

Joong-Sun Won

List of Publications by Year in descending order

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99
papers

3,362
citations

172207

29
h-index

143772

57
g-index

101
all docs

101
docs citations

101
times ranked

2895
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient SAR Azimuth Ambiguity Reduction in Coastal Waters Using a Simple Rotation Matrix: The Case Study of the Northern Coast of Jeju Island. <i>Remote Sensing</i> , 2021, 13, 4865.	1.8	3
2	Acceleration Compensation for Estimation of Along-Track Velocity of Ground Moving Target from Single-Channel SAR SLC Data. <i>Remote Sensing</i> , 2020, 12, 1609.	1.8	7
3	An Atmospheric Correction Using High Resolution Numerical Weather Prediction Models for Satellite-Borne Single-Channel Mid-Wavelength and Thermal Infrared Imaging Sensors. <i>Remote Sensing</i> , 2020, 12, 853.	1.8	3
4	Classification of sea ice types in Sentinel-1 synthetic aperture radar images. <i>Cryosphere</i> , 2020, 14, 2629-2645.	1.5	50
5	Two-Dimensional Ship Velocity Estimation Based on KOMPSAT-5 Synthetic Aperture Radar Data. <i>Remote Sensing</i> , 2019, 11, 1474.	1.8	12
6	Textural Noise Correction for Sentinel-1 TOPSAR Cross-Polarization Channel Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4040-4049.	2.7	32
7	Detection and Velocity Measurement of Brash Ice in the Arctic Ocean by TerraSAR-X Quad-pol SAR. <i>Journal of Coastal Research</i> , 2019, 90, 1.	0.1	2
8	Efficient Thermal Noise Removal for Sentinel-1 TOPSAR Cross-Polarization Channel. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1555-1565.	2.7	72
9	Vegetation Height Estimate in Rice Fields Using Single Polarization TanDEM-X Science Phase Data. <i>Remote Sensing</i> , 2018, 10, 1702.	1.8	17
10	Using TanDEM-X Pursuit Monostatic Observations with a Large Perpendicular Baseline to Extract Glacial Topography. <i>Remote Sensing</i> , 2018, 10, 1851.	1.8	8
11	Doppler Frequency Estimation of Point Targets in the Single-Channel SAR Image by Linear Least Squares. <i>Remote Sensing</i> , 2018, 10, 1160.	1.8	5
12	Measurement of precise three-dimensional volcanic deformations via TerraSAR-X synthetic aperture radar interferometry. <i>Remote Sensing of Environment</i> , 2017, 192, 228-237.	4.6	22
13	Spatiotemporal Variation in Suspended Sediment Concentrations and Related Factors of Coastal Waters Based on Multispatial Satellite Data in Gyeonggi Bay, Korea. <i>Journal of Coastal Research</i> , 2017, 333, 653-667.	0.1	7
14	Rice paddy height estimation from single-polarization TanDEM-X science phase data. , 2017, , .		0
15	Fast and Efficient Correction of Ground Moving Targets in a Synthetic Aperture Radar, Single-Look Complex Image. <i>Remote Sensing</i> , 2017, 9, 926.	1.8	7
16	Landslide hazard mapping considering rainfall probability in Inje, Korea. <i>Geomatics, Natural Hazards and Risk</i> , 2016, 7, 424-446.	2.0	34
17	A Study on the Land Surface Emissivity (LSE) Distribution of Mid-wavelength Infrared (MWIR) over the Korean Peninsula. <i>Korean Journal of Remote Sensing</i> , 2016, 32, 423-434.	0.4	0
18	Detecting the Source Location of Recent Summit Inflation via Three-Dimensional InSAR Observation of K��lauea Volcano. <i>Remote Sensing</i> , 2015, 7, 14386-14402.	1.8	26

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19	An empirical model for measurement accuracy of along-track deformation by advanced multiple-aperture SAR interferometry from COSMO-SkyMed dataset. , 2015, , .		0
20	Interferometric analysis of quad-pol SAR data for observation of sea ice dynamics. , 2015, , .		0
21	Measurement of slow-moving along-track displacement from an efficient multiple-aperture SAR interferometry (MAI) stacking. Journal of Geodesy, 2015, 89, 411-425.	1.6	37
22	Measurement of three-dimensional surface deformation by Cosmo-SkyMed X-band radar interferometry: Application to the March 2011 Kamoamoao fissure eruption, K��lauea Volcano, Hawai'i. Remote Sensing of Environment, 2015, 169, 176-191.	4.6	20
23	Spatial Landslide Hazard Prediction Using Rainfall Probability and a Logistic Regression Model. Mathematical Geosciences, 2015, 47, 565-589.	1.4	50
24	Halophyte die-off in response to anthropogenic impacts on tidal flats. Estuarine, Coastal and Shelf Science, 2014, 151, 347-354.	0.9	8
25	Measurement of three-dimensional surface deformation of the March 2011 Kamoamoao fissure eruption, Kilauea Volcano, Hawai'i. , 2014, , .		1
26	Optical remote sensing for long-term changes of surface sediments on tidal flats: Preliminary results in the West Coast of Korea. , 2014, , .		2
27	Spatial and temporal change in landslide hazard by future climate change scenarios using probabilistic-based frequency ratio model. Geocarto International, 2014, 29, 639-662.	1.7	29
28	Dynamic deformation of Seguam Island, Alaska, 1992��2008, from multi-interferogram InSAR processing. Journal of Volcanology and Geothermal Research, 2013, 260, 43-51.	0.8	28
29	Measurement of the water level in reservoirs from TerraSAR-X SAR interferometry and amplitude images. Remote Sensing Letters, 2013, 4, 446-454.	0.6	6
30	Interferometric Coherence Analysis of the Everglades Wetlands, South Florida. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 5210-5224.	2.7	45
31	A Land Cover Variation Model of Water Level for the Floodplain of Tonle Sap, Cambodia, Derived From ALOS PALSAR and MODIS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2238-2253.	2.3	12
32	Ionospheric Correction of SAR Interferograms by Multiple-Aperture Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 3191-3199.	2.7	76
33	A tidal correction model for near-infrared (NIR) reflectance over tidal flats. Remote Sensing Letters, 2013, 4, 833-842.	0.6	5
34	Standardization of sedimentary facies and topography based on the tidal channel type in Western coastal area, Korea. Journal of Coastal Research, 2013, 165, 1373-1378.	0.1	4
35	Tidal flat reflectance model accommodating tidal conditions using Geostationary Ocean Color Imager (GOCI): Preliminary results. , 2012, , .		0
36	Ensemble-based landslide susceptibility maps in Jinbu area, Korea. Environmental Earth Sciences, 2012, 67, 23-37.	1.3	55

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37	Potential uses of TerraSAR-X for mapping herbaceous halophytes over salt marsh and tidal flats. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 115, 366-376.	0.9	33
38	Tidal channel distribution in relation to surface sedimentary facies based on remotely sensed data. <i>Geosciences Journal</i> , 2012, 16, 127-137.	0.6	13
39	Intertidal DEM Generation Using Satellite Radar Interferometry. <i>Korean Journal of Remote Sensing</i> , 2012, 28, 121-128.	0.4	7
40	An Efficient Method of Doppler Parameter Estimation in the Time-Frequency Domain for a Moving Object From TerraSAR-X Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 4771-4787.	2.7	37
41	Mapping Three-Dimensional Surface Deformation by Combining Multiple-Aperture Interferometry and Conventional Interferometry: Application to the June 2007 Eruption of Kilauea Volcano, Hawaii. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2011, 8, 34-38.	1.4	143
42	A Study of Decadal Sedimentation Trend Changes by Waterline Comparisons within the Ganghwa Tidal Flats Initiated by Human Activities. <i>Journal of Coastal Research</i> , 2011, 276, 857-869.	0.1	28
43	Landslide susceptibility mapping by using an adaptive neuro-fuzzy inference system (ANFIS). , 2011, , .		3
44	Assessment of TerraSAR-X for mapping salt marsh. , 2011, , .		1
45	Monitoring of topographic change on the coastal area. , 2011, , .		0
46	Integration of a subsidence model and SAR interferometry for a coal mine subsidence hazard map in Taebaek, Korea. <i>International Journal of Remote Sensing</i> , 2011, 32, 8161-8181.	1.3	24
47	Temporal and spatial variability of SST and LST concentrations in the Korea Sea using empirical orthogonal function (EOF) analysis of remote sensing data. , 2010, , .		0
48	Study on the sediment classification in a tidal flat considering the pattern of channel distribution. , 2010, , .		3
49	Fusion of ALOS PALSAR and ASTER data for landcover classification at Tonle Sap floodplain, Cambodia. <i>Proceedings of SPIE</i> , 2010, , .	0.8	1
50	A time-series SAR observation of surface deformation at the southern end of the San Andreas Fault Zone. <i>Geosciences Journal</i> , 2010, 14, 277-287.	0.6	20
51	Application of a fuzzy operator to susceptibility estimations of coal mine subsidence in Taebaek City, Korea. <i>Environmental Earth Sciences</i> , 2010, 59, 1009-1022.	1.3	81
52	Validation of an artificial neural network model for landslide susceptibility mapping. <i>Environmental Earth Sciences</i> , 2010, 60, 473-483.	1.3	83
53	Multi-temporal monitoring of wetland water levels in the Florida Everglades using interferometric synthetic aperture radar (InSAR). <i>Remote Sensing of Environment</i> , 2010, 114, 2436-2447.	4.6	123
54	Integration of InSAR and GIS for an estimation of ground subsidence susceptibility. , 2010, , .		0

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55	Detection and Restoration of Defective Lines in the SPOT 4 SWIR Band. IEEE Transactions on Image Processing, 2010, 19, 2143-2156.	6.0	25
56	A study of tidal channel influence upon surficial sediment distribution in the Ganghwa-Do southern tidal flat. , 2010, , .		2
57	Measurements and predictions of subsidence induced by soil consolidation using persistent scatterer InSAR and a hyperbolic model. Geophysical Research Letters, 2010, 37, .	1.5	60
58	An Improvement of the Performance of Multiple-Aperture SAR Interferometry (MAI). IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 2859-2869.	2.7	131
59	Formulation of distortion error for the line-of-sight (LOS) vector adjustment model and its role in restitution of SPOT imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2008, 63, 610-620.	4.9	4
60	Detecting the intertidal morphologic change using satellite data. Estuarine, Coastal and Shelf Science, 2008, 78, 623-632.	0.9	129
61	Deformation of the Augustine Volcano, Alaska, 1992-2005, measured by ERS and ENVISAT SAR interferometry. Earth, Planets and Space, 2008, 60, 447-452.	0.9	11
62	InSAR-based mapping of surface subsidence in Mokpo City, Korea, using JERS-1 and ENVISAT SAR data. Earth, Planets and Space, 2008, 60, 453-461.	0.9	16
63	Line-of-Sight Vector Adjustment Model for Geopositioning of SPOT-5 Stereo Images. Photogrammetric Engineering and Remote Sensing, 2007, 73, 1267-1276.	0.3	9
64	Satellite observation of coal mining subsidence by persistent scatterer analysis. Engineering Geology, 2007, 92, 1-13.	2.9	89
65	Monitoring of urban land surface subsidence using PSInSAR. Geosciences Journal, 2007, 11, 59-73.	0.6	37
66	Polarimetric Features of Oyster Farm Observed by AIRSAR and JERS-1. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 2728-2735.	2.7	31
67	Coherence Improvement of Cross-Interferometric Pair by a Block Azimuth Filtering. , 2006, , .		1
68	The Application of Artificial Neural Networks to Landslide Susceptibility Mapping at Janghung, Korea. Mathematical Geosciences, 2006, 38, 199-220.	0.9	74
69	Assessment of ground subsidence hazard near an abandoned underground coal mine using GIS. Environmental Geology, 2006, 50, 1183-1191.	1.2	105
70	An Efficient Method to Detect Defective Detectors of SPOT 4 SWIR Band Using Iterative High-pass Filtering. , 2006, , .		0
71	Extraction of ground control points (GCPs) from synthetic aperture radar images and SRTM DEM. International Journal of Remote Sensing, 2006, 27, 3813-3829.	1.3	9
72	An application of L-band synthetic aperture radar to tide height measurement. IEEE Transactions on Geoscience and Remote Sensing, 2005, 43, 1472-1478.	2.7	20

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73	Application of L-band differential SAR interferometry to subsidence rate estimation in reclaimed coastal land. <i>International Journal of Remote Sensing</i> , 2005, 26, 1363-1381.	1.3	22
74	A critical grain size for Landsat ETM+ investigations into intertidal sediments: a case study of the Gomso tidal flats, Korea. <i>Estuarine, Coastal and Shelf Science</i> , 2004, 60, 491-502.	0.9	48
75	Determination and application of the weights for landslide susceptibility mapping using an artificial neural network. <i>Engineering Geology</i> , 2004, 71, 289-302.	2.9	481
76	Spectral correlation analysis of complex data. <i>Optik</i> , 2004, 115, 375-379.	1.4	1
77	Use of an artificial neural network for analysis of the susceptibility to landslides at Boun, Korea. <i>Environmental Geology</i> , 2003, 44, 820-833.	1.2	153
78	Landslide susceptibility analysis using GIS and artificial neural network. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 1361-1376.	1.2	210
79	Measurements of soil compaction rate by using JERS-1 SAR and a prediction model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2003, 41, 2683-2686.	2.7	15
80	Polarimetric synthetic aperture radar (SAR) and geodynamic applications: An overview of a new Earth system observation concept. <i>Geosciences Journal</i> , 2002, 6, 341-346.	0.6	1
81	Waterline extraction from Landsat TM data in a tidal flatA case study in Gomso Bay, Korea. <i>Remote Sensing of Environment</i> , 2002, 83, 442-456.	4.6	312
82	Multi temporal JERS-1 SAR investigation of Mt. Baekdu stratovolcano using differential interferometry. <i>Geosciences Journal</i> , 2001, 5, 301-312.	0.6	12
83	Water Quality and Pollution in the Hunchun Basin, China. <i>Environmental Geochemistry and Health</i> , 2000, 22, 1-18.	1.8	17
84	Evaluation of heavy metal contamination and implication of multiple sources from Hunchun basin, northeastern China. <i>Environmental Geology</i> , 2000, 39, 1039-1052.	1.2	35
85	Inversion of synthetic aperture radar data for surface scattering. <i>Geophysical Journal International</i> , 1992, 108, 423-432.	1.0	2
86	Application of neural networks to waterline extraction in tidal flat from optic satellite images. , 0, , .		1
87	SAR investigation over the Baegdu stratovolcanic mountain: preliminary results. , 0, , .		1
88	Estimation of the sedimentation budget in tidal flat using remotely sensed data. , 0, , .		0
89	Application of differential SAR interferometry over the Baegdu stratovolcanic mountain. , 0, , .		0
90	Wavenumber correlation analysis of Topex/Poseidon and tide-gauge sea surface heights in the East Sea (Japan Sea). , 0, , .		0

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91	Control factors of spectral reflectance in tidal flat: a case study in the Gomso Bay, Korea. , 0, , .		1
92	Tidal flat DEM generation by satellite remote sensing. , 0, , .		4
93	DInSAR measurements of reclaimed costal land. , 0, , .		1
94	Measurement of sea level by L-band SAR. , 0, , .		1
95	Characteristics of permanent scatterer in coastal area. , 0, , .		0
96	Application of ERS SAR to the study of korean tidal flats. , 0, , .		0
97	Spaceborne radar interferometry for coastal DEM construction. , 0, , .		0
98	Application of KOMPSAT-2 to the detection of microphytobenthos in tidal flats. , 0, , .		0
99	Surface deformation in Mokpo area observed with synthetic aperture radar interferometry. , 0, , .		0