

Charles Rhett Jackson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/557769/publications.pdf>

Version: 2024-02-01

92
papers

4,248
citations

186265
28
h-index

114465
63
g-index

95
all docs

95
docs citations

95
times ranked

4654
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinctive Connectivities of Near-Stream and Watershed-Wide Land Uses Differentially Degrade Rural Aquatic Ecosystems. <i>BioScience</i> , 2022, 72, 144-159.	4.9	5
2	Water use in a young <i>Pinus taeda</i> bioenergy plantation: Effect of intensive management on stand evapotranspiration. <i>Ecosphere</i> , 2022, 13, .	2.2	4
3	Do crayfish affect stream ecosystem response to riparian vegetation removal?. <i>Freshwater Biology</i> , 2021, 66, 1423-1435.	2.4	5
4	Time lags: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021, 12, e03431.	2.2	16
5	Ensemble modeling of watershed-scale hydrologic effects of short-rotation woody crop production. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1345-1359.	3.7	2
6	The Coweeta Hydrologic Laboratory and the Coweeta Long-Term Ecological Research Project. <i>Hydrological Processes</i> , 2021, 35, e14302.	2.6	4
7	Redefining Waters of the US: a Case Study from the Edge of the Okefenokee Swamp. <i>Wetlands</i> , 2021, 41, 1.	1.5	0
8	Revisiting the Hewlett and Hibbert (1963) Hillslope Drainage Experiment and Modeling Effects of Decadal Pedogenic Processes and Leaky Soil Boundary Conditions. <i>Water Resources Research</i> , 2020, 56, e2019WR025090.	4.2	5
9	Wetness index based on landscape position and topography (WILT): Modifying TWI to reflect landscape position. <i>Journal of Environmental Management</i> , 2020, 255, 109863.	7.8	31
10	Relationships among forest type, watershed characteristics, and watershed ET in rural basins of the Southeastern US. <i>Journal of Hydrology</i> , 2020, 591, 125316.	5.4	5
11	Nitrogen and Phosphorus Gradients from a Working Farm through Wetlands to Streams in the Georgia Piedmont, USA. <i>Wetlands</i> , 2020, 40, 2139-2149.	1.5	2
12	Do southern Appalachian Mountain summer stream temperatures respond to removal of understory rhododendron thickets?. <i>Hydrological Processes</i> , 2020, 34, 3045-3060.	2.6	7
13	Rethinking foundation species in a changing world: The case for <i>Rhododendron maximum</i> as an emerging foundation species in shifting ecosystems of the southern Appalachians. <i>Forest Ecology and Management</i> , 2020, 472, 118240.	3.2	12
14	Dynamic domain kinematic modelling for predicting interflow over leaky impeding layers. <i>Hydrological Processes</i> , 2020, 34, 2895-2910.	2.6	5
15	Riparian canopy openings on mountain streams: Landscape controls upon temperature increases within openings and cooling downstream. <i>Hydrological Processes</i> , 2020, 34, 1966-1980.	2.6	10
16	Long-Term Ecological Research and Evolving Frameworks of Disturbance Ecology. <i>BioScience</i> , 2020, 70, 141-156.	4.9	37
17	Using hydrogeomorphic patterns to predict groundwater discharge in a karst basin: Lower Flint River Basin, southwestern Georgia, USA. <i>Journal of Hydrology: Regional Studies</i> , 2019, 23, 100603.	2.4	2
18	Environmental effects of short-rotation woody crops for bioenergy: What is and isn't known. <i>GCB Bioenergy</i> , 2019, 11, 554-572.	5.6	32

#	ARTICLE	IF	CITATIONS
19	Effects of instream processes, discharge, and land cover on nitrogen export from southern Appalachian Mountain catchments. <i>Hydrological Processes</i> , 2019, 33, 283-304.	2.6	10
20	Unexpected ecological advances made possible by long-term data: A Coweeta example. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1273.	6.5	9
21	Multiple drivers, scales, and interactions influence southern Appalachian stream salamander occupancy. <i>Ecosphere</i> , 2018, 9, e02150.	2.2	15
22	Watershed- to continental-scale influences on winter stormflow in the Southern Blue Ridge Mountains. <i>Journal of Hydrology</i> , 2018, 563, 643-656.	5.4	3
23	Woody bioenergy crop selection can have large effects on water yield: A southeastern United States case study. <i>Biomass and Bioenergy</i> , 2018, 117, 180-189.	5.7	20
24	Water sustainability and watershed storage. <i>Nature Sustainability</i> , 2018, 1, 378-379.	23.7	56
25	Interflow Is Not Binary: A Continuous Shallow Perched Layer Does Not Imply Continuous Connectivity. <i>Water Resources Research</i> , 2018, 54, 5921-5932.	4.2	44
26	Water Quality Signals from Rural Land Use and Exurbanization in a Mountain Landscape: What's Clear and What's Confounded?. <i>Journal of the American Water Resources Association</i> , 2017, 53, 1212-1228.	2.4	18
27	Effectiveness of forestry best management practices (BMPs) for reducing the risk of forest herbicide use to aquatic organisms in streams. <i>Forest Ecology and Management</i> , 2017, 404, 258-268.	3.2	5
28	Water quality effects of short-rotation pine management for bioenergy feedstocks in the southeastern United States. <i>Forest Ecology and Management</i> , 2017, 400, 181-198.	3.2	16
29	Interactions among hydraulic conductivity distributions, subsurface topography, and transport thresholds revealed by a multitracer hillslope irrigation experiment. <i>Water Resources Research</i> , 2016, 52, 6186-6206.	4.2	30
30	Dual nitrate isotopes clarify the role of biological processing and hydrologic flow paths on nitrogen cycling in subtropical low-gradient watersheds. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 422-437.	3.0	25
31	Patch occupancy of stream fauna across a land cover gradient in the southern Appalachians, USA. <i>Hydrobiologia</i> , 2016, 773, 163-175.	2.0	10
32	Delineating groundwater/surface water interaction in a karst watershed: Lower Flint River Basin, southwestern Georgia, USA. <i>Journal of Hydrology: Regional Studies</i> , 2016, 5, 1-19.	2.4	42
33	Interflow dynamics on a low relief forested hillslope: Lots of fill, little spill. <i>Journal of Hydrology</i> , 2016, 534, 648-658.	5.4	43
34	Interactions of Soils and Land Uses with Water Quantity and Quality. , 2015, , 101-126.		3
35	Herbaceous Versus Forested Riparian Vegetation: Narrow and Simple Versus Wide, Woody and Diverse Stream Habitat. <i>River Research and Applications</i> , 2015, 31, 847-857.	1.7	25
36	Herbicide Concentrations in First-Order Streams after Routine Application for Competition Control in Establishing Pine Plantations. <i>Forest Science</i> , 2015, 61, 604-612.	1.0	7

#	ARTICLE	IF	CITATIONS
37	Clearcutting and pine planting effects on nutrient concentrations and export in two mixed use headwater streams: Upper Coastal Plain, Southeastern USA. <i>Hydrological Processes</i> , 2015, 29, 13-28.	2.6	10
38	Where does streamwater come from in low-relief forested watersheds? A dual-isotope approach. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 125-135.	4.9	55
39	Diel Patterns and Temporal Trends in Spawning Activities of Robust Redhorse and River Redhorse in Georgia, Assessed Using Passive Acoustic Monitoring. <i>Transactions of the American Fisheries Society</i> , 2015, 144, 563-576.	1.4	7
40	Scales and arrangements of large wood in first- through fifth-order streams of the Blue Ridge Mountains. <i>Physical Geography</i> , 2014, 35, 532-560.	1.4	5
41	Local-scale and watershed-scale determinants of summertime urban stream temperatures. <i>Hydrological Processes</i> , 2014, 28, 2427-2438.	2.6	23
42	Response: Forestry Best Management Practices: A Mitigated Water Pollution Success Story. <i>Journal of Forestry</i> , 2014, 112, 47-49.	1.0	4
43	When interflow also percolates: downslope travel distances and hillslope process zones. <i>Hydrological Processes</i> , 2014, 28, 3195-3200.	2.6	33
44	Variation of stream temperature among mesoscale habitats within stream reaches: southern Appalachians. <i>Hydrological Processes</i> , 2014, 28, 3041-3052.	2.6	7
45	A Paired Watershed Investigation of Silvicultural Best Management Practices Revisited: B.F. Grant Memorial Forest, Georgia. <i>Forest Science</i> , 2012, 58, 652-662.	1.0	14
46	Comment on "Does timber harvest influence the dynamics of marine-derived nutrients in Southeast Alaska streams?" Original article by Levi et al. appears in <i>Can. J. Fish. Aquat. Sci.</i> 68(8): 1316-1329 and is available at http://www.nrcresearchpress.com/doi/full/10.1139/f2011-067 . Reply by Levi et al. appears in <i>Can. J. Fish. Aquat. Sci.</i> 69: this issue, and is available at http://www.nrcresearchpress.com/doi/full/10.1139/f2012-106 . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012, 69, 1894-1897.	1.4	1
47	Temporal and spatial variability of invertebrate communities in potential reference headwater streams of the Georgia Piedmont. <i>Journal of Freshwater Ecology</i> , 2012, 27, 273-285.	1.2	3
48	Runoff Curve Numbers for 10 Small Forested Watersheds in the Mountains of the Eastern United States. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1188-1198.	1.9	94
49	Modeled riparian stream shading: Agreement with field measurements and sensitivity to riparian conditions. <i>Journal of Hydrology</i> , 2012, 428-429, 142-151.	5.4	34
50	Effects of irrigation withdrawals on streamflows in a karst environment: lower Flint River Basin, Georgia, USA. <i>Hydrological Processes</i> , 2012, 26, 523-534.	2.6	43
51	Changes in Diameter Growth of <i>Taxodium distichum</i> in Response to Flow Alterations in the Savannah River. <i>Wetlands</i> , 2012, 32, 59-71.	1.5	18
52	Effects of watershed land use and geomorphology on stream low flows during severe drought conditions in the southern Blue Ridge Mountains, Georgia and North Carolina, United States. <i>Water Resources Research</i> , 2011, 47, .	4.2	92
53	Hydrologic and Phosphorus Export Behavior of Small Streams in Commercial Poultry-Pasture Watersheds1. <i>Journal of the American Water Resources Association</i> , 2011, 47, 367-385.	2.4	4
54	Estimation of Mussel Population Response to Hydrologic Alteration in a Southeastern U.S. Stream. <i>Environmental Management</i> , 2011, 48, 109-122.	2.7	33

#	ARTICLE	IF	CITATIONS
55	Variation of surficial soil hydraulic properties across land uses in the southern Blue Ridge Mountains, North Carolina, USA. <i>Journal of Hydrology</i> , 2010, 383, 256-268.	5.4	151
56	Discussion of Stream Temperature Relationships to Forest Harvest in Western Washington by Michael M. Pollock, Timothy J. Beechie, Martin Liermann, and Richard E. Bigley. <i>Journal of the American Water Resources Association</i> , 2010, 46, 838-842.	2.4	2
57	Ecological Benefits of Reduced Hydrologic Connectivity in Intensively Developed Landscapes. <i>BioScience</i> , 2010, 60, 37-46.	4.9	120
58	Prescribed burning effects on the hydrologic behavior of gullies in the South Carolina Piedmont. <i>Forest Ecology and Management</i> , 2010, 259, 1959-1970.	3.2	10
59	Modeling Phosphorus in the Lake Allatoona Watershed Using SWAT: I. Developing Phosphorus Parameter Values. <i>Journal of Environmental Quality</i> , 2009, 38, 111-120.	2.0	23
60	Modeling Phosphorus in the Lake Allatoona Watershed Using SWAT: II. Effect of Land Use Change. <i>Journal of Environmental Quality</i> , 2009, 38, 121-129.	2.0	26
61	Development and Evaluation of a Stream Channel Classification for Estimating Fish Responses to Changing Streamflow. <i>Transactions of the American Fisheries Society</i> , 2009, 138, 1123-1137.	1.4	12
62	Linkages between forest soils and water quality and quantity. <i>Forest Ecology and Management</i> , 2009, 258, 2269-2281.	3.2	268
63	Twenty-six key research questions in urban stream ecology: an assessment of the state of the science. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1080-1098.	3.1	312
64	Beyond the urban gradient: barriers and opportunities for timely studies of urbanization effects on aquatic ecosystems. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1038-1050.	3.1	14
65	Contaminant Retention Potential of Forested Filter Strips Established as SMZs in the Piedmont of Georgia. <i>Journal of the American Water Resources Association</i> , 2008, 44, 1564-1577.	2.4	16
66	Vegetated roofs for stormwater management at multiple spatial scales. <i>Landscape and Urban Planning</i> , 2007, 80, 84-94.	7.5	256
67	Simple, accurate, and efficient revisions to MacCormack and Saul'yev schemes: High Peclet numbers. <i>Applied Mathematics and Computation</i> , 2007, 186, 610-622.	2.2	16
68	Hydrologic Connectivity and the Contribution of Stream Headwaters to Ecological Integrity at Regional Scales. <i>Journal of the American Water Resources Association</i> , 2007, 43, 5-14.	2.4	427
69	Wetland Hydrology. , 2007, , 43-81.		1
70	Timber Harvesting. , 2007, , 1219-1222.		0
71	Urban Hydrology. , 2007, , 1268-1271.		0
72	"Urbanization Influences on Aquatic Communities in Northeastern Illinois Streams," by Faith A. Fitzpatrick, Mitchell A. Harris, Terri L. Arnold, and Kevin D. Richards. <i>Journal of the American Water Resources Association</i> , 2005, 41, 219-220.	2.4	3

#	ARTICLE	IF	CITATIONS
73	John D. Hewlett (1922â€“2004). <i>Eos</i> , 2005, 86, 124.	0.1	0
74	CONCENTRATED FLOW BREAKTHROUGHS MOVING THROUGH SILVICULTURAL STREAMSIDE MANAGEMENT ZONES: SOUTHEASTERN PIEDMONT, USA. <i>Journal of the American Water Resources Association</i> , 2004, 40, 1043-1052.	2.4	51
75	SEDIMENT TRAPPING WITHIN FORESTRY STREAMSIDE MANAGEMENT ZONES: GEORGIA PIEDMONT, USA. <i>Journal of the American Water Resources Association</i> , 2004, 40, 1421-1431.	2.4	42
76	AVERAGE DISCHARGE, PERENNIAL FLOW INITIATION, AND CHANNEL INITIATION - SMALL SOUTHERN APPALACHIAN BASINS. <i>Journal of the American Water Resources Association</i> , 2004, 40, 639-646.	2.4	15
77	Macroinvertebrate response to logging in coastal headwater streams of Washington, U.S.A.. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2004, 61, 529-537.	1.4	38
78	FORESTRY BEST MANAGEMENT PRACTICES AND THEIR EFFECTIVENESS. <i>Proceedings of the Water Environment Federation</i> , 2002, 2002, 223-235.	0.0	0
79	Woody debris and channel morphology in first- and second-order forested channels in Washington's coast ranges. <i>Water Resources Research</i> , 2002, 38, 16-1-16-14.	4.2	83
80	FOREST COVER, IMPERVIOUS-SURFACE AREA, AND THE MITIGATION OF STORMWATER IMPACTS. <i>Journal of the American Water Resources Association</i> , 2002, 38, 835-845.	2.4	243
81	Title is missing!. <i>Hydrobiologia</i> , 2002, 479, 143-154.	2.0	29
82	Development and application of simplified continuous hydrologic modeling for drainage design and analysis. <i>Water Science and Application</i> , 2001, , 39-58.	0.3	8
83	TIMBER HARVEST IMPACTS ON SMALL HEADWATER STREAM CHANNELS IN THE COAST RANGES OF WASHINGTON. <i>Journal of the American Water Resources Association</i> , 2001, 37, 1533-1549.	2.4	69
84	CHANNEL RESPONSE FROM SHRUB DOMINATED RIPARIAN COMMUNITIES AND ASSOCIATED EFFECTS ON SALMONTD HABITAT. <i>Journal of the American Water Resources Association</i> , 2001, 37, 1639-1651.	2.4	5
85	DISCUSSION 1. <i>Journal of the American Water Resources Association</i> , 2001, 37, 751-753.	2.4	3
86	Title is missing!. <i>Hydrobiologia</i> , 2000, 441, 123-132.	2.0	45
87	URBANIZATION OF AQUATIC SYSTEMS: DEGRADATION THRESHOLDS, STORMWATER DETECTION, AND THE LIMITS OF MITIGATION. <i>Journal of the American Water Resources Association</i> , 1997, 33, 1077-1090.	2.4	801
88	Reply [to â€œComment on â€˜Hillslope infiltration and lateral downslope unsaturated flowâ€™ by C. R. Jacksonâ€]. <i>Water Resources Research</i> , 1993, 29, 4169-4169.	4.2	6
89	Hillslope infiltration and lateral downslope unsaturated flow. <i>Water Resources Research</i> , 1992, 28, 2533-2539.	4.2	64
90	A model of transient, topographically driven, saturated subsurface flow. <i>Water Resources Research</i> , 1992, 28, 1417-1427.	4.2	15

#	ARTICLE	IF	CITATIONS
91	Passive Pulsing Airâ€Classifier Theory. Journal of Environmental Engineering, ASCE, 1988, 114, 106-109.	1.4	11
92	Hydrology: Urban. , 0, , 745-748.		0