

Zainah Ibrahim

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

2,793
citations

201674

27
h-index

197818

49
g-index

109
all docs

109
docs citations

109
times ranked

2109
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Pounding mitigation of a short-span cable-stayed bridge using a new hybrid passive control system. <i>Engineering Analysis With Boundary Elements</i> , 2022, 134, 625-636. | 3.7 | 8 |
| 2 | Impacts of polyvinyl alcohol and basalt fibres on green fly ash cenosphere lightweight cementitious composite. <i>Materials Today: Proceedings</i> , 2022, 61, 512-516. | 1.8 | 2 |
| 3 | Effect of basalt and polypropylene fibers on crumb rubber mortar with Portland cement and calcium aluminate cement binders: Strength and artificial neural network prediction model. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2022, 38, 99-124. | 1.8 | 3 |
| 4 | Operational modal analysis and finite element model updating of ultra-high-performance concrete bridge based on ambient vibration test. <i>Case Studies in Construction Materials</i> , 2022, 16, e01117. | 1.7 | 5 |
| 5 | Experimental Study of a New Bar Damper Device for Vibration Control of Structures Subjected to Earthquake Loads. <i>Journal of Earthquake Engineering</i> , 2021, 25, 300-318. | 2.5 | 23 |
| 6 | Simulation-based non-linear vibration model for damage detection in RC beams. <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 1379-1404. | 2.1 | 8 |
| 7 | The effects of cross-sectional shapes on the axial performance of concrete-filled steel tube columns. <i>Journal of Constructional Steel Research</i> , 2021, 176, 106424. | 3.9 | 36 |
| 8 | Performance of sustainable sand concrete at ambient and elevated temperature. <i>Construction and Building Materials</i> , 2021, 280, 122404. | 7.2 | 17 |
| 9 | Corrosion Assessment of Pre-corrosion Concrete Specimens using Acoustic Emission Technique. <i>Journal of Engineering and Technological Sciences</i> , 2021, 53, 210111. | 0.6 | 8 |
| 10 | pH Measurement of Cement-Based Materials: The Effect of Particle Size. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8000. | 2.5 | 12 |
| 11 | Development of Crack Width Prediction Models for RC Beam-Column Joint Subjected to Lateral Cyclic Loading Using Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7700. | 2.5 | 4 |
| 12 | Performance of a Ductile Hybrid Post-Tensioned Beam-to-Column Connection for Precast Concrete Frames under Seismic Loads: A Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7497. | 2.5 | 4 |
| 13 | Numerical analysis of square concrete-filled double skin steel tubular columns with rubberized concrete. <i>Structures</i> , 2021, 32, 1026-1047. | 3.6 | 26 |
| 14 | Crack assessment of RC beam-column joints subjected to cyclic lateral loading using acoustic emission (AE): the influence of shear links aspect. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 1274-1286. | 1.3 | 2 |
| 15 | Incorporation of crumb rubber and air-entraining agent in ultra-lightweight cementitious composite: Evaluation of mechanical and acoustic properties. <i>Journal of Building Engineering</i> , 2021, 42, 103034. | 3.4 | 5 |
| 16 | Stability and permeability characteristics of porous asphalt pavement: An experimental case study. <i>Case Studies in Construction Materials</i> , 2021, 15, e00591. | 1.7 | 8 |
| 17 | Recent Progress in the Application of Coconut and Palm Oil Fibres in Cement-Based Materials. <i>Sustainability</i> , 2021, 13, 12865. | 3.2 | 2 |
| 18 | Comparative Study of Lightweight Cementitious Composite Reinforced with Different Fibre Types and the Effect of Silane-Based Admixture. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10. | 0.7 | 122 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | State-of-the-Art Review of Metallic Dampers: Testing, Development and Implementation. Archives of Computational Methods in Engineering, 2020, 27, 455-478. | 10.2 | 98 |
| 20 | Parametric study for concrete cover separation failure of retrofitted SNSM strengthened RC beams. Mechanics of Advanced Materials and Structures, 2020, 27, 481-492. | 2.6 | 3 |
| 21 | Experimental Study on the Seismic Response of Longhouses Using Scale Models. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2020, 30, 86-93. | 0.8 | 0 |
| 22 | Data mining-based damage identification of a slab-on-girder bridge using inverse analysis. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107175. | 5.0 | 21 |
| 23 | Analysis and review of concrete-filled double skin steel tubes under compression. Thin-Walled Structures, 2020, 148, 106495. | 5.3 | 73 |
| 24 | An Experimental and Numerical Study on the Flexural Performance of Over-Reinforced Concrete Beam Strengthening with Bolted-Compression Steel Plates: Part II. Applied Sciences (Switzerland), 2020, 10, 94. | 2.5 | 6 |
| 25 | The pH of Cement-based Materials: A Review. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 908-924. | 1.0 | 35 |
| 26 | Effect of bonding materials on the flexural improvement in RC beams strengthened with SNSM technique using GFRP bars. Journal of Building Engineering, 2020, 32, 101777. | 3.4 | 5 |
| 27 | Critical success factors for BIM implementation: a Malaysian case study. Engineering, Construction and Architectural Management, 2020, 27, 2737-2765. | 3.1 | 29 |
| 28 | Behaviour of semi-rigid precast beam-to-column connection determined using static and reversible load tests. Measurement: Journal of the International Measurement Confederation, 2020, 164, 108007. | 5.0 | 14 |
| 29 | Nonlinear analysis of square concrete-filled double-skin steel tubular columns under axial compression. Engineering Structures, 2020, 216, 110678. | 5.3 | 37 |
| 30 | Development of a new hexagonal honeycomb steel damper. Archives of Civil and Mechanical Engineering, 2020, 20, 1. | 3.8 | 10 |
| 31 | Serviceability assessment of fatigued reinforced concrete structures using a dynamic response technique. Journal of Materials Research and Technology, 2020, 9, 4450-4458. | 5.8 | 5 |
| 32 | Experimental Study on the Flexural Behavior of over Reinforced Concrete Beams Bolted with Compression Steel Plate: Part I. Applied Sciences (Switzerland), 2020, 10, 822. | 2.5 | 9 |
| 33 | Mechanical properties and drying shrinkage of lightweight cementitious composite incorporating perlite microspheres and polypropylene fibers. Construction and Building Materials, 2020, 246, 118410. | 7.2 | 36 |
| 34 | A Case Study on Structural Failure of Reinforced Concrete Beam-Column Joint After the First Significant Earthquake Impact in Malaysia. International Journal of Integrated Engineering, 2020, 12, . | 0.4 | 6 |
| 35 | Crossover Effect in Cement-Based Materials: A Review. Applied Sciences (Switzerland), 2019, 9, 2776. | 2.5 | 14 |
| 36 | Characterizing the Cyclic Behavior of Stiffened SPSWs. KSCE Journal of Civil Engineering, 2019, 23, 1691-1706. | 1.9 | 3 |

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|----|--|-----|-----------|
| 37 | Concrete cover separation of reinforced concrete beams strengthened with near-surface mounted method: Mechanics based design approach. <i>Advances in Structural Engineering</i> , 2019, 22, 1739-1754. | 2.4 | 0 |
| 38 | Seismic characteristics of X-cable braced frames bundled with a pre-compressed spring. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 116, 732-746. | 3.8 | 14 |
| 39 | Effect of High-cyclic Loads on Dynamic Response of Reinforced Concrete Slabs. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 1293-1301. | 1.9 | 9 |
| 40 | Numerical investigation of flow around cylinder at Reynolds number $Re=3900$ with large eddy simulation technique: Effect of spanwise length and mesh resolution. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019, 233, 417-427. | 0.5 | 13 |
| 41 | Numerical investigation of vortex-induced vibration of an elastically mounted circular cylinder with One-degree of freedom at high Reynolds number using different turbulent models. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019, 233, 443-453. | 0.5 | 12 |
| 42 | Heat-treated palm oil fuel ash as an effective supplementary cementitious material originating from agriculture waste. <i>Construction and Building Materials</i> , 2018, 167, 44-54. | 7.2 | 31 |
| 43 | VIV study of an elastically mounted cylinder having low mass-damping ratio using RANS model. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 309-314. | 4.8 | 94 |
| 44 | Flexible Foundation Effect on Seismic Analysis of Roller Compacted Concrete (RCC) Dams Using Finite Element Method. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1275-1287. | 1.9 | 16 |
| 45 | Properties of eco-friendly self-compacting concrete containing modified treated palm oil fuel ash. <i>Construction and Building Materials</i> , 2018, 158, 742-754. | 7.2 | 66 |
| 46 | Development of a new hybrid precast beam-to-column connection. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 431, 112002. | 0.6 | 3 |
| 47 | Numerical Analysis of an Embankment Resting on a Combined Mass Stabilization and Lime Columns in Clayey Soil. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 431, 112011. | 0.6 | 0 |
| 48 | Factors affecting success and difficulty to adopt Building Information Modelling (BIM) among construction firms in Sabah and Sarawak. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 431, 082012. | 0.6 | 1 |
| 49 | Assessment of Rheological and Piezoresistive Properties of Graphene based Cement Composites. <i>International Journal of Concrete Structures and Materials</i> , 2018, 12, . | 3.2 | 44 |
| 50 | Identification of Natural Frequency of Low Rise Building on Soft Ground Profile using Ambient Vibration Method. <i>Journal of Physics: Conference Series</i> , 2018, 995, 012100. | 0.4 | 0 |
| 51 | Influence of Traffic Vehicles Against Ground Fundamental Frequency Prediction using Ambient Vibration Technique. <i>Journal of Physics: Conference Series</i> , 2018, 995, 012101. | 0.4 | 0 |
| 52 | Minimizing the Principle Stresses of Powerhoused Rock-Fill Dams Using Control Turbine Running Units: Application of Finite Element Method. <i>Water (Switzerland)</i> , 2018, 10, 1138. | 2.7 | 6 |
| 53 | Damage assessment of reinforced concrete structures using a model-based nonlinear approach – A comprehensive review. <i>Construction and Building Materials</i> , 2018, 192, 846-865. | 7.2 | 29 |
| 54 | Simulating Intermediate Crack Debonding on RC Beams Strengthened with Hybrid Methods. <i>Latin American Journal of Solids and Structures</i> , 2018, 15, . | 1.0 | 6 |

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|----|---|-----|-----------|
| 55 | Seismic isolation retrofitting solution for an existing steel cable-stayed bridge. PLoS ONE, 2018, 13, e0200482. | 2.5 | 17 |
| 56 | Structural health monitoring on medium rise reinforced concrete building using ambient vibration method. IOP Conference Series: Earth and Environmental Science, 2018, 140, 012152. | 0.3 | 1 |
| 57 | Seismic Response Analysis of Fully Base-Isolated Adjacent Buildings with Segregated Foundations. Advances in Civil Engineering, 2018, 2018, 1-21. | 0.7 | 12 |
| 58 | Influence of Graphene Nanosheets on Rheology, Microstructure, Strength Development and Self-Sensing Properties of Cement Based Composites. Sustainability, 2018, 10, 822. | 3.2 | 49 |
| 59 | Screening method for platform conductor integrity assessment for life extension prioritisation. Marine Structures, 2018, 58, 136-153. | 3.8 | 1 |
| 60 | Cyclic performance of stiffened steel plate shear walls with various configurations of stiffeners. Journal of Vibroengineering, 2018, 20, 459-476. | 1.0 | 12 |
| 61 | Seismic Pounding Mitigation of an Existing Cable-Stayed Bridge Using Metallic Dampers. , 2018, , . | | 3 |
| 62 | Effect of incremental static damage on modal frequencies of reinforced concrete beams. International Journal of Integrated Engineering, 2018, 10, . | 0.4 | 2 |
| 63 | Water Flow Stabilization Using Submerged Weir for Draft Tube Reaction Hydraulic Turbine. Scientia Iranica, 2018, . | 0.4 | 1 |
| 64 | Etched FBG coated with polyimide for simultaneous detection the salinity and temperature. Optics Communications, 2017, 392, 218-222. | 2.1 | 72 |
| 65 | Measurement of platform conductor preload in streamlining the life extensions of ageing offshore wells. Applied Ocean Research, 2017, 65, 12-22. | 4.1 | 5 |
| 66 | Seismic response characteristics of a base isolated cable-stayed bridge under moderate and strong ground motions. Archives of Civil and Mechanical Engineering, 2017, 17, 419-432. | 3.8 | 24 |
| 67 | Monitoring fracture of steel corroded reinforced concrete members under flexure by acoustic emission technique. Construction and Building Materials, 2017, 136, 609-618. | 7.2 | 66 |
| 68 | Tackling the Problem of Ageing Well's Integrity and Rehabilitation in the Arabian Gulf. , 2017, , . | | 1 |
| 69 | Three-Dimensional Seismic Response Analysis for a Rockfill Dam. Journal of Computational and Theoretical Nanoscience, 2017, 14, 6003-6013. | 0.4 | 2 |
| 70 | A Sustainable Graphene Based Cement Composite. Sustainability, 2017, 9, 1229. | 3.2 | 55 |
| 71 | Modeling of a viscoelastic damper and its application in structural control. PLoS ONE, 2017, 12, e0176480. | 2.5 | 25 |
| 72 | Numerical investigations of internal stresses on carbon steel based on ultrasonic LCR waves. Journal of Physics: Conference Series, 2017, 908, 012044. | 0.4 | 7 |

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|----|--|-----|-----------|
| 73 | Quality control of lightweight aggregate concrete based on initial and final water absorption tests. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012022. | 0.6 | 13 |
| 74 | Numerical investigation of the vortex-induced vibration of an elastically mounted circular cylinder at high Reynolds number ($Re = 104$) and low mass ratio using the RANS code. PLoS ONE, 2017, 12, e0185832. | 2.5 | 54 |
| 75 | Invited Review: Recent developments in vibration control of building and bridge structures. Journal of Vibroengineering, 2017, 19, 3564-3580. | 1.0 | 98 |
| 76 | Numerical analysis of vertical pipe damper. , 2017, , . | | 9 |
| 77 | Tapered Polymer Fiber Sensors for Reinforced Concrete Beam Vibration Detection. Sensors, 2016, 16, 2149. | 3.8 | 3 |
| 78 | Numerical Study of Flow Around a Smooth Circular Cylinder at Reynold Number=3900 With Large Eddy Simulation Using CFD Code. , 2016, , . | | 2 |
| 79 | A new approach to estimate damage in concrete beams using non-linearity. Construction and Building Materials, 2016, 124, 1081-1089. | 7.2 | 30 |
| 80 | Sustainable Non-destructive Technique Ambient Vibrations for Ground Assessments. Procedia, Social and Behavioral Sciences, 2016, 216, 701-711. | 0.5 | 5 |
| 81 | Seismic analysis of Roller Compacted Concrete (RCC) dams considering effect of sizes and shapes of galleries. KSCE Journal of Civil Engineering, 2016, 20, 261-272. | 1.9 | 30 |
| 82 | Concrete beam crack detection using tapered polymer optical fiber sensors. Measurement: Journal of the International Measurement Confederation, 2016, 88, 96-103. | 5.0 | 36 |
| 83 | Nondestructive test methods for concrete bridges: A review. Construction and Building Materials, 2016, 107, 58-86. | 7.2 | 269 |
| 84 | Potential of adaptive neuro fuzzy inference system for evaluating the factors affecting steel-concrete composite beam's shear strength. Steel and Composite Structures, 2016, 21, 679-688. | 1.3 | 168 |
| 85 | Strength prediction of rotary brace damper using MLR and MARS. Structural Engineering and Mechanics, 2016, 60, 471-488. | 1.0 | 63 |
| 86 | Vulnerability Assessment of Existing Low-Rise Reinforced Concrete School Buildings in Low Seismic Region Using Ambient Noise Method. Advanced Materials Research, 2014, 931-932, 483-489. | 0.3 | 8 |
| 87 | The use of wire meshâ€‘epoxy composite for enhancing the flexural performance of concrete beams. Materials & Design, 2014, 60, 250-259. | 5.1 | 43 |
| 88 | Prediction of shear capacity of channel shear connectors using the ANFIS model. Steel and Composite Structures, 2014, 17, 623-639. | 1.3 | 163 |
| 89 | Use of Tapered Optical Fiber Sensors in Study of the Hydration Process of Cement Paste. IEEE Sensors Journal, 2013, 13, 3415-3420. | 4.7 | 14 |
| 90 | Added advantages in using a fiber Bragg grating sensor in the determination of early age setting time for cement pastes. Measurement: Journal of the International Measurement Confederation, 2013, 46, 4313-4320. | 5.0 | 28 |

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|-----|--|-----|-----------|
| 91 | Dynamic characteristics and model updating of damaged slab from ambient vibration measurements. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1371-1378. | 5.0 | 22 |
| 92 | Optimization of the Geometries of Biconical Tapered Fiber Sensors for Monitoring the Early Age Curing Temperatures of Concrete Specimens. Computer-Aided Civil and Infrastructure Engineering, 2013, 28, 531-541. | 9.8 | 27 |
| 93 | P- \hat{I}^n and End Rotation Effects on the Influence of Mechanical Properties of Elastomeric Isolation Bearings. Journal of Structural Engineering, 2012, 138, 669-675. | 3.4 | 20 |
| 94 | Approach to Reduce the Limitations of Modal Identification in Damage Detection Using Limited Field Data for Nondestructive Structural Health Monitoring of a Cable-Stayed Concrete Bridge. Journal of Bridge Engineering, 2012, 17, 867-875. | 2.9 | 26 |
| 95 | New nine-node Lagrangian quadrilateral plate element based on Mindlin-Reissner theory using IFM. Structural Engineering and Mechanics, 2012, 41, 205-229. | 1.0 | 4 |
| 96 | Mathematical modeling for analysis cable structures. Scientific Research and Essays, 2011, 6, . | 0.4 | 0 |
| 97 | Application of Trujillo Algorithm for Analyzing of Structures. American Journal of Applied Sciences, 2010, 7, 408-414. | 0.2 | 1 |
| 98 | A remote monitoring system for stadia dynamics. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2004, 157, 385-393. | 0.8 | 19 |
| 99 | Monitoring of Curing Temperature of Early-Age Cement Paste Using Biconical Tapered Fiber Sensor. Advanced Materials Research, 0, 250-253, 3549-3553. | 0.3 | 1 |
| 100 | Estimation of Site Dynamic Characteristics from Ambient Noise Measurements Using HVSR Method in Microzonation Study: Senggarang, Batu Pahat, Malaysia. Advanced Materials Research, 0, 931-932, 803-807. | 0.3 | 6 |
| 101 | Flexural Behaviour of Concrete Beams Bonded with Wire Mesh-Epoxy Composite. Applied Mechanics and Materials, 0, 567, 411-416. | 0.2 | 5 |
| 102 | A new metallic bar damper device for seismic energy dissipation of civil structures. IOP Conference Series: Materials Science and Engineering, 0, 431, 122009. | 0.6 | 13 |
| 103 | Data Mining Technology for Structural Control Systems: Concept, Development, and Comparison. , 0, , . | | 4 |