

# Mosbeh R Kaloop

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77  
papers

716  
citations

15  
h-index

22  
g-index

78  
ext. papers

986  
ext. citations

2.6  
avg, IF

4.93  
L-index

#	Paper	IF	Citations
77	Safety and reliability evaluations of bridge behaviors under ambient truck loads through structural health monitoring and identification model approaches. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2022</b> , 187, 110234	4.6	0
76	Chart Datum-to-Ellipsoid Separation Model Development for Obhur Creek Using Multibeam Hydrographic Surveying. <i>Journal of Marine Science and Engineering</i> , <b>2022</b> , 10, 264	2.4	0
75	Soft computing approaches towards tensile strength estimation of GFRP rebars subjected to alkaline-concrete environment. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00955	2.7	5
74	An integrated framework for improving sea level variation prediction based on the integration Wavelet-Artificial Intelligence approaches. <i>Environmental Modelling and Software</i> , <b>2022</b> , 152, 105399	5.2	
73	Shear Strength Estimation of Reinforced Concrete Deep Beams Using a Novel Hybrid Metaheuristic Optimized SVR Models. <i>Sustainability</i> , <b>2022</b> , 14, 5238	3.6	1
72	Nonlinear Numerical and Analytical Assessment of the Shear Strength of RC and SFRC Beams Externally Strengthened with CFRP Sheets. <i>Advances in Civil Engineering</i> , <b>2022</b> , 2022, 1-17	1.3	0
71	Shear Strength of Nano Silica High-Strength Reinforced Concrete Beams. <i>Materials</i> , <b>2022</b> , 15, 3755	3.5	0
70	Hybrid ELM and MARS-Based Prediction Model for Bearing Capacity of Shallow Foundation. <i>Processes</i> , <b>2022</b> , 10, 1013	2.9	0
69	Nonlinear Numerical Assessment of Exterior Beam-Column Connections with Low-Strength Concrete. <i>Buildings</i> , <b>2021</b> , 11, 562	3.2	1
68	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. <i>Ocean Engineering</i> , <b>2021</b> , 240, 109958	3.9	2
67	Reliability Analysis of Pile Foundation Using Soft Computing Techniques: A Comparative Study. <i>Processes</i> , <b>2021</b> , 9, 486	2.9	17
66	Data-Driven Approach for Rainfall-Runoff Modelling Using Equilibrium Optimizer Coupled Extreme Learning Machine and Deep Neural Network. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6238	2.6	5
65	Simulation of land use dynamics and impact on land surface temperature using satellite data. <i>Geo Journal</i> , <b>2021</b> , 86, 1089-1107	2.2	15
64	Hybrid Artificial Neural Networks for Modeling Shallow-Water Bathymetry via Satellite Imagery. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-11	8.1	0
63	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. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 1258-1286	3.6	2
62	Novel application of adaptive swarm intelligence techniques coupled with adaptive network-based fuzzy inference system in predicting photovoltaic power. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 148, 111315	16.2	19
61	A hybrid wavelet-optimally-pruned extreme learning machine model for the estimation of international roughness index of rigid pavements. <i>International Journal of Pavement Engineering</i> , <b>2020</b> , 1-15	2.6	10

60	Estimating the Dynamic Behavior of Highway Steel Plate Girder Bridges Using Real-Time Strain Measurements. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4215	2.6	2
59	An Approach Based on Landsat Images for Shoreline Monitoring to Support Integrated Coastal Management: A Case Study, Ezbet Elborg, Nile Delta, Egypt. <i>ISPRS International Journal of Geo-Information</i> , <b>2020</b> , 9, 199	2.9	14
58	A Study for Improving Compressive Strength of Cementitious Mortar Utilizing Magnetic Water. <i>Materials</i> , <b>2020</b> , 13,	3.5	3
57	Study for Predicting Land Surface Temperature (LST) Using Landsat Data: A Comparison of Four Algorithms. <i>Advances in Civil Engineering</i> , <b>2020</b> , 2020, 1-16	1.3	15
56	Service-Life Evaluation of Existing Bridges Subjected to Static and Moving Trucks Using Structural Health Monitoring System: Case Study. <i>KSCE Journal of Civil Engineering</i> , <b>2020</b> , 24, 1593-1606	1.9	7
55	Hybrid Wavelet and Principal Component Analyses Approach for Extracting Dynamic Motion Characteristics from Displacement Series Derived from Multipath-Affected High-Rate GNSS Observations. <i>Remote Sensing</i> , <b>2020</b> , 12, 79	5	7
54	A wavelet - Particle swarm optimization - Extreme learning machine hybrid modeling for significant wave height prediction. <i>Ocean Engineering</i> , <b>2020</b> , 213, 107777	3.9	17
53	Predicting lake wave height based on regression classification and multi input-single output soft computing models. <i>Arabian Journal of Geosciences</i> , <b>2020</b> , 13, 1	1.8	3
52	Evaluation of multi-GNSS high-rate relative positioning for monitoring dynamic structural movements in the urban environment. <i>Geomatics, Natural Hazards and Risk</i> , <b>2020</b> , 11, 2239-2262	3.6	2
51	Estimating Slump Flow and Compressive Strength of Self-Compacting Concrete Using Emotional Neural Networks. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8543	2.6	5
50	Evaluation of the high-rate GNSS-PPP method for vertical structural motion. <i>Survey Review</i> , <b>2020</b> , 52, 159-171	0.9	1
49	Optimizing Local Geoid Undulation Model using GPS/Levelling Measurements and Heuristic Regression Approaches. <i>Survey Review</i> , <b>2020</b> , 52, 544-554	0.9	6
48	Predicting resilient modulus of recycled concrete and clay masonry blends for pavement applications using soft computing techniques. <i>Frontiers of Structural and Civil Engineering</i> , <b>2019</b> , 13, 1379-1392	2.5	8
47	Prestressed Continuous Bridge Evaluation using Structural Health Monitoring System. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 473, 012048	0.4	1
46	Time-series analysis of GPS measurements for long-span bridge movements using wavelet and model prediction techniques. <i>Advances in Space Research</i> , <b>2019</b> , 63, 3505-3521	2.4	19
45	Particle Swarm Optimization Algorithm-Extreme Learning Machine (PSO-ELM) Model for Predicting Resilient Modulus of Stabilized Aggregate Bases. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3221	2.6	35
44	Performance Assessment Using a Field Test of a Short-Period Monitoring System: Tun Bridge Case Study. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , <b>2019</b> , 29, 600-612	1	2
43	A novel three-direction datum transformation of geodetic coordinates for Egypt using artificial neural network approach. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	9

42	Improving Precise Point Positioning Convergence Time through TEQC Multipath Linear Combination. <i>Journal of Surveying Engineering, - ASCE, 2018</i> , 144, 04018002	1.3	5
41	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. <i>Advances in Space Research, 2018</i> , 61, 1512-1524	2.4	14
40	Using advanced soft computing techniques for regional shoreline geoid model estimation and evaluation. <i>Marine Georesources and Geotechnology, 2018</i> , 36, 688-697	2.2	9
39	Pile-Raft Settlements Prediction under Coupled Static-Dynamic Loads Using Four Heuristic Regression Approaches. <i>Shock and Vibration, 2018</i> , 2018, 1-10	1.1	3
38	GPS Performance Assessment of Cable-Stayed Bridge using Wavelet Transform and Monte-Carlo Techniques. <i>KSCE Journal of Civil Engineering, 2018</i> , 22, 4385-4398	1.9	7
37	Structural Health Monitoring and Assessment: Sensors and Analysis. <i>Journal of Sensors, 2018</i> , 2018, 1-2	2	2
36	Study of the variance ratio effect to improve conventional Kalman filter applications in vehicle navigation system. <i>KSCE Journal of Civil Engineering, 2017</i> , 21, 408-417	1.9	
35	Real-time prediction of water level change using adaptive neuro-fuzzy inference system. <i>Geomatics, Natural Hazards and Risk, 2017</i> , 8, 1320-1332	3.6	12
34	The Performance of Structure-Controller Coupled Systems Analysis Using Probabilistic Evaluation and Identification Model Approach. <i>Shock and Vibration, 2017</i> , 2017, 1-11	1.1	1
33	Seismic Response Prediction of Buildings with Base Isolation Using Advanced Soft Computing Approaches. <i>Advances in Materials Science and Engineering, 2017</i> , 2017, 1-12	1.5	3
32	Predicting the Pullout Capacity of Small Ground Anchors Using Nonlinear Integrated Computing Techniques. <i>Shock and Vibration, 2017</i> , 2017, 1-10	1.1	1
31	Recent Advances of Structures Monitoring and Evaluation Using GPS-Time Series Monitoring Systems: A Review. <i>ISPRS International Journal of Geo-Information, 2017</i> , 6, 382	2.9	31
30	Assessment of acceleration responses of a railway bridge using wavelet analysis. <i>KSCE Journal of Civil Engineering, 2017</i> , 21, 1844-1853	1.9	14
29	Sea Level Change Analysis and Models Identification Based on Short Tidal Gauge Measurements in Alexandria, Egypt. <i>Marine Geodesy, 2016</i> , 39, 1-20	1.2	6
28	De-noising of GPS structural monitoring observation error using wavelet analysis. <i>Geomatics, Natural Hazards and Risk, 2016</i> , 7, 804-825	3.6	18
27	Time-Series and Frequency-Spectrum Correlation Analysis of Bridge Performance Based on a Real-Time Strain Monitoring System. <i>ISPRS International Journal of Geo-Information, 2016</i> , 5, 61	2.9	4
26	Yonjung High-Speed Railway Bridge Assessment Using Output-Only Structural Health Monitoring Measurements under Train Speed Changing. <i>Journal of Sensors, 2016</i> , 2016, 1-15	2	5
25	Damage Identification and Performance Assessment of Regular and Irregular Buildings Using Wavelet Transform Energy. <i>Advances in Materials Science and Engineering, 2016</i> , 2016, 1-11	1.5	10

24	Structural Performance Assessment Based on Statistical and Wavelet Analysis of Acceleration Measurements of a Building during an Earthquake. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-13	1.1	10
23	Dynamic Performance Analysis of the Towers of a Long-Span Bridge Based on GPS Monitoring Technique. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-14	2	11
22	Evaluation of High-Speed Railway Bridges Based on a Nondestructive Monitoring System. <i>Applied Sciences (Switzerland)</i> , <b>2016</b> , 6, 24	2.6	12
21	Identification of the Response of a Controlled Building Structure Subjected to Seismic Load by Using Nonlinear System Models. <i>Applied Sciences (Switzerland)</i> , <b>2016</b> , 6, 301	2.6	12
20	Adjustment and Assessment of the Measurements of Low and High Sampling Frequencies of GPS Real-Time Monitoring of Structural Movement. <i>ISPRS International Journal of Geo-Information</i> , <b>2016</b> , 5, 222	2.9	15
19	Time and frequency domains response analyses of April 2015 Greece earthquake in the Nile Delta based on GNSS-PPP. <i>Arabian Journal of Geosciences</i> , <b>2016</b> , 9, 1	1.8	5
18	Single input-single output identification thermal response model of bridge using nonlinear ARX with wavelet networks. <i>Journal of Mechanical Science and Technology</i> , <b>2015</b> , 29, 2817-2826	1.6	5
17	Environmental effects and output-only model identification of continuous bridge response. <i>KSCE Journal of Civil Engineering</i> , <b>2015</b> , 19, 2198-2207	1.9	3
16	Bridge Monitoring with Wavelet Principal Component and Spectrum Analysis Based on GPS Measurements: Case Study of the Mansoura Bridge in Egypt. <i>Journal of Performance of Constructed Facilities</i> , <b>2015</b> , 29, 04014071	2	7
15	Bridge Performance Assessment Based on an Adaptive Neuro-Fuzzy Inference System with Wavelet Filter for the GPS Measurements. <i>ISPRS International Journal of Geo-Information</i> , <b>2015</b> , 4, 2339-2361	2.9	7
14	Optimizing the De-Noise Neural Network Model for GPS Time-Series Monitoring of Structures. <i>Sensors</i> , <b>2015</b> , 15, 24428-44	3.8	11
13	Stayed-Cable Bridge Damage Detection and Localization Based on Accelerometer Health Monitoring Measurements. <i>Shock and Vibration</i> , <b>2015</b> , 2015, 1-11	1.1	31
12	Multi input-single output models identification of tower bridge movements using GPS monitoring system. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 47, 531-539	4.6	32
11	GPS-structural health monitoring of a long span bridge using neural network adaptive filter. <i>Survey Review</i> , <b>2014</b> , 46, 7-14	0.9	25
10	Movement identification model of port container crane based on structural health monitoring system. <i>Structural Engineering and Mechanics</i> , <b>2014</b> , 50, 105-119		12
9	The use of minimum curvature surface technique in geoid computation processing of Egypt. <i>Arabian Journal of Geosciences</i> , <b>2013</b> , 6, 1263-1272	1.8	12
8	Talkha steel highway bridge monitoring and movement identification using RTK-GPS technique. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 4282-4292	4.6	37
7	Bridge safety monitoring based-GPS technique: case study Zhujiang Huangpu Bridge. <i>Smart Structures and Systems</i> , <b>2012</b> , 9, 473-487		21

6	Sensitivity and analysis GPS signals based bridge damage using GPS observations and wavelet transform. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2011</b> , 44, 927-937	4.6	32
5	Simple geometrical model to analyze the motion detection of bridges based-GPS technique: case study Yonghe Bridge. <i>Structural Engineering and Mechanics</i> , <b>2010</b> , 36, 129-147		2
4	Monitoring of bridge deformation using GPS technique. <i>KSCE Journal of Civil Engineering</i> , <b>2009</b> , 13, 423-431		25
3	Tower Bridge Movement Analysis with GPS and Accelerometer Techniques: Case Study Yonghe Tower Bridge. <i>Information Technology Journal</i> , <b>2009</b> , 8, 1213-1220	0.7	7
2	A novel approach for resilient modulus prediction using extreme learning machine-equilibrium optimiser techniques. <i>International Journal of Pavement Engineering</i> , 1-11	2.6	2
1	Improving accuracy of local geoid model using machine learning approaches and residuals of GPS/levelling geoid height. <i>Survey Review</i> , 1-14	0.9	2