Dubravko JustiÄ

List of Publications by Year
in descending order

48 papers	4,820 citations	201674 27 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	4165 citing authors

#	Article	IF	Citations
1	Global change and eutrophication of coastal waters. ICES Journal of Marine Science, 2009, 66, 1528-1537.	2.5	835
2	Nutrient Changes in the Mississippi River and System Responses on the Adjacent Continental Shelf. Estuaries and Coasts, 1996, 19, 386.	1.7	696
3	Changes in nutrient structure of river-dominated coastal waters: stoichiometric nutrient balance and its consequences. Estuarine, Coastal and Shelf Science, 1995, 40, 339-356.	2.1	557
4	Stoichiometric nutrient balance and origin of coastal eutrophication. Marine Pollution Bulletin, 1995, 30, 41-46.	5.0	331
5	Gulf of Mexico Hypoxia: Alternate States and a Legacy. Environmental Science & Technology, 2008, 42, 2323-2327.	10.0	325
6	Predicting the response of Gulf of Mexico hypoxia to variations in Mississippi River nitrogen load. Limnology and Oceanography, 2003, 48, 951-956.	3.1	213
7	Nutrient-enhanced productivity in the northern Gulf of Mexico: past, present and future. Hydrobiologia, 2002, 475/476, 39-63.	2.0	183
8	Effects of climate change on hypoxia in coastal waters: A doubled CO₂ scenario for the northern Gulf of Mexico. Limnology and Oceanography, 1996, 41, 992-1003.	3.1	181
9	Seasonal coupling between riverborne nutrients, net productivity and hypoxia. Marine Pollution Bulletin, 1993, 26, 184-189.	5.0	137
10	Modeling the impacts of decadal changes in riverine nutrient fluxes on coastal eutrophication near the Mississippi River Delta. Ecological Modelling, 2002, 152, 33-46.	2.5	126
11	Reducing hypoxia in the Gulf of Mexico: Advice from three models. Estuaries and Coasts, 2004, 27, 419-425.	1.7	106
12	Climatic influences on riverine nitrate flux: Implications for coastal marine eutrophication and hypoxia. Estuaries and Coasts, 2003, 26, 1-11.	1.7	93
13	Changes in stoichiometric Si, N and P ratios of Mississippi River water diverted through coastal wetlands to the Gulf of Mexico. Estuarine, Coastal and Shelf Science, 2004, 60, 1-10.	2.1	83
14	Forecasting Gulfâ€™s hypoxia: The next 50 years?. Estuaries and Coasts, 2007, 30, 791-801.	2.2	81
15	Simulated responses of the Gulf of Mexico hypoxia to variations in climate and anthropogenic nutrient loading. Journal of Marine Systems, 2003, 42, 115-126.	2.1	80
16	Impacts of Mississippi River diversions on salinity gradients in a deltaic Louisiana estuary: Ecological and management implications. Estuarine, Coastal and Shelf Science, 2012, 111, 17-26.	2.1	80
17	A modeling study of the physical processes affecting the development of seasonal hypoxia over the inner Louisiana-Texas shelf: Circulation and stratification. Continental Shelf Research, 2009, 29, 1464-1476.	1.8	71
18	Assessing temporal and spatial variability of hypoxia over the inner Louisianaâ€“upper Texas shelf: Application of an unstructured-grid three-dimensional coupled hydrodynamic-water quality model. Continental Shelf Research, 2014, 72, 163-179.	1.8	63

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19	Optimizing Sediment Diversion Operations: Working Group Recommendations for Integrating Complex Ecological and Social Landscape Interactions. Water (Switzerland), 2017, 9, 368.	2.7	58
20	Mississippi River diversions and phytoplankton dynamics in deltaic Gulf of Mexico estuaries: A review. Estuarine, Coastal and Shelf Science, 2019, 221, 39-52.	2.1	52
21	Modeling estuarine-shelf exchanges in a deltaic estuary: Implications for coastal carbon budgets and hypoxia. Ecological Modelling, 2010, 221, 978-985.	2.5	40
22	Effects of model physics on hypoxia simulations for the northern Gulf of Mexico: A model intercomparison. Journal of Geophysical Research: Oceans, 2016, 121, 5731-5750.	2.6	37
23	Trends in summer bottom-water temperatures on the northern Gulf of Mexico continental shelf from 1985 to 2015. PLoS ONE, 2017, 12, e0184350.	2.5	35
24	Consequences of Mississippi River diversions on nutrient dynamics of coastal wetland soils and estuarine sediments: A review. Estuarine, Coastal and Shelf Science, 2019, 224, 209-216.	2.1	34
25	Hydrodynamic response of the Breton Sound estuary to pulsed Mississippi River inputs. Estuarine, Coastal and Shelf Science, 2011, 95, 216-231.	2.1	32
26	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
27	Carbon Dynamics on the Louisiana Continental Shelf and Cross-Shelf Feeding of Hypoxia. Estuaries and Coasts, 2015, 38, 703-721.	2.2	31
28	Simulating Fish Movement Responses to and Potential Salinity Stress from Largeâ€Scale River Diversions. Marine and Coastal Fisheries, 2014, 6, 43-61.	1.4	23
29	Nitrogen and phosphorus transport between Fourleague Bay, LA, and the Gulf of Mexico: the role of winter cold fronts and Atchafalaya River discharge. Estuarine, Coastal and Shelf Science, 2003, 57, 1065-1078.	2.1	21
30	Coastal land loss and hypoxia: the â€˜outwellingâ€™ hypothesis revisited. Environmental Research Letters, 2011, 6, 025001.	5.2	20
31	Development of Productivity Models for the Northern Gulf of Mexico Based on Oxygen Concentrations and Stable Isotopes. Estuaries and Coasts, 2009, 32, 436-446.	2.2	16
32	Hypoxic volume is more responsive than hypoxic area to nutrient load reductions in the northern Gulf of Mexicoâ€"and it matters to fish and fisheries. Environmental Research Letters, 2019, 14, 024012.	5.2	16
33	Dynamic Energy Budget modelling to predict eastern oyster growth, reproduction, and mortality under river management and climate change scenarios. Estuarine, Coastal and Shelf Science, 2021, 251, 107188.	2.1	16
34	Modeling the Population Effects of Hypoxia on Atlantic Croaker (Micropogonias undulatus) in the Northwestern Gulf of Mexico: Part 2â€"Realistic Hypoxia and Eutrophication. Estuaries and Coasts, 2018, 41, 255-279.	2.2	15
35	Wave dynamics near Barataria Bay tidal inlets during springâ€"summer time. Ocean Modelling, 2020, 147, 101553.	2.4	14
36	Making the most of available monitoring data: A grid-summarization method to allow for the combined use of monitoring data collected at random and fixed sampling stations. Fisheries Research, 2020, 229, 105623.	1.7	12

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37	Lateral Circulation in a Partially Stratified Tidal Inlet. Journal of Marine Science and Engineering, 2018, 6, 159.	2.6	11
38	Transport Processes in the Gulf of Mexico Along the River-Estuary-Shelf-Ocean Continuum: a Review of Research from the Gulf of Mexico Research Initiative. Estuaries and Coasts, 2022, 45, 621-657.	2.2	10
39	Suspended sediment dynamics in a deltaic estuary controlled by subtidal motion and offshore river plumes. Estuarine, Coastal and Shelf Science, 2021, 250, 107137.	2.1	9
40	Effects of spatial variability on the exposure of fish to hypoxia: a modeling analysis for the Gulf of Mexico. Biogeosciences, 2021, 18, 487-507.	3.3	9
41	Riverine and wet atmospheric nutrient inputs to the Southwestern Mediterranean region of North Africa. Marine Chemistry, 2021, 228, 103915.	2.3	8
42	Modeling Fish Movement in 3-D in the Gulf of Mexico Hypoxic Zone. Estuaries and Coasts, 2019, 42, 1662-1685.	2.2	7
43	Numerical Modeling of Hypoxia and Its Effects: Synthesis and Going Forward. , 2017, , 401-421.		5
44	A modeling study of water and sediment flux partitioning through the major passes of Mississippi Birdfoot Delta and their plume structures. Geomorphology, 2022, 401, 108109.	2.6	5
45	Tidal change in response to the relative sea level rise and marsh accretion in a tidally choked estuary. Continental Shelf Research, 2022, 234, 104642.	1.8	4
46	Comparing Default Movement Algorithms for Individual Fish Avoidance of Hypoxia in the Gulf of Mexico. , 2017, , 239-278.		2
47	Porewater chemistry of Louisiana marshes with contrasting salinities and its implications for coastal acidification. Estuarine, Coastal and Shelf Science, 2022, 268, 107801.	2.1	1
48	Application of Unstructured-Grid Finite Volume Coastal Ocean Model (FVCOM) to the Gulf of Mexico hypoxie zone. , 2009, , .		0