Pawel S Dabrowski

List of Publications by Year
in descending order

43 papers	586 citations	687363 13 h-index	677142 22 g-index
46 all docs	46 docs citations	46 times ranked	360 citing authors

#	Article	IF	Citations
1	Comparative analysis of positioning accuracy of Samsung Galaxy smartphones in stationary measurements. PLoS ONE, 2019, 14, e0215562.	2.5	49
2	Assessment of the Positioning Accuracy of DGPS and EGNOS Systems in the Bay of Gdansk using Maritime Dynamic Measurements. Journal of Navigation, 2019, 72, 575-587.	1.7	44
3	Comparative analysis of positioning accuracy of GNSS receivers of Samsung Galaxy smartphones in marine dynamic measurements. Advances in Space Research, 2019, 63, 3018-3028.	2.6	43
4	Geospatial Modeling of the Tombolo Phenomenon in Sopot using Integrated Geodetic and Hydrographic Measurement Methods. Remote Sensing, 2020, 12, 737.	4.0	33
5	Methodology for Carrying out Measurements of the Tombolo Geomorphic Landform Using Unmanned Aerial and Surface Vehicles near Sopot Pier, Poland. Journal of Marine Science and Engineering, 2020, 8, 384.	2.6	32
6	Using UAV Photogrammetry to Analyse Changes in the Coastal Zone Based on the Sopot Tombolo (Salient) Measurement Project. Sensors, 2020, 20, 4000.	3.8	30
7	Testing GNSS receiver accuracy in Samsung Galaxy series mobile phones at a sports stadium. Measurement Science and Technology, 2020, 31, 064006.	2.6	26
8	Integration of Multi-Source Geospatial Data from GNSS Receivers, Terrestrial Laser Scanners, and Unmanned Aerial Vehicles. Canadian Journal of Remote Sensing, 2021, 47, 621-634.	2.4	24
9	Study on the Coastline Evolution in Sopot (2008–2018) Based on Landsat Satellite Imagery. Journal of Marine Science and Engineering, 2020, 8, 464.	2.6	23
10	COMPARATIVE ANALYSIS OF ACTIVE GEODETIC NETWORKS IN POLAND. , 2017, , .		23
11	The Use of USV to Develop Navigational and Bathymetric Charts of Yacht Ports on the Example of National Sailing Centre in Gdańsk. Remote Sensing, 2020, 12, 2585.	4.0	21
12	Road Tests of the Positioning Accuracy of INS/GNSS Systems Based on MEMS Technology for Navigating Railway Vehicles. Energies, 2020, 13, 4463.	3.1	21
13	Determination of the Territorial Sea Baseline – Measurement Aspect. IOP Conference Series: Earth and Environmental Science, 2017, 95, 032011.	0.3	14
14	Digital Filtering of Railway Track Coordinates in Mobile Multi–Receiver GNSS Measurements. Sensors, 2020, 20, 5018.	3.8	13
15	The Accuracy of a Marine Satellite Compass under Terrestrial Urban Conditions. Journal of Marine Science and Engineering, 2020, 8, 18.	2.6	13
16	Comparative analysis of positioning accuracy of Garmin Forerunner wearable GNSS receivers in dynamic testing. Measurement: Journal of the International Measurement Confederation, 2021, 183, 109846.	5.0	13
17	Testing the Positioning Accuracy of GNSS Solutions during the Tramway Track Mobile Satellite Measurements in Diverse Urban Signal Reception Conditions. Energies, 2020, 13, 3646.	3.1	12
18	Modeling 3D Objects for Navigation Purposes Using Laser Scanning. TransNav, 2016, 10, 301-306.	0.6	12

#	Article	IF	Citations
19	3D point‐cloud spatial expansion by total least‐squares line fitting. Photogrammetric Record, 2020, 35, 509-527.	0.4	10
20	Seabed Topography Changes in the Sopot Pier Zone in 2010–2018 Influenced by Tombolo Phenomenon. Sensors, 2020, 20, 6061.	3.8	10
21	Integrated Geodetic and Hydrographic Measurements of the Yacht Port for Nautical Charts and Dynamic Spatial Presentation. Geosciences (Switzerland), 2020, 10, 203.	2.2	10
22	Determining the Variability of the Territorial Sea Baseline on the Example of Waterbody Adjacent to the Municipal Beach in Gdynia. Applied Sciences (Switzerland), 2019, 9, 3867.	2.5	9
23	Polish DGPS System: 1995–2017 – Study of Positioning Accuracy. Polish Maritime Research, 2019, 26, 15-21.	1.9	9
24	Verification of GNSS Measurements of the Railway Track Using Standard Techniques for Determining Coordinates. Remote Sensing, 2020, 12, 2874.	4.0	9
25	Spatial expansion of the symmetrical objects point clouds to the lateral surface of the cylinder – Mathematical model. Measurement: Journal of the International Measurement Confederation, 2019, 134, 40-47.	5.0	8
26	Innovative mobile method to determine railway track axis position in global coordinate system using position measurements performed with GNSS and fixed base of the measuring vehicle. Measurement: Journal of the International Measurement Confederation, 2021, 175, 109016.	5.0	8
27	Application of Least Squares with Conditional Equations Method for Railway Track Inventory Using GNSS Observations. Sensors, 2020, 20, 4948.	3.8	7
28	Impact of cross-section centers estimation on the accuracy of the point cloud spatial expansion using robust M-estimation and Monte Carlo simulation. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110436.	5.0	7
29	Accuracy Analysis of Measuring X-Y-Z Coordinates with Regard to the Investigation of the Tombolo Effect. Sensors, 2020, 20, 1167.	3.8	6
30	Use of a Least Squares with Conditional Equations Method in Positioning a Tramway Track in the Gdansk Agglomeration. TransNav, 2019, 13, 895-900.	0.6	5
31	Novel PCSE-based approach of inclined structures geometry analysis on the example of the Leaning Tower of Pisa. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110462.	5.0	5
32	Evaluation of the Possibility of Identifying a Complex Polygonal Tram Track Layout Using Multiple Satellite Measurements. Sensors, 2020, 20, 4408.	3.8	4
33	3D modelling of beach topography changes caused by the tombolo phenomenon using terrestrial laser scanning (TLS) and unmanned aerial vehicle (UAV) photogrammetry on the example of the city of Sopot. Geo-Marine Letters, 2020, 40, 675-685.	1.1	4
34	Accuracy of Geopotential Models Used in Smartphone Positioning in the Territory of Poland. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012080.	0.3	3
35	Selected aspects of testing the positioning accuracy of GNSS receivers used in sports and recreation by dynamic measurements. Baltic Journal of Health and Physical Activity, 2019, 11, 75-84.	0.5	3
36	Mobile satellite measurements on the Pomeranian Metropolitan Railway. Transportation Overview, 2016, 2016, 24-35.	0.0	3

#	Article	IF	Citations
37	Research project BRIK: development of an innovative method for determining the precise trajectory of a railway vehicle. Transportation Overview, 2019, 2019, 32-47.	0.0	3
38	Three-Dimensional Thematic Map Imaging of the Yacht Port on the Example of the Polish National Sailing Centre Marina in GdaÅ"sk. Applied Sciences (Switzerland), 2021, 11, 7016.	2.5	2
39	Study on the Positioning Accuracy of the GNSS/INS System Supported by the RTK Receiver for Railway Measurements. Energies, 2022, 15, 4094.	3.1	2
40	The Symmetry of GPS Orbit Ascending Nodes. Remote Sensing, 2021, 13, 387.	4.0	1
41	Runaway PRN11 GPS satellite. , 0, , .		1
42	Polish DGPS System: 1995-2018 â€" Studies of Reference Station Operating Zones. TransNav, 2019, 13, 581-586.	0.6	1
43	Correction of determined coordinates of railway tracks in mobile satellite measurements. Diagnostyka, 2020, 21, 77-85.	0.8	1