Dean B Gesch

List of Publications by Year
in descending order

25 papers	1,872 citations	759233 12 h-index	752698 20 g-index
42 all docs	42 docs citations	42 times ranked	3223 citing authors

#	Article	IF	Citations
1	New land surface digital elevation model covers the Earth. Eos, 1999, 80, 69.	0.1	225
2	Analysis of Lidar Elevation Data for Improved Identification and Delineation of Lands Vulnerable to Sea-Level Rise. Journal of Coastal Research, 2009, 10053, 49-58.	0.3	168
3	Evaluation of dynamic coastal response to sea-level rise modifies inundation likelihood. Nature Climate Change, 2016, 6, 696-700.	18.8	105
4	Best Practices for Elevation-Based Assessments of Sea-Level Rise and Coastal Flooding Exposure. Frontiers in Earth Science, 2018, 6, .	1.8	80
5	Digital Elevation Models: Terminology and Definitions. Remote Sensing, 2021, 13, 3581.	4.0	59
6	Development of a Seamless Multisource Topographic/Bathymetric Elevation Model of Tampa Bay. Marine Technology Society Journal, 2001, 35, 58-64.	0.4	51
7	Topobathymetric Elevation Model Development using a New Methodology: Coastal National Elevation Database. Journal of Coastal Research, 2016, 76, 75-89.	0.3	48
8	Effects of sea–level rise on barrier island groundwater system dynamics – ecohydrological implications. Ecohydrology, 2014, 7, 1064-1071.	2.4	47
9	Consideration of Vertical Uncertainty in Elevation-Based Sea-Level Rise Assessments: Mobile Bay, Alabama Case Study. Journal of Coastal Research, 2013, 63, 197-210.	0.3	41
10	VALIDATION OF THE ASTER GLOBAL DIGITAL ELEVATION MODEL VERSION 2 OVER THE CONTERMINOUS UNITED STATES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B4, 281-286.	0.2	41
11	A spatial analysis of climate gentrification in Orleans Parish, Louisiana post-Hurricane Katrina. Environmental Research, 2020, 185, 109384.	7.5	37
12	Hydrography Change Detection: The Usefulness of Surface Channels Derived From LiDAR DEMs for Updating Mapped Hydrography[1]. Journal of the American Water Resources Association, 2013, 49, 371-389.	2.4	27
13	Evaluation of the Global Multi-Resolution Terrain Elevation Data 2010 (GMTED2010) using ICESat geodetic control. Proceedings of SPIE, 2011, , .	0.8	22
14	SUMMARY OF THE VALIDATION OF THE SECOND VERSION OF THE ASTER GDEM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B4, 291-293.	0.2	18
15	Elevations of mangrove forests of Pohnpei, Micronesia. Estuarine, Coastal and Shelf Science, 2022, 268, 107780.	2.1	15
16	Creating a Coastal National Elevation Database (CoNED) for Science and Conservation Applications. Journal of Coastal Research, 2016, 76, 64-74.	0.3	11
17	Inundation Exposure Assessment for Majuro Atoll, Republic of the Marshall Islands Using A High-Accuracy Digital Elevation Model. Remote Sensing, 2020, 12, 154.	4.0	10
18	Introduction: Special Issue on Advances in Topobathymetric Mapping, Models, and Applications. Journal of Coastal Research, 2016, 76, 1-3.	0.3	8

#	Article	IF	Citations
19	New products from the shuttle radar topography mission. Eos, 2006, 87, 174.	0.1	6
20	Accuracy assessment of a global elevation model using Shuttle Laser Altimeter data. , 1998, , .		5
21	Mission in the works promised precise global topographic data. Eos, 1995, 76, 225-225.	0.1	4
22	Analysis of Multi-Temporal Geospatial Data Sets to Assess the Landscape Effects of Surface Mining. Journal of the American Society of Mining and Reclamation, 2005, 2005, 415-432.	0.3	3
23	A comparison of US Geological Survey seamless elevation models with Shuttle Radar Topography Mission data. , 0, , .		3
24	The global topography mission gains momentum. Eos, 1995, 76, 213-213.	0.1	1
25	An inventory of topographic surface changes: the value of multi-temporal elevation data for change analysis and monitoring. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-4, 59-63.	0.2	1