Freshwater Science, 2020, 39, 349-355.	1.8	5
11	Bridges Over the Nile. Transportation Corridors Transformed into Public Spaces. The Journal of Public Space, 2020, , 5-20.	0.2	2
12	Les lâchères morphogéniques depuis un barrage : justification opérationnelle et protocole d'intervention. Houille Blanche, 2020, 106, 66-75.	0.3	2
13	Impacts of sediment derived from erosion of partially-constructed road on aquatic organisms in a tropical river: The Río San Juan, Nicaragua and Costa Rica. PLoS ONE, 2020, 15, e0242356.	2.5	6
14	Managing Floods in Large River Basins in the USA: The Mississippi River. , 2018, , 11-41.		3
15	Changing sediment budget of the Mekong: Cumulative threats and management strategies for a large river basin. Science of the Total Environment, 2018, 625, 114-134.	8.0	182
16	30-year response to damming of a Mediterranean river in California, USA. Physical Geography, 2018, 39, 197-215.	1.4	11
17	Urban River Transformation and the Landscape Garden City Movement in China. Sustainability, 2018, 10, 4103.	3.2	18
18	Sustainably Managing Reservoir Storage: Ancient Roots of a Modern Challenge. Water (Switzerland), 2018, 10, 117.	2.7	29

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19	National-local land-use conflicts in floodways of the Mississippi River system. <i>AIMS Environmental Science</i> , 2018, 5, 47-63.	1.4	14
20	Anthropogenic landforms and sediments from dredging and disposing sand along the Apalachicola River and its floodplain. <i>Geomorphology</i> , 2017, 294, 119-134.	2.6	21
21	The social connectivity of urban rivers. <i>Geomorphology</i> , 2017, 277, 182-196.	2.6	86
22	Evaluating Stream Restoration Projects: What Do We Learn from Monitoring?. <i>Water (Switzerland)</i> , 2017, 9, 174.	2.7	56
23	Evolution of Two Urbanized Estuaries: Environmental Change, Legal Framework, and Implications for Sea-Level Rise Vulnerability. <i>Water (Switzerland)</i> , 2016, 8, 535.	2.7	11
24	Encroachments in floodways of the Mississippi River and Tributaries Project. <i>Natural Hazards</i> , 2016, 81, 513-542.	3.4	7
25	The Line of Beauty in River Designs: Hogarth's Aesthetic Theory on Capability Brown's Eighteenth-Century River Design and Twentieth-Century River Restoration Design. <i>Landscape Research</i> , 2016, 41, 149-167.	1.6	10
26	Ecological functions of restored gravel bars, the Trinity River, California. <i>Ecological Engineering</i> , 2015, 83, 49-60.	3.6	36
27	Trends in publications in fluvial geomorphology over two decades: A truly new era in the discipline owing to recent technological revolution?. <i>Geomorphology</i> , 2015, 248, 489-500.	2.6	36
28	Fractal Dimension of the Hydrographic Pattern of Three Large Rivers in the Mediterranean Morphoclimatic System: Geomorphologic Interpretation of Russian (USA), Ebro (Spain) and Volturno (Italy) Fluvial Geometry. <i>Pure and Applied Geophysics</i> , 2015, 172, 1975-1984.	1.9	32
29	Upstream Sediment Control Dams: Five Decades of Experience in the Rapidly Eroding Dahan River Basin, Taiwan. <i>Journal of the American Water Resources Association</i> , 2014, 50, 735-747.	2.4	30
30	Sustainable sediment management in reservoirs and regulated rivers: Experiences from five continents. <i>Earth's Future</i> , 2014, 2, 256-280.	6.3	556
31	A reservoir operating method for riverine ecosystem protection, reservoir sedimentation control and water supply. <i>Journal of Hydrology</i> , 2014, 512, 379-387.	5.4	48
32	Space and Time Scales in Human-Landscape Systems. <i>Environmental Management</i> , 2014, 53, 76-87.	2.7	42
33	Restoring mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013, 719, 527-545.	2.0	52
34	Consequences of variations in magnitude and duration of an instream environmental flow threshold across a longitudinal gradient. <i>Journal of Hydrology</i> , 2012, 420-421, 17-24.	5.4	7
35	Assessment of the Effectiveness of a Constructed Compound Channel River Restoration Project on an Incised Stream. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 1042-1052.	1.5	6
36	Surface water balance to evaluate the hydrological impacts of small instream diversions and application to the Russian River basin, California, USA. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2009, 19, 274-284.	2.0	21

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37	Linking Theory and Practice for Restoration of Step-Pool Streams. <i>Environmental Management</i> , 2009, 43, 645-661.	2.7	56
38	Hydrologic impacts of small-scale instream diversions for frost and heat protection in the California wine country. <i>River Research and Applications</i> , 2009, 25, 118-134.	1.7	43
39	Projecting Cumulative Benefits of Multiple River Restoration Projects: An Example from the Sacramento-San Joaquin River System in California. <i>Environmental Management</i> , 2008, 42, 933-945.	2.7	41
40	Bed Mobility on the Deschutes River, Oregon: Tracer Gravel Results. <i>Geodinamica Acta</i> , 2008, 21, 11-22.	2.2	7
41	Changes in the riparian zone of the lower Eygues River, France, since 1830. <i>Landscape Ecology</i> , 2007, 22, 367-384.	4.2	87
42	River Restoration and Meanders. <i>Ecology and Society</i> , 2006, 11, .	2.3	155
43	Process-Based Ecological River Restoration: Visualizing Three-Dimensional Connectivity and Dynamic Vectors to Recover Lost Linkages. <i>Ecology and Society</i> , 2006, 11, .	2.3	284
44	Chapter 11 Hydrological effects of dams and water diversions on rivers of Mediterranean-climate regions: examples from California. <i>Developments in Earth Surface Processes</i> , 2005, 7, 197-211.	2.8	44
45	Using Historical Data in Fluvial Geomorphology. , 2005, , 77-101.		22
46	Tools in Fluvial Geomorphology: Problem Statement and Recent Practice. , 2005, , 1-22.		0
47	Bed Sediment Measurement. , 2005, , 347-395.		13
48	Integrating Geomorphological Tools in Ecological and Management Studies. , 2005, , 631-660.		3
49	Models in Fluvial Geomorphology. , 2005, , 501-537.		11
50	River restoration. <i>Water Resources Research</i> , 2005, 41, .	4.2	452
51	Geomorphic Classification of Rivers and Streams. , 2005, , 171-204.		13
52	Post-Project Appraisals in Adaptive Management of River Channel Restoration. <i>Environmental Management</i> , 2002, 29, 477-496.	2.7	191
53	Post-Project Appraisals: The Key to River Restoration Success. , 2001, , 1.		0
54	Design and Performance of a Channel Reconstruction Project in a Coastal California Gravel-Bed Stream. <i>Environmental Management</i> , 2001, 28, 761-776.	2.7	142

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55	Assessing Salmonid Spawning Gravel Quality. Transactions of the American Fisheries Society, 2000, 129, 262-281.	1.4	223
56	Some Suggested Guidelines for Geomorphic Aspects of Anadromous Salmonid Habitat Restoration Proposals. Restoration Ecology, 2000, 8, 48-56.	2.9	66
57	Measuring and Modeling the Hydraulic Environment for Assessing Instream Flows. North American Journal of Fisheries Management, 2000, 20, 1016-1028.	1.0	74
58	Lessons learned from river restoration projects in California. Aquatic Conservation: Marine and Freshwater Ecosystems, 1998, 8, 39-52.	2.0	130
59	REPLY TO DISCUSSION by Gregory S. Bevenger and Rudy M. King.. Journal of the American Water Resources Association, 1997, 33, 1395-1396.	2.4	3
60	REPLY TO DISCUSSION by Panayiotis Diplas and Vinod K. Lohani.. Journal of the American Water Resources Association, 1997, 33, 1401-1402.	2.4	1
61	APPLICATION OF THE PEBBLE COUNT NOTES ON PURPOSE, METHOD, AND VARIANTS. Journal of the American Water Resources Association, 1997, 33, 79-87.	2.4	105
62	PROFILE: Hungry Water: Effects of Dams and Gravel Mining on River Channels. Environmental Management, 1997, 21, 533-551.	2.7	1,084
63	The Flushing Flow Problem: Defining and Evaluating Objectives. Water Resources Research, 1996, 32, 2589-2599.	4.2	189
64	Specification of Sediment Maintenance Flows for a Large Gravel-Bed River. Water Resources Research, 1996, 32, 2911-2921.	4.2	102
65	Observations of Flow and Sediment Entrainment on a Large Gravel-Bed River. Water Resources Research, 1996, 32, 2897-2909.	4.2	115
66	Salmon Spawning Habitat Rehabilitation on the Merced River, California: An Evaluation of Project Planning and Performance. Transactions of the American Fisheries Society, 1996, 125, 899-912.	1.4	77
67	Historical channel analysis and its application to riparian and aquatic habitat restoration. Aquatic Conservation: Marine and Freshwater Ecosystems, 1995, 5, 109-126.	2.0	85
68	Geomorphological stream channel classification in aquatic habitat restoration: Uses and limitations. Aquatic Conservation: Marine and Freshwater Ecosystems, 1995, 5, 127-141.	2.0	100
69	Evaluating stream restoration projects. Environmental Management, 1995, 19, 1-15.	2.7	256
70	Five Elements for Effective Evaluation of Stream Restoration. Restoration Ecology, 1995, 3, 133-136.	2.9	220
71	Managing bedload sediment in regulated rivers: Examples from California, U.S.A.. Geophysical Monograph Series, 1995, , 165-176.	0.1	10
72	Livestock grazing and habitat for a threatened species: Land-use decisions under scientific uncertainty in the White Mountains, California, USA. Environmental Management, 1994, 18, 501-509.	2.7	3

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73	Geomorphic and environmental effects of instream gravel mining. Landscape and Urban Planning, 1994, 28, 225-243.	7.5	258
74	Environmental planning in regulation and management of instream gravel mining in California. Landscape and Urban Planning, 1994, 29, 185-199.	7.5	27
75	CHANGING WATER BALANCE OVER TIME IN RUSH CREEK, EASTERN CALIFORNIA, 1860?1992. Journal of the American Water Resources Association, 1993, 29, 823-832.	2.4	3
76	Modification of fluvial gravel size by spawning salmonids. Water Resources Research, 1993, 29, 2265-2274.	4.2	95
77	The sizes of salmonid spawning gravels. Water Resources Research, 1993, 29, 2275-2285.	4.2	298
78	The reclamation concept in regulation of gravel mining in California. Journal of Environmental Planning and Management, 1993, 36, 395-406.	4.5	8
79	Unmeasured Residuals in Sediment Budgets: A Cautionary Note. Water Resources Research, 1991, 27, 2483-2486.	4.2	68
80	Basic hydrologic studies for assessing impacts of flow diversions on riparian vegetation: Examples from streams of the eastern Sierra Nevada, California, USA. Environmental Management, 1987, 11, 757-769.	2.7	23
81	Channel erosion along the Carmel river, Monterey county, California. Earth Surface Processes and Landforms, 1986, 11, 307-319.	2.5	44
82	Planning River Restoration Projects: Social and Cultural Dimensions. , 0 , 41-60.		26