

Gary W Shenk

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

698
citations

687220

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all docs

32
docs citations

32
times ranked

706
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms Controlling Climate Warming Impact on the Occurrence of Hypoxia in Chesapeake Bay. <i>Journal of the American Water Resources Association</i> , 2022, 58, 855-875.	1.0	9
2	Quantifying the Response of Nitrogen Speciation to Hydrology in the Chesapeake Bay Watershed Using a Multilevel Modeling Approach. <i>Journal of the American Water Resources Association</i> , 2022, 58, 792-804.	1.0	1
3	Nitrogen reductions have decreased hypoxia in the Chesapeake Bay: Evidence from empirical and numerical modeling. <i>Science of the Total Environment</i> , 2022, 814, 152722.	3.9	13
4	Major point and nonpoint sources of nutrient pollution to surface water have declined throughout the Chesapeake Bay watershed. <i>Environmental Research Communications</i> , 2022, 4, 045012.	0.9	16
5	Socio-technical scales in socio-environmental modeling: Managing a system-of-systems modeling approach. <i>Environmental Modelling and Software</i> , 2021, 135, 104885.	1.9	38
6	Atmospheric nitrogen deposition in the Chesapeake Bay watershed: A history of change. <i>Atmospheric Environment</i> , 2021, 251, 118277.	1.9	14
7	Advancing estuarine ecological forecasts: seasonal hypoxia in Chesapeake Bay. <i>Ecological Applications</i> , 2021, 31, e02384.	1.8	13
8	The Chesapeake Bay program modeling system: Overview and recommendations for future development. <i>Ecological Modelling</i> , 2021, 456, 109635.	1.2	30
9	Supporting cost-effective watershed management strategies for Chesapeake Bay using a modeling and optimization framework. <i>Environmental Modelling and Software</i> , 2021, 144, 105141.	1.9	17
10	Sediment dynamics and implications for management: State of the science from long-term research in the Chesapeake Bay watershed, USA. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1454.	2.8	56
11	Phosphorus and the Chesapeake Bay: Lingerin g Issues and Emerging Concerns for Agriculture. <i>Journal of Environmental Quality</i> , 2019, 48, 1191-1203.	1.0	48
12	Revised Method and Outcomes for Estimating Soil Phosphorus Losses from Agricultural Land in the Chesapeake Bay Watershed Model. <i>Journal of Environmental Quality</i> , 2017, 46, 1388-1394.	1.0	6
13	Influence of Reservoir Infill on Coastal Deep Water Hypoxia. <i>Journal of Environmental Quality</i> , 2016, 45, 887-893.	1.0	9
14	Using Geographically Isolated Loading Scenarios to Analyze Nitrogen and Phosphorus Exchanges and Explore Tailored Nutrient Control Strategies for Efficient Management. <i>Environmental Modeling and Assessment</i> , 2016, 21, 437-454.	1.2	7
15	Development of the Chesapeake Bay Watershed Total Maximum Daily Load Allocation. <i>Journal of the American Water Resources Association</i> , 2013, 49, 986-1006.	1.0	87
16	Development and Application of the 2010 Chesapeake Bay Watershed Total Maximum Daily Load Model. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1042-1056.	1.0	130
17	Using Multiple Watershed Models to Predict Water, Nitrogen, and Phosphorus Discharges to the Patuxent Estuary. <i>Journal of the American Water Resources Association</i> , 2013, 49, 15-39.	1.0	21
18	Computing Atmospheric Nutrient Loads to the Chesapeake Bay Watershed and Tidal Waters. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1025-1041.	1.0	43

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19	Total Maximum Daily Load Criteria Assessment Using Monitoring and Modeling Data. Journal of the American Water Resources Association, 2013, 49, 1134-1149.	1.0	16
20	Enhanced HSPF Model Structure for Chesapeake Bay Watershed Simulation. Journal of Environmental Engineering, ASCE, 2012, 138, 949-957.	0.7	33
21	Development of a new indicator of pollutant loads and its application to the Chesapeake Bay watershed. River Research and Applications, 2011, 27, 202-212.	0.7	4
22	Forecast of Summer Anoxia in the Chesapeake Bay. , 2006, , .		0
23	Volume Analysis for Attainability of Water Quality Criteria for Three Loading Constituents. , 2004, , .		0
24	A SHORT HISTORY OF CHESAPEAKE BAY MODELING AND THE NEXT GENERATION OF WATERSHED AND ESTUARINE MODELS. Proceedings of the Water Environment Federation, 2002, 2002, 569-582.	0.0	12
25	SIMULATING THE CHESAPEAKE BAY WATERSHED WITH TIME-VARYING LAND USE AND MANAGEMENT ACTIONS.. Proceedings of the Water Environment Federation, 2002, 2002, 225-237.	0.0	3
26	Nutrient and Solids Controls in Virginia's Chesapeake Bay Tributaries. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 179-189.	1.3	10
27	APPLICATION OF VISUALIZATION TECHNOLOGY ON WATERSHED MODEL EVALUATION. Proceedings of the Water Environment Federation, 2000, 2000, 1332-1362.	0.0	0
28	Cross-Media Models of the Chesapeake Bay Watershed and Airshed. Water Quality and Ecosystems Modeling, 2000, 1, 91-122.	0.0	32
29	Title is missing!. Water Quality and Ecosystems Modeling, 2000, 1, 253-269.	0.0	3
30	Dynamic Optimal Ground Water Remediation by Granular Activated Carbon. Journal of Water Resources Planning and Management - ASCE, 1998, 124, 59-64.	1.3	22