Mosbeh R Kaloop

List of Publications by Year
in descending order

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77 papers	1,227 citations	448610 19 h-index	536525 29 g-index
78 all docs	78 docs citations	78 times ranked	1041 citing authors

#	Article	IF	Citations
1	Particle Swarm Optimization Algorithm-Extreme Learning Machine (PSO-ELM) Model for Predicting Resilient Modulus of Stabilized Aggregate Bases. Applied Sciences (Switzerland), 2019, 9, 3221.	1.3	60
2	A wavelet - Particle swarm optimization - Extreme learning machine hybrid modeling for significant wave height prediction. Ocean Engineering, 2020, 213, 107777.	1.9	47
3	Talkha steel highway bridge monitoring and movement identification using RTK-GPS technique. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4282-4292.	2.5	46
4	Recent Advances of Structures Monitoring and Evaluation Using GPS-Time Series Monitoring Systems: A Review. ISPRS International Journal of Geo-Information, 2017, 6, 382.	1.4	45
5	Novel application of adaptive swarm intelligence techniques coupled with adaptive network-based fuzzy inference system in predicting photovoltaic power. Renewable and Sustainable Energy Reviews, 2021, 148, 111315.	8.2	42
6	Monitoring of bridge deformation using GPS technique. KSCE Journal of Civil Engineering, 2009, 13, 423-431.	0.9	39
7	Multi inputâ€“single output models identification of tower bridge movements using GPS monitoring system. Measurement: Journal of the International Measurement Confederation, 2014, 47, 531-539.	2.5	38
8	Stayed-Cable Bridge Damage Detection and Localization Based on Accelerometer Health Monitoring Measurements. Shock and Vibration, 2015, 2015, 1-11.	0.3	37
9	Simulation of land use dynamics and impact on land surface temperature using satellite data. Geo Journal, 2021, 86, 1089-1107.	1.7	36
10	Sensitivity and analysis GPS signals based bridge damage using GPS observations and wavelet transform. Measurement: Journal of the International Measurement Confederation, 2011, 44, 927-937.	2.5	35
11	Reliability Analysis of Pile Foundation Using Soft Computing Techniques: A Comparative Study. Processes, 2021, 9, 486.	1.3	34
12	Study for Predicting Land Surface Temperature (LST) Using Landsat Data: A Comparison of Four Algorithms. Advances in Civil Engineering, 2020, 2020, 1-16.	0.4	33
13	GPS-structural health monitoring of a long span bridge using neural network adaptive filter. Survey Review, 2014, 46, 7-14.	0.7	31
14	Time-series analysis of GPS measurements for long-span bridge movements using wavelet and model prediction techniques. Advances in Space Research, 2019, 63, 3505-3521.	1.2	30
15	An Approach Based on Landsat Images for Shoreline Monitoring to Support Integrated Coastal Managementâ€”A Case Study, Ezbet Elborg, Nile Delta, Egypt. ISPRS International Journal of Geo-Information, 2020, 9, 199.	1.4	27
16	Predicting resilient modulus of recycled concrete and clay masonry blends for pavement applications using soft computing techniques. Frontiers of Structural and Civil Engineering, 2019, 13, 1379-1392.	1.2	25
17	A hybrid wavelet-optimally-pruned extreme learning machine model for the estimation of international roughness index of rigid pavements. International Journal of Pavement Engineering, 2022, 23, 862-876.	2.2	23
18	Identification of the Response of a Controlled Building Structure Subjected to Seismic Load by Using Nonlinear System Models. Applied Sciences (Switzerland), 2016, 6, 301.	1.3	22

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19	De-noising of GPS structural monitoring observation error using wavelet analysis. Geomatics, Natural Hazards and Risk, 2016, 7, 804-825.	2.0	22
20	Bridge safety monitoring based-GPS technique: case study Zhujiang Huangpu Bridge. Smart Structures and Systems, 2012, 9, 473-487.	1.9	22
21	Adjustment and Assessment of the Measurements of Low and High Sampling Frequencies of GPS Real-Time Monitoring of Structural Movement. ISPRS International Journal of Geo-Information, 2016, 5, 222.	1.4	20
22	Data-Driven Approach for Rainfall-Runoff Modelling Using Equilibrium Optimizer Coupled Extreme Learning Machine and Deep Neural Network. Applied Sciences (Switzerland), 2021, 11, 6238.	1.3	20
23	Damage Identification and Performance Assessment of Regular and Irregular Buildings Using Wavelet Transform Energy. Advances in Materials Science and Engineering, 2016, 2016, 1-11.	1.0	19
24	Analysis of the dynamic behavior of structures using the high-rate GNSS-PPP method combined with a wavelet-neural model: Numerical simulation and experimental tests. Advances in Space Research, 2018, 61, 1512-1524.	1.2	19
25	Using advanced soft computing techniques for regional shoreline geoid model estimation and evaluation. Marine Georesources and Geotechnology, 2018, 36, 688-697.	1.2	17
26	Hybrid ELM and MARS-Based Prediction Model for Bearing Capacity of Shallow Foundation. Processes, 2022, 10, 1013.	1.3	17
27	Evaluation of High-Speed Railway Bridges Based on a Nondestructive Monitoring System. Applied Sciences (Switzerland), 2016, 6, 24.	1.3	16
28	Assessment of acceleration responses of a railway bridge using wavelet analysis. KSCE Journal of Civil Engineering, 2017, 21, 1844-1853.	0.9	16
29	A Recurrent-Cascade-Neural network- nonlinear autoregressive networks with exogenous inputs (NARX) approach for long-term time-series prediction of wave height based on wave characteristics measurements. Ocean Engineering, 2021, 240, 109958.	1.9	16
30	Safety and reliability evaluations of bridge behaviors under ambient truck loads through structural health monitoring and identification model approaches. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110234.	2.5	16
31	The use of minimum curvature surface technique in geoid computation processing of Egypt. Arabian Journal of Geosciences, 2013, 6, 1263-1272.	0.6	15
32	Dynamic Performance Analysis of the Towers of a Long-Span Bridge Based on GPS Monitoring Technique. Journal of Sensors, 2016, 2016, 1-14.	0.6	15
33	A novel three-direction datum transformation of geodetic coordinates for Egypt using artificial neural network approach. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	15
34	A Study for Improving Compressive Strength of Cementitious Mortar Utilizing Magnetic Water. Materials, 2020, 13, 1971.	1.3	15
35	Real-time prediction of water level change using adaptive neuro-fuzzy inference system. Geomatics, Natural Hazards and Risk, 2017, 8, 1320-1332.	2.0	14
36	Optimizing Local Geoid Undulation Model using GPS/Levelling Measurements and Heuristic Regression Approaches. Survey Review, 2020, 52, 544-554.	0.7	14

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37	Movement identification model of port container crane based on structural health monitoring system. Structural Engineering and Mechanics, 2014, 50, 105-119.	1.0	14
38	Soft computing approaches towards tensile strength estimation of GFRP rebars subjected to alkaline-concrete environment. Case Studies in Construction Materials, 2022, 16, e00955.	0.8	14
39	GPS Performance Assessment of Cable-Stayed Bridge using Wavelet Transform and Monte-Carlo Techniques. KSCE Journal of Civil Engineering, 2018, 22, 4385-4398.	0.9	13
40	Estimating Slump Flow and Compressive Strength of Self-Compacting Concrete Using Emotional Neural Networks. Applied Sciences (Switzerland), 2020, 10, 8543.	1.3	13
41	Optimizing the De-Noise Neural Network Model for GPS Time-Series Monitoring of Structures. Sensors, 2015, 15, 24428-24444.	2.1	12
42	Structural Performance Assessment Based on Statistical and Wavelet Analysis of Acceleration Measurements of a Building during an Earthquake. Shock and Vibration, 2016, 2016, 1-13.	0.3	11
43	Hybrid Wavelet and Principal Component Analyses Approach for Extracting Dynamic Motion Characteristics from Displacement Series Derived from Multipath-Affected High-Rate GNSS Observations. Remote Sensing, 2020, 12, 79.	1.8	11
44	Bridge Monitoring with Wavelet Principal Component and Spectrum Analysis Based on GPS Measurements: Case Study of the Mansoura Bridge in Egypt. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	10
45	Hybrid Artificial Neural Networks for Modeling Shallow-Water Bathymetry via Satellite Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	10
46	Tower Bridge Movement Analysis with GPS and Accelerometer Techniques: Case Study Yonghe Tower Bridge. Information Technology Journal, 2009, 8, 1213-1220.	0.3	10
47	Shear Strength Estimation of Reinforced Concrete Deep Beams Using a Novel Hybrid Metaheuristic Optimized SVR Models. Sustainability, 2022, 14, 5238.	1.6	10
48	Service-Life Evaluation of Existing Bridges Subjected to Static and Moving Trucks Using Structural Health Monitoring System: Case Study. KSCE Journal of Civil Engineering, 2020, 24, 1593-1606.	0.9	9
49	Assessment and prediction of land-use/land-cover change around Blue Nile and White Nile due to flood hazards in Khartoum, Sudan, based on geospatial analysis. Geomatics, Natural Hazards and Risk, 2021, 12, 1258-1286.	2.0	9
50	Bridge Performance Assessment Based on an Adaptive Neuro-Fuzzy Inference System with Wavelet Filter for the GPS Measurements. ISPRS International Journal of Geo-Information, 2015, 4, 2339-2361.	1.4	8
51	Single input-single output identification thermal response model of bridge using nonlinear ARX with wavelet networks. Journal of Mechanical Science and Technology, 2015, 29, 2817-2826.	0.7	8
52	Time and frequency domains response analyses of April 2015 Greeceâ€™s earthquake in the Nile Delta based on GNSS-PPP. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	8
53	Improving Precise Point Positioning Convergence Time through TEQC Multipath Linear Combination. Journal of Surveying Engineering, - ASCE, 2018, 144, .	1.0	7
54	A novel approach for resilient modulus prediction using extreme learning machine-equilibrium optimiser techniques. International Journal of Pavement Engineering, 0, , 1-11.	2.2	7

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55	Sea Level Change Analysis and Models Identification Based on Short Tidal Gauge Measurements in Alexandria, Egypt. Marine Geodesy, 2016, 39, 1-20.	0.9	6
56	Predicting lake wave height based on regression classification and multi inputâ€“single output soft computing models. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	6
57	Improving accuracy of local geoid model using machine learning approaches and residuals of GPS/levelling geoid height. Survey Review, 2022, 54, 505-518.	0.7	6
58	Environmental effects and output-only model identification of continuous bridge response. KSCE Journal of Civil Engineering, 2015, 19, 2198-2207.	0.9	5
59	Time-Series and Frequency-Spectrum Correlation Analysis of Bridge Performance Based on a Real-Time Strain Monitoring System. ISPRS International Journal of Geo-Information, 2016, 5, 61.	1.4	5
60	Yonjung High-Speed Railway Bridge Assessment Using Output-Only Structural Health Monitoring Measurements under Train Speed Changing. Journal of Sensors, 2016, 2016, 1-15.	0.6	5
61	Seismic Response Prediction of Buildings with Base Isolation Using Advanced Soft Computing Approaches. Advances in Materials Science and Engineering, 2017, 2017, 1-12.	1.0	5
62	Evaluation of the high-rate GNSS-PPP method for vertical structural motion. Survey Review, 2020, 52, 159-171.	0.7	5
63	Evaluation of multi-GNSS high-rate relative positioning for monitoring dynamic structural movements in the urban environment. Geomatics, Natural Hazards and Risk, 2020, 11, 2239-2262.	2.0	5
64	Estimating the Dynamic Behavior of Highway Steel Plate Girder Bridges Using Real-Time Strain Measurements. Applied Sciences (Switzerland), 2020, 10, 4215.	1.3	5
65	Structural Health Monitoring and Assessment: Sensors and Analysis. Journal of Sensors, 2018, 2018, 1-2.	0.6	4
66	Pile-Raft Settlements Prediction under Coupled Static-Dynamic Loads Using Four Heuristic Regression Approaches. Shock and Vibration, 2018, 2018, 1-10.	0.3	4
67	Nonlinear Numerical Assessment of Exterior Beam-Column Connections with Low-Strength Concrete. Buildings, 2021, 11, 562.	1.4	4
68	Performance Assessment Using a Field Test of a Short-Period Monitoring System: Tun Bridge Case Study. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2019, 29, 600-612.	0.5	3
69	Simple geometrical model to analyze the motion detection of bridges based-GPS technique: case study Yonghe Bridge. Structural Engineering and Mechanics, 2010, 36, 129-147.	1.0	3
70	An integrated framework for improving sea level variation prediction based on the integration Wavelet-Artificial Intelligence approaches. Environmental Modelling and Software, 2022, 152, 105399.	1.9	3
71	Nonlinear Numerical and Analytical Assessment of the Shear Strength of RC and SFRC Beams Externally Strengthened with CFRP Sheets. Advances in Civil Engineering, 2022, 2022, 1-17.	0.4	3
72	Shear Strength of Nano Silica High-Strength Reinforced Concrete Beams. Materials, 2022, 15, 3755.	1.3	3

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73	Study of the variance ratio effect to improve conventional Kalman filter applications in vehicle navigation system. KSCE Journal of Civil Engineering, 2017, 21, 408-417.	0.9	1
74	The Performance of Structure-Controller Coupled Systems Analysis Using Probabilistic Evaluation and Identification Model Approach. Shock and Vibration, 2017, 2017, 1-11.	0.3	1
75	Predicting the Pullout Capacity of Small Ground Anchors Using Nonlinear Integrated Computing Techniques. Shock and Vibration, 2017, 2017, 1-10.	0.3	1
76	Prestressed Continuous Bridge Evaluation using Structural Health Monitoring System. IOP Conference Series: Materials Science and Engineering, 2019, 473, 012048.	0.3	1
77	Chart Datum-to-Ellipsoid Separation Model Development for Obhur Creek Using Multibeam Hydrographic Surveying. Journal of Marine Science and Engineering, 2022, 10, 264.	1.2	1