Zhibin Lin

List of Publications by Year in Descending Order

42 papers	843 citations	14 h-index	28 g-index
46 ext. papers	1,147 ext. citations	4.2 avg, IF	4.85 L-index

#	Paper	IF	Citations
42	Experimental Study to Analyze Feasibility of a Novel Panelized Ground-Source Thermoelectric System for Building Space Heating and Cooling. *Energies*, **2022**, 15, 209	3.1	1
41	Effect of melting point on thermodynamics of thin PCM reinforced residential frame walls in different climate zones. *Applied Thermal Engineering*, **2021**, 188, 116615	5.8	14
40	Degradation of epoxy coatings exposed to impingement flow **2021**, 18, 1153-1164		1
39	Morphologic and synergistic effects of GNP/NS binary-filler-based multifunctional coatings with robust anti-corrosion and hydrophobic properties. *Progress in Organic Coatings*, **2021**, 157, 106286	4.8	1
38	Robust, hydrophobic anti-corrosion coating prepared by PDMS modified epoxy composite with graphite nanoplatelets/nano-silica hybrid nanofillers. *Surface and Coatings Technology*, **2021**, 421, 127440	4.4	8
37	Numerical study of the feasibility of coupling vacuum isolation panels with phase change material for enhanced energy-efficient buildings. *Energy and Buildings*, **2021**, 251, 111369	7	0
36	Machine Learning-Enriched Lamb Wave Approaches for Automated Damage Detection. *Sensors*, **2020**, 20,	3.8	14
35	Comparative Study of Three Carbon Additives: Carbon Nanotubes, Graphene, and Fullerene-C60, for Synthesizing Enhanced Polymer Nanocomposites. *Nanomaterials*, **2020**, 10,	5.4	9
34	Nano-modified functional composite coatings for metallic structures: Part I-Electrochemical and barrier behavior. *Surface and Coatings Technology*, **2020**, 401, 126286	4.4	1
33	Nano-modified functional composite coatings for metallic structures: Part II Mechanical and damage tolerance. *Surface and Coatings Technology*, **2020**, 401, 126274	4.4	2
32	Enhanced Protective Coatings Based on Nanoparticle fullerene C60 for Oil & Gas Pipeline Corrosion Mitigation. *Nanomaterials*, **2019**, 9,	5.4	14
31	Mechanical, electrochemical, and durability behavior of graphene nano-platelet loaded epoxy-resin composite coatings. *Composites Part B: Engineering*, **2019**, 176, 107103	10	22
30	Enabling Damage Identification of Structures Using Time Series Based Feature Extraction Algorithms. *Journal of Aerospace Engineering*, **2019**, 32, 04019014	1.4	5
29	Time-Frequency-Based Data-Driven Structural Diagnosis and Damage Detection for Cable-Stayed Bridges. *Journal of Bridge Engineering*, **2018**, 23, 04018033	2.7	61
28	Deep BBN Learning for Health Assessment toward Decision-Making on Structures under Uncertainties. *KSCE Journal of Civil Engineering*, **2018**, 22, 928-940	1.9	20
27	Vibration-Based Support Vector Machine for Structural Health Monitoring. *Lecture Notes in Civil Engineering*, **2018**, 167-178	0.3	11
26	Optimal Design of Active Tuned Mass Dampers for Mitigating Translational Torsional Motion of Irregular Buildings. *Lecture Notes in Civil Engineering*, **2018**, 586-596	0.3	3

25	Analytical and Numerical Investigation of Overstrength Factors for Very Short Shear Links in EBFs. *KSCE Journal of Civil Engineering*, **2018**, 22, 4473-4482	1.9	7
24	Electrochemical Characterization of Steel Bridge Welds under Simulated Durability Test. *Journal of Bridge Engineering*, **2018**, 23, 04018068	2.7	2
23	Data-driven structural diagnosis and conditional assessment: from shallow to deep learning **2018**,		10
22	Graphene Reinforced Composites as Protective Coatings for Oil and Gas Pipelines. *Nanomaterials*, **2018**, 8,	5.4	21
21	Numerical Thermal Characterization and Performance Metrics of Building Envelopes Containing Phase Change Materials for Energy-Efficient Buildings. *Sustainability*, **2018**, 10, 2657	3.6	6
20	Improved semi-active control algorithm for hydraulic damper-based braced buildings. *Structural Control and Health Monitoring*, **2017**, 24, e1991	4.5	14
19	Data-driven support vector machine with optimization techniques for structural health monitoring and damage detection. *KSCE Journal of Civil Engineering*, **2017**, 21, 523-534	1.9	108
18	Numerical simulation of fatigue behavior for cable-stayed orthotropic steel deck bridges using mixed-dimensional coupling method. *KSCE Journal of Civil Engineering*, **2017**, 21, 2338-2350	1.9	7
17	On-chip thermal management method based on phase change material **2017**,		1
16	Experimental study on bond durability of glass fiber reinforced polymer bars in concrete exposed to harsh environmental agents: Freeze-thaw cycles and alkaline-saline solution. *Composites Part B: Engineering*, **2017**, 116, 406-421	10	34
15	Bond durability assessment and long-term degradation prediction for GFRP bars to fiber-reinforced concrete under saline solutions. *Composite Structures*, **2017**, 161, 393-406	5.3	36
14	Evaluation and prediction of bond strength of GFRP-bar reinforced concrete using artificial neural network optimized with genetic algorithm. *Composite Structures*, **2017**, 161, 441-452	5.3	57
13	Applications of graphite-enabled phase change material composites to improve thermal performance of cementitious materials. *IOP Conference Series: Materials Science and Engineering*, **2017**, 264, 012013	0.4	3
12	RF-powered battery-less Wireless Sensor Network **2016**,		3
11	RF-powered battery-less Wireless Sensor Network in structural monitoring **2016**,		1
10	Nano-Engineered Cements with Enhanced Mechanical Performance. *Journal of the American Ceramic Society*, **2016**, 99, 564-572	3.8	16
9	Bond mechanism and bond strength of GFRP bars to concrete: A review. *Composites Part B: Engineering*, **2016**, 98, 56-69	10	111
8	New strategy for anchorage reliability assessment of GFRP bars to concrete using hybrid artificial neural network with genetic algorithm. *Composites Part B: Engineering*, **2016**, 92, 420-433	10	45

7	Prediction of fatigue life of welded details in cable-stayed orthotropic steel deck bridges. *Engineering Structures*, **2016**, 127, 344-358	4.7	45
6	Bond behavior of GFRP bar-concrete interface: Damage evolution assessment and FE simulation implementations. *Composite Structures*, **2016**, 155, 63-76	5.3	14
5	Seismic performance and global ductility of RC frames rehabilitated with retrofitted joints by CFRP laminates. *Earthquake Engineering and Engineering Vibration*, **2014**, 13, 59-73	2	13
4	Three-dimensional corrosion pit measurement and statistical mechanical degradation analysis of deformed steel bars subjected to accelerated corrosion. *Construction and Building Materials*, **2014**, 70, 104-117	6.7	82
3	Modeling of Underconstrained Systems with the Force Method. *International Journal of Space Structures*, **2014**, 29, 49-59	0.8	1
2	Modeling inelastic shear lag in steel box beams. *Engineering Structures*, **2012**, 41, 90-97	4.7	11
1	A Revisit of Fatigue Performance Based Welding Quality Criteria in Bridge Welding Provisions and Guidelines		6