

# Jalal Amini

## List of Publications by Year in descending order

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28  
papers

568  
citations

759233

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h-index

794594

19  
g-index

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28  
docs citations

28  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergetic Use of Sentinel-1 and Sentinel-2 Data for Soil Moisture Mapping at Plot Scale. Remote Sensing, 2018, 10, 1285.	4.0	77
2	A Fault-Diagnosis and Fault-Tolerant Control Scheme for Flying Capacitor Multilevel Inverters. IEEE Transactions on Industrial Electronics, 2017, 64, 1818-1826.	7.9	70
3	Integrating fuzzy object based image analysis and ant colony optimization for road extraction from remotely sensed images. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 138, 151-163.	11.1	56
4	An Effortless Space-Vector-Based Modulation for $n$ -level Flying Capacitor Multilevel Inverter With Capacitor Voltage Balancing Capability. IEEE Transactions on Power Electronics, 2014, 29, 6188-6195.	7.9	49
5	Estimation of Forest Biomass Using Multivariate Relevance Vector Regression. Photogrammetric Engineering and Remote Sensing, 2016, 82, 41-49.	0.6	49
6	Road Network Extraction from VHR Satellite Images Using Context Aware Object Feature Integration and Tensor Voting. Remote Sensing, 2016, 8, 637.	4.0	39
7	Employing a Method on SAR and Optical Images for Forest Biomass Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 4020-4026.	6.3	38
8	Speckle Reduction of PolSAR Images in Forest Regions Using Fast ICA Algorithm. Journal of the Indian Society of Remote Sensing, 2015, 43, 339-346.	2.4	38
9	Object-based road extraction from satellite images using ant colony optimization. International Journal of Remote Sensing, 2017, 38, 179-198.	2.9	35
10	Fuzzy Logic System for Road Identification Using Ikonos Images. Photogrammetric Record, 2002, 17, 493-503.	0.4	22
11	A model for removal of speckle noise in SAR images (ALOS PALSAR). Canadian Journal of Remote Sensing, 2008, 34, 503-515.	2.4	15
12	Contextual PolSAR image classification using fractal dimension and support vector machines. European Journal of Remote Sensing, 2013, 46, 317-332.	3.5	15
13	Measuring the surface roughness of geological rock surfaces in SAR data using fractal geometry. Comptes Rendus - Geoscience, 2017, 349, 114-125.	1.2	12
14	Road Network Extraction from High-Resolution SAR Imagery Based on the Network Snake Model. Photogrammetric Engineering and Remote Sensing, 2017, 83, 207-215.	0.6	9
15	Towards an object-based multi-scale soil moisture product using coupled Sentinel-1 and Sentinel-2 data. Remote Sensing Letters, 2019, 10, 619-628.	1.4	9
16	Flying capacitor multilevel inverter based shunt active power filter with trifling susceptibility to divisional voltages deregulation. , 2011, , .		7
17	Simulation and Evaluation of an mm-Wave MIMO Ground-Based SAR Imaging System for Displacement Monitoring. , 2021, , .		7
18	Better Estimated IEM Input Parameters Using Random Fractal Geometry Applied on Multi-Frequency SAR Data. Remote Sensing, 2017, 9, 445.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Road Extraction from Satellite Images using a Fuzzy-Snake Model. Cartographic Journal, 2009, 46, 164-172.	1.5	5
20	SAR and Optical Images for Forest Biomass Estimation. , 0, , .		4
21	A capacitor voltage balancing method for cascaded H-bridge multilevel inverters with application to FACTS. , 2016, , .		3
22	Fault depth estimation using support vector classifier and features selection. Applied Geophysics, 2013, 10, 88-96.	0.6	1
23	DC Link Capacitor Voltage Balancing Method for Diode-Clamped Multilevel Converters. , 2019, , .		1
24	Improved discrimination of geological units via geomorphological classification of synthetic aperture radar images. Journal of Applied Remote Sensing, 2018, 12, 1.	1.3	1
25	Estimating the Shapes of Gravity Sources through Optimized Support Vector Classifier (SVC). Acta Geophysica, 2015, 63, 1000-1024.	2.0	0
26	Discrimination of Geological Top-Formations by their Morphology through SAR Images and via Fractal Geometry implementation in IEM Backscattering Model(Case Study: Zagros Thrust Belt). Journal of Geospatial Information Technology, 2019, 7, 137-157.	0.2	0
27	Logicâ€based spaceâ€vector modulation for neutralâ€pointâ€clamped multilevel inverter with DCâ€link voltage balancing capability. IET Power Electronics, 2020, 13, 4462-4470.	2.1	0
28	Common-Mode Voltages Reduction Space Vector Modulation for Active Neutral-Point-Clamped converter. , 2021, , .		0