AndrÃ© M Coleman

List of Publications by Year
in descending order

38 papers	1,669 citations	394421 19 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	2209 citing authors

#	Article	IF	Citations
1	Datasets for characterizing extreme events relevant to hydrologic design over the conterminous United States. Scientific Data, 2022, 9, 154.	5.3	5
2	Indexing habitat opportunity for juvenile anadromous fishes in tidal-fluvial wetland systems. Ecological Indicators, 2021, 124, 107422.	6.3	5
3	Utilizing high-purity carbon dioxide sources for algae cultivation and biofuel production in the United States: Opportunities and challenges. Journal of Cleaner Production, 2021, 321, 128779.	9.3	27
4	Evaluating nextâ€generation intensityâ€“durationâ€“frequency curves for design flood estimates in the snowâ€dominated western United States. Hydrological Processes, 2020, 34, 1255-1268.	2.6	14
5	Comparison of experimental and computational methods for discharge measurements from tidal wetlands. River Research and Applications, 2020, 36, 1954-1961.	1.7	3
6	Growth modeling to evaluate alternative cultivation strategies to enhance national microalgal biomass production. Algal Research, 2020, 49, 101939.	4.6	14
7	Municipal wastewater sludge as a renewable, cost-effective feedstock for transportation biofuels using hydrothermal liquefaction. Journal of Environmental Management, 2020, 270, 110852.	7.8	45
8	Balancing Water Sustainability and Productivity Objectives in Microalgae Cultivation: Siting Open Ponds by Considering Seasonal Water-Stress Impact Using AWARE-US. Environmental Science & Technology, 2020, 54, 2091-2102.	10.0	17
9	Incorporating Climate Nonstationarity and Snowmelt Processes in Intensityâ€“Durationâ€“Frequency Analyses with Case Studies in Mountainous Areas. Journal of Hydrometeorology, 2019, 20, 2331-2346.	1.9	10
10	Assessment of algal biofuel resource potential in the United States with consideration of regional water stress. Algal Research, 2019, 37, 30-39.	4.6	29
11	Enhancing Hydrologic Design by Next-Generation Intensity-Duration-Frequency Curves Considering Snowmelt and Climate Nonstationarity. , 2019, , .		1
12	Observed Spatiotemporal Changes in the Mechanisms of Extreme Water Available for Runoff in the Western United States. Geophysical Research Letters, 2019, 46, 767-775.	4.0	26
13	Waste-to-Energy biofuel production potential for selected feedstocks in the conterminous United States. Renewable and Sustainable Energy Reviews, 2018, 82, 2640-2651.	16.4	135
14	Wet waste-to-energy resources in the United States. Resources, Conservation and Recycling, 2018, 137, 32-47.	10.8	40
15	Municipal wastewater sludge as a sustainable bioresource in the United States. Journal of Environmental Management, 2017, 197, 673-680.	7.8	163
16	Estimating the Maximum Achievable Productivity in Outdoor Ponds: Microalgae Biomass Growth Modeling and Climate-Simulated Culturing. , 2016, , 113-137.		0
17	Potential land competition between open-pond microalgae production and terrestrial dedicated feedstock supply systems in the U.S.. Renewable Energy, 2016, 93, 201-214.	8.9	21
18	A spatially based areaâ€“time inundation index model developed to assess habitat opportunity in tidalâ€“fluvial wetlands and restoration sites. Ecological Engineering, 2015, 82, 624-642.	3.6	10

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19	A High Spatiotemporal Assessment of Consumptive Water Use and Water Scarcity in the Conterminous United States. Water Resources Management, 2015, 29, 5185-5200.	3.9	38
20	Strain Selection, Biomass to Biofuel Conversion, and Resource Colocation have Strong Impacts on the Economic Performance of Algae Cultivation Sites. Frontiers in Energy Research, 2014, 2, .	2.3	8
21	Siting Algae Cultivation Facilities for Biofuel Production in the United States: Trade-Offs between Growth Rate, Site Constructability, Water Availability, and Infrastructure. Environmental Science & Technology, 2014, 48, 3559-3566.	10.0	59
22	A national-scale comparison of resource and nutrient demands for algae-based biofuel production by lipid extraction and hydrothermal liquefaction. Biomass and Bioenergy, 2014, 64, 276-290.	5.7	77
23	An integrated assessment of location-dependent scaling for microalgae biofuel production facilities. Algal Research, 2014, 5, 79-94.	4.6	42
24	Assessment of algal farm designs using a dynamic modular approach. Algal Research, 2014, 5, 264-273.	4.6	5
25	Regional algal biofuel production potential in the coterminous United States as affected by resource availability trade-offs. Algal Research, 2014, 5, 215-225.	4.6	15
26	A Physically Based Runoff Routing Model for Land Surface and Earth System Models. Journal of Hydrometeorology, 2013, 14, 808-828.	1.9	187
27	Temporal land cover analysis for net ecosystem improvement. Ecohydrology and Hydrobiology, 2013, 13, 84-96.	2.3	8
28	A GIS Cost Model to Assess the Availability of Freshwater, Seawater, and Saline Groundwater for Algal Biofuel Production in the United States. Environmental Science & Technology, 2013, 47, 4840-4849.	10.0	77
29	Development of high resolution land surface parameters for the Community Land Model. Geoscientific Model Development, 2012, 5, 1341-1362.	3.6	78
30	An assessment of land availability and price in the coterminous United States for conversion to algal biofuel production. Biomass and Bioenergy, 2012, 47, 483-497.	5.7	24
31	Application of the diminishing returns concept in the hydroecologic restoration of riverscapes. Landscape Ecology, 2012, 27, 671-682.	4.2	7
32	National microalgae biofuel production potential and resource demand. Water Resources Research, 2011, 47, .	4.2	222
33	Evaluating runoff simulations from the Community Land Model 4.0 using observations from flux towers and a mountainous watershed. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	111
34	Hydrologic and Erosion Models to Assess Land Use and Management Practices Affecting Soil Erosion. Journal of Hydrologic Engineering - ASCE, 2009, 14, 27-41.	1.9	7
35	Hydraulic geometry and microtopography of tidal freshwater forested wetlands and implications for restoration, Columbia River, U.S.A.. Ecohydrology and Hydrobiology, 2008, 8, 339-361.	2.3	31
36	A GIS-Based Adaptive Management Decision Support System to Develop a Multi-Objective Framework: A Case Study Utilizing GIS Technologies and Physically-Based Models to Achieve Improved Decision Making for Site Management. Journal of Map and Geography Libraries, 2008, 4, 269-284.	0.1	2

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37	GeoSpatial Infrastructure at the U.S. Department of Energy's Hanford Site. Journal of Map and Geography Libraries, 2008, 4, 83-95.	0.1	0
38	The thermodynamic influence of subgrid orography in a global climate model. Climate Dynamics, 2002, 20, 31-44.	3.8	14