John W Day

List of Publications by Year
in descending order

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62	6,183	147801	123424
papers	citations	31 h-index	61 g-index

88	88	88	5054
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sinking deltas due to human activities. Nature Geoscience, 2009, 2, 681-686.	12.9	1,823
2	Restoration of the Mississippi Delta: Lessons from Hurricanes Katrina and Rita. Science, 2007, 315, 1679-1684.	12.6	644
3	Pattern and Process of Land Loss in the Mississippi Delta: A Spatial and Temporal Analysis of Wetland Habitat Change. Estuaries and Coasts, 2000, 23, 425.	1.7	409
4	Estimating shallow subsidence in microtidal salt marshes of the southeastern United States: Kaye and Barghoorn revisited. Marine Geology, 1995, 128, 1-9.	2.1	353
5	Consequences of Climate Change on the Ecogeomorphology of Coastal Wetlands. Estuaries and Coasts, 2008, 31, 477-491.	2.2	280
6	A review of emerging organic contaminants (EOCs), antibiotic resistant bacteria (ARB), and antibiotic resistance genes (ARGs) in the environment: Increasing removal with wetlands and reducing environmental impacts. Bioresource Technology, 2020, 307, 123228.	9.6	219
7	Impacts of Sea-Level Rise on Deltas in the Gulf of Mexico and the Mediterranean: The Importance of Pulsing Events to Sustainability. Estuaries and Coasts, 1995, 18, 636.	1.7	212
8	Vegetation death and rapid loss of surface elevation in two contrasting Mississippi delta salt marshes: The role of sedimentation, autocompaction and sea-level rise. Ecological Engineering, 2011, 37, 229-240.	3.6	200
9	Water Quality Analysis of a Freshwater Diversion at Caernarvon, Louisiana. Estuaries and Coasts, 1999, 22, 327.	1.7	154
10	High Precision Measurements of Sediment Elevation in Shallow Coastal Areas Using a Sedimentation-Erosion Table. Estuaries and Coasts, 1993, 16, 375.	1.7	152
11	Using Ecotechnology to address water quality and wetland habitat loss problems in the Mississippi basin: a hierarchical approach. Biotechnology Advances, 2003, 22, 135-159.	11.7	88
12	Wetland surface elevation, vertical accretion, and subsidence at three Louisiana Estuaries receiving diverted Mississippi River water. Wetlands, 2006, 26, 1130-1142.	1.5	88
13	Response scenarios for the deltaic plain of the RhÃ´ne in the face of an acceleration in the rate of sea-level rise with special attention toSalicornia-type environments. Estuaries and Coasts, 2002, 25, 337-358.	1.7	85
14	Morphologic development, relative sea level rise and sustainable management of water and sediment in the Ebre Delta, Spain. Journal of Coastal Conservation, 1997, 3, 191-202.	1.6	82
15	Sustainability of Mediterranean Deltaic and Lagoon Wetlands with Sea-Level Rise: The Importance of River Input. Estuaries and Coasts, 2011, 34, 483-493.	2.2	82
16	LANDSCAPE MODELING OF COASTAL HABITAT CHANGE IN THE MISSISSIPPI DELTA. Ecology, 2000, 81, 2331-2349.	3.2	71
17	Net primary production and decomposition of salt marshes of the Ebre delta (Catalonia, Spain). Estuaries and Coasts, 2002, 25, 309-324.	1.7	69
18	The impact of wastewater effluent on accretion and decomposition in a subsiding forested wetland. Wetlands, 2002, 22, 18-32.	1.5	56

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19	Vertical Accretion and Relative Sea Level Rise in the Ebro Delta Wetlands (Catalonia, Spain). Wetlands, 2010, 30, 979-988.	1.5	56
20	The MRGO Navigation Project: A Massive Human-Induced Environmental, Economic, and Storm Disaster. Journal of Coastal Research, 2009, 10054, 206-224.	0.3	50
21	Fate of Soil Organic Carbon During Wetland Loss. Wetlands, 2016, 36, 1167-1181.	1.5	49
22	Primary production and decomposition ofSarcocornia fruticosa (L.) scott andPhragmites australis Trin. Ex Steudel in the Po Delta, Italy. Estuaries and Coasts, 2002, 25, 325-336.	1.7	47
23	Coastal Wetland Resilience, Accelerated Seaâ€Level Rise, and the Importance of Timescale. AGU Advances, 2021, 2, e2020AV000334.	5.4	46
24	An Instrument System for High-Speed Mapping of Chlorophyll a and Physico-Chemical Variables in Surface Waters. Estuaries and Coasts, 1992, 15, 421.	1.7	44
25	Impacts of Changing Hydrology and Hurricanes on Forest Structure and Growth Along a Flooding/Elevation Gradient in a South Louisiana Forested Wetland from 1986 to 2009. Wetlands, 2014, 34, 803-814.	1.5	42
26	Survive or subside?. Nature Geoscience, 2008, 1, 156-157.	12.9	39
27	Vegetation and Soil Dynamics of a Louisiana Estuary Receiving Pulsed Mississippi River Water Following Hurricane Katrina. Estuaries and Coasts, 2013, 36, 665-682.	2.2	38
28	Restoring the sustainability of the Mississippi River Delta. Ecological Engineering, 2014, 65, 131-146.	3.6	33
29	Sediment Deposition at the Caernarvon Crevasse during the Great Mississippi Flood of 1927: Implications for Coastal Restoration. Water (Switzerland), 2016, 8, 38.	2.7	33
30	Life Cycle of Oil and Gas Fields in the Mississippi River Delta: A Review. Water (Switzerland), 2020, 12, 1492.	2.7	33
31	A Water Chemistry Assessment of Wastewater Remediation in a Natural Swamp. Journal of Environmental Quality, 2000, 29, 1960-1968.	2.0	32
32	Impacts of secondarily treated municipal effluent on a freshwater forested wetland after 60 years of discharge. Wetlands, 2009, 29, 363-371.	1.5	31
33	Nutrient stoichiometry, freshwater residence time, and nutrient retention in a river-dominated estuary in the Mississippi Delta. Hydrobiologia, 2011, 658, 41-54.	2.0	31
34	Artificial modifications of the coast in response to theDeepwater Horizonoil spill: quick solutions or long-term liabilities?. Frontiers in Ecology and the Environment, 2012, 10, 44-49.	4.0	30
35	Can Continental Shelf River Plumes in the Northern and Southern Gulf of Mexico Promote Ecological Resilience in a Time of Climate Change?. Water (Switzerland), 2016, 8, 83.	2.7	28
36	The Energy Pillars of Society: Perverse Interactions of Human Resource Use, the Economy, and Environmental Degradation. BioPhysical Economics and Resource Quality, 2018, 3, 1.	2.4	26

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37	Wetland shear strength with emphasis on the impact of nutrients, sediments, and sea level rise. Estuarine, Coastal and Shelf Science, 2019, 229, 106394.	2.1	25
38	Nutrient Transport in a Riverine-Influenced, Tidal Freshwater Bayou in Louisiana. Estuaries and Coasts, 1991, 14, 382.	1.7	24
39	Hydrologic and nutrient dynamics of a coastal bay and wetland receiving discharge from the Atchafalaya River. Hydrobiologia, 2011, 658, 55-66.	2.0	24
40	Morphologic development, relative sea level rise and sustainable management of water and sediment in the Ebre Delta, Spain. Journal of Coastal Conservation, 1997, 3, 191-202.	1.6	21
41	Growth Responses of Baldcypress to Wastewater Nutrient Additions and Changing Hydrologic Regime. Wetlands, 2012, 32, 95-103.	1.5	21
42	The Central Role of Energy in the Urban Transition: Global Challenges for Sustainability. BioPhysical Economics and Resource Quality, 2019, 4, 1.	2.4	19
43	Carbon Sequestration at a Forested Wetland Receiving Treated Municipal Effluent. Wetlands, 2017, 37, 861-873.	1.5	18
44	The impact of two large floods (1993â€“1994) on sediment deposition in the RhÃ´ne delta: Implications for sustainable management. Science of the Total Environment, 2017, 609, 251-262.	8.0	18
45	Modeling impacts of sea-level rise, oil price, and management strategy on the costs of sustaining Mississippi delta marshes with hydraulic dredging. Science of the Total Environment, 2018, 618, 1547-1559.	8.0	17
46	Structure of a unique inland mangrove forest assemblage in fossil lagoons on the Caribbean Coast of Mexico. Wetlands Ecology and Management, 2005, 13, 111-122.	1.5	16
47	Challenges in Collaborative Governance for Coastal Restoration: Lessons from the Caernarvon River Diversion in Louisiana. Coastal Management, 2017, 45, 125-142.	2.0	13
48	Early floating marsh establishment and growth dynamics in a nutrient amended wetland in the lower Mississippi delta. Wetlands, 2009, 29, 1004-1013.	1.5	12
49	Geo-cultural Time: Advancing Human Societal Complexity Within Worldwide Constraint Bottlenecksâ€"A Chronological/Helical Approach to Understanding Humanâ€"Planetary Interactions. BioPhysical Economics and Resource Quality, 2019, 4, 1.	2.4	11
50	Assessing Multi-Hazard Vulnerability and Dynamic Coastal Flood Risk in the Mississippi Delta: The Global Delta Risk Index as a Social-Ecological Systems Approach. Water (Switzerland), 2021, 13, 577.	2.7	10
51	Assessing Chlorophyll a Spatiotemporal Patterns Combining In Situ Continuous Fluorometry Measurements and Landsat 8/OLI Data across the Barataria Basin (Louisiana, USA). Water (Switzerland), 2021, 13, 512.	2.7	8
52	Deltas in Arid Environments. Water (Switzerland), 2021, 13, 1677.	2.7	8
53	River forcing at work: ecological modeling of prograding and regressive deltas. Wetlands Ecology and Management, 2004, 12, 103-114.	1.5	7
54	New Approaches to the Gulf Hypoxia Problem. Eos, 2010, 91, 173-173.	0.1	5

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55	The â€œProblemâ€•of New Orleans and Diminishing Sustainability of Mississippi River Managementâ€”Future Options. Water (Switzerland), 2021, 13, 813.	2.7	5
56	Produced Water 2: Environmental Issues and Mitigation Technologies. Estuaries and Coasts, 1997, 20, 655.	1.7	4
57	Elevation and accretion dynamics at historical plots in the Biloxi Marshes, Mississippi Delta. Estuarine, Coastal and Shelf Science, 2020, 245, 106970.	2.1	4
58	Nitrate Removal and Nitrate Removal Velocity in Coastal Louisiana Freshwater Wetlands. Analytical Letters, 2013, 46, 1171-1181.	1.8	3
59	Multivariate Analyses of Water Quality Dynamics Over Four Decades in the Barataria Basin, Mississippi Delta. Water (Switzerland), 2020, 12, 3143.	2.7	3
60	Recovery and Restoration of Biloxi Marsh in the Mississippi River Delta. Water (Switzerland), 2021, 13, 3179.	2.7	3
61	Aboveground Net Primary Productivity in a Riparian Wetland Following Restoration of Hydrology. Biology, 2016, 5, 10.	2.8	2
62	Assessing the response of the Gulf Coast to global change. Eos, 2012, 93, 456-456.	0.1	0