

# M Neaz Sheikh

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

124  
papers

2,270  
citations

26  
h-index

42  
g-index

141  
ext. papers

3,065  
ext. citations

3.7  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
124	Mechanical properties of high ductility hybrid fibres reinforced magnesium phosphate cement-based composites. <i>Composite Structures</i> , <b>2022</b> , 284, 115219	5.3	0
123	Development of fibre-reinforced concrete mix for manufacturing non-prestressed concrete sleepers. <i>Structures</i> , <b>2022</b> , 37, 588-599	3.4	1
122	Incorporation of graphene in slag-fly ash-based alkali-activated concrete. <i>Construction and Building Materials</i> , <b>2022</b> , 322, 126417	6.7	2
121	Flexural strengthening of RC beams with NSM-GFRP technique incorporating innovative anchoring system. <i>Structures</i> , <b>2022</b> , 38, 251-264	3.4	0
120	Evaluation on the performance of magnesium phosphate cement-based engineered cementitious composites (MPC-ECC) with blended fly ash/silica fume. <i>Construction and Building Materials</i> , <b>2022</b> , 341, 127861	6.7	0
119	Experimental study of the effect of graphene on properties of ambient-cured slag and fly ash-based geopolymer paste and mortar. <i>Construction and Building Materials</i> , <b>2021</b> , 313, 125403	6.7	4
118	Experimental Study of GFRP-Reinforced Geopolymer Concrete Columns under Different Loading Conditions. <i>Journal of Composites for Construction</i> , <b>2021</b> , 25,	3.3	2
117	Tensile Testing of Carbon FRP (CFRP) and Glass FRP (GFRP) Bars: An Experimental Study. <i>Journal of Testing and Evaluation</i> , <b>2021</b> , 49, 20180660	1	0
116	Analysis of concrete columns with high-performance concrete jackets and polymer wraps. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , <b>2021</b> , 1-12	0.9	0
115	Influence of alkaline activators on the mechanical properties of fly ash based geopolymer concrete cured at ambient temperature. <i>Construction and Building Materials</i> , <b>2021</b> , 273, 121752	6.7	25
114	Effect of Using GFRP Reinforcement on the Behavior of Hollow-Core Circular Concrete Columns. <i>Journal of Composites for Construction</i> , <b>2021</b> , 25, 06020003	3.3	9
113	Behavior of axially loaded plain and fiber-reinforced geopolymer concrete columns with glass fiber-reinforced polymer cages. <i>Structural Concrete</i> , <b>2021</b> , 22, 1800-1816	2.6	5
112	Mechanical properties of fiber and nano-Al <sub>2</sub> O <sub>3</sub> reinforced magnesium phosphate cement composite. <i>Construction and Building Materials</i> , <b>2021</b> , 270, 121861	6.7	10
111	Water stability of bonding properties between nano-Fe <sub>2</sub> O <sub>3</sub> -modified magnesium-phosphate-cement mortar and steel fibre. <i>Construction and Building Materials</i> , <b>2021</b> , 291, 123316	6.7	4
110	Strain model for discretely FRP confined concrete based on energy balance principle. <i>Engineering Structures</i> , <b>2021</b> , 241, 112489	4.7	3
109	Deflection hardening behaviour of ductile fibre reinforced magnesium phosphate cement-based composite. <i>Cement and Concrete Composites</i> , <b>2021</b> , 121, 104079	8.6	5
108	Behaviour and design of prefabricated CFST stub columns with PCC connections under compression. <i>Thin-Walled Structures</i> , <b>2021</b> , 166, 108041	4.7	4

107	Flexural behavior of high ductility MPC-based composites under low-temperature curing. <i>Construction and Building Materials</i> , <b>2021</b> , 300, 124231	6.7	0
106	Behaviour of prefabricated steel-concrete composite slabs with a novel interlocking system. Numerical analysis. <i>Engineering Structures</i> , <b>2021</b> , 245, 112905	4.7	2
105	Analytical investigation on the load-moment interaction behavior of the FRP reinforced geopolymer concrete filled FRP tube circular columns. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102818	5.2	6
104	Behaviour of square concrete filled FRP tube columns under concentric, uniaxial eccentric, biaxial eccentric and four-point bending loads. <i>Thin-Walled Structures</i> , <b>2021</b> , 168, 108252	4.7	3
103	Bond behavior between the nano-Al <sub>2</sub> O <sub>3</sub> -water-glass-modified magnesium-phosphate-cement mortar and steel fiber. <i>Construction and Building Materials</i> , <b>2021</b> , 306, 124814	6.7	2
102	Behavior of GFRP bar-reinforced hollow-core polypropylene fiber and glass fiber concrete columns under axial compression. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 103245	5.2	5
101	Mechanical properties of high-ductility magnesium phosphate cement composite cured at low temperatures. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 103275	5.2	
100	Analytical load-moment (P-M) interaction diagrams of GFRP bar reinforced circular geopolymer concrete columns. <i>Structures</i> , <b>2021</b> , 34, 2445-2454	3.4	1
99	Experimental study on the effects of the fiber and nano-Fe <sub>2</sub> O <sub>3</sub> on the properties of the magnesium potassium phosphate cement composites. <i>Journal of Materials Research and Technology</i> , <b>2020</b> , 9, 14307-14320	5.5	5
98	Damage assessment of GFRP bar reinforced ultra-high-strength concrete beams under overloading impact conditions. <i>Engineering Structures</i> , <b>2020</b> , 213, 110581	4.7	6
97	Failure envelopes of square and circularized RC columns discretely confined with CFRP. <i>Construction and Building Materials</i> , <b>2020</b> , 261, 119937	6.7	6
96	P-M Interactions of Geopolymer Concrete Column Reinforced with and without Steel Fiber. <i>ACI Structural Journal</i> , <b>2020</b> , 117,	1.7	5
95	Response of Concrete Beams Reinforced with GFRP Bars Under Static Loads. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 765-774	0.3	1
94	Response of Concrete Beams Reinforced with GFRP Bars Under Impact Loads. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 489-497	0.3	1
93	Overload damage mechanisms of GFRP-RC beams subjected to high-intensity low-velocity impact loads. <i>Composite Structures</i> , <b>2020</b> , 233, 111578	5.3	5
92	Experimental results of circular FRP tube confined concrete (CFFT) and comparison with analytical models. <i>Journal of Building Engineering</i> , <b>2020</b> , 29, 101157	5.2	4
91	Effect of geogrid reinforcement on the drying shrinkage and thermal expansion of geopolymer concrete. <i>Structural Concrete</i> , <b>2020</b> , 21, 1029-1039	2.6	6
90	Properties and Application of Sea Sand in Sea Sand/Seawater Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2020</b> , 32, 04020392	3	7

89	Microscopic characteristics of interface transition zone between magnesium phosphate cement and steel fiber. <i>Construction and Building Materials</i> , <b>2020</b> , 253, 119179	6.7	16
88	Experimental and analytical investigations on the effectiveness of non-uniform CFRP wrapping on circularised RC columns. <i>Structure and Infrastructure Engineering</i> , <b>2020</b> , 1-16	2.9	2
87	Nonuniform CFRP Wrapping to Prevent Sudden Failure of FRP Confined Square RC Columns. <i>Journal of Composites for Construction</i> , <b>2020</b> , 24, 04020063	3.3	7
86	Material and glass-fibre-reinforced polymer bond properties of geopolymer concrete. <i>Magazine of Concrete Research</i> , <b>2020</b> , 72, 509-525	2	13
85	Benefits of using sea sand and seawater in concrete: a comprehensive review. <i>Australian Journal of Structural Engineering</i> , <b>2019</b> , 20, 280-289	1.4	27
84	Numerical investigations on the flexural behavior of GFRP-RC beams under monotonic loads. <i>Structures</i> , <b>2019</b> , 20, 255-267	3.4	8
83	Analytical investigation on the behavior of circular and square RC columns strengthened with RPC and wrapped with FRP under uniaxial compression. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100833	5.2	9
82	Flexural design of GFRP bar reinforced concrete beams: An appraisal of code recommendations. <i>Journal of Building Engineering</i> , <b>2019</b> , 25, 100794	5.2	10
81	Mechanical properties of steel, glass, and hybrid fiber reinforced reactive powder concrete. <i>Frontiers of Structural and Civil Engineering</i> , <b>2019</b> , 13, 998-1006	2.5	21
80	Pullout Behaviour of Different Types of Steel Fibres Embedded in Magnesium Phosphate Cementitious Matrix. <i>International Journal of Concrete Structures and Materials</i> , <b>2019</b> , 13,	2.8	5
79	Performance evaluation of intermittently CFRP wrapped square and circularised square reinforced concrete columns under different loading conditions. <i>Structure and Infrastructure Engineering</i> , <b>2019</b> , 15, 696-710	2.9	10
78	Experimental investigations on the behavior of GFRP bar reinforced HSC and UHSC beams under static and impact loading. <i>Structures</i> , <b>2019</b> , 22, 109-123	3.4	11
77	New technique for strengthening square-reinforced concrete columns by the circularisation with reactive powder concrete and wrapping with fibre-reinforced polymer. <i>Structure and Infrastructure Engineering</i> , <b>2019</b> , 15, 1392-1403	2.9	8
76	Moment-Curvature Behavior of Glass Fiber-Reinforced Polymer Bar-Reinforced Normal-Strength Concrete and High-Strength Concrete Columns. <i>ACI Structural Journal</i> , <b>2019</b> , 116,	1.7	8
75	Numerical Analysis of Behavior of Glass Fiber-Reinforced Polymer Bar-Reinforced Concrete Beams under Impact Loads. <i>ACI Structural Journal</i> , <b>2019</b> , 116,	1.7	5
74	The Effect of Nano-SiO <sub>2</sub> , Nano-Al <sub>2</sub> O <sub>3</sub> , and Nano-Fe <sub>2</sub> O <sub>3</sub> on the Compressive Strength and Workability of Magnesium Phosphate Cement-Based Mortar. <i>Advances in Civil Engineering Materials</i> , <b>2019</b> , 8, 20190014	0.7	1
73	A New Method for Direct Tensile Testing of Concrete. <i>Journal of Testing and Evaluation</i> , <b>2019</b> , 47, 20170067		9
72	Cyclic Behaviour of Scrap-Tyre Soil Mixtures. <i>Developments in Geotechnical Engineering</i> , <b>2019</b> , 303-311	0.4	2

71	The Effect of Nano-Particles and Water Glass on the Water Stability of Magnesium Phosphate Cement Based Mortar. <i>Materials</i> , <b>2019</b> , 12,	3.5	8
70	Experimental evaluation of tensile strength test methods for steel fibre-reinforced concrete. <i>Magazine of Concrete Research</i> , <b>2019</b> , 71, 385-394	2	3
69	Experimental investigation on foam concrete without and with recycled glass powder: A sustainable solution for future construction. <i>Construction and Building Materials</i> , <b>2019</b> , 201, 369-379	6.7	31
68	Investigation of engineering properties of normal and high strength fly ash based geopolymer and alkali-activated slag concrete compared to ordinary Portland cement concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 196, 26-42	6.7	73
67	Maximum axial load carrying capacity of Fibre Reinforced-Polymer (FRP) bar reinforced concrete columns under axial compression. <i>Structures</i> , <b>2019</b> , 19, 227-233	3.4	15
66	Predicting strength and strain enhancement ratios of circular fiber-reinforced polymer tube confined concrete under axial compression using artificial neural networks. <i>Advances in Structural Engineering</i> , <b>2019</b> , 22, 1426-1443	1.9	3
65	Investigation on the behaviour of partial wrapping in comparison with full wrapping of square RC columns under different loading conditions. <i>Construction and Building Materials</i> , <b>2018</b> , 168, 153-168	6.7	36
64	Behavior of High-Strength Concrete Columns Reinforced with Galvanized Steel Equal-Angle Sections under Different Loading Conditions. <i>Journal of Structural Engineering</i> , <b>2018</b> , 144, 04018070	3	3
63	Axial and flexural behaviour of circular reinforced concrete columns strengthened with reactive powder concrete jacket and fibre reinforced polymer wrapping. <i>Construction and Building Materials</i> , <b>2018</b> , 172, 717-727	6.7	28
62	Mechanical behaviour of micro-fine steel fibre reinforced sulphoaluminate cement composite. <i>Construction and Building Materials</i> , <b>2018</b> , 170, 91-100	6.7	9
61	Experimental Investigation on the Effect of Corrosion on the Bond Between Reinforcing Steel Bars and Fibre Reinforced Geopolymer Concrete. <i>Structures</i> , <b>2018</b> , 14, 251-261	3.4	36
60	Shear modulus of sand tyre chip mixtures. <i>Environmental Geotechnics</i> , <b>2018</b> , 5, 336-344	1.2	17
59	Concrete Filled Carbon FRP Tube (CFRP-CFFT) columns with and without CFRP reinforcing bars: Axial-flexural interactions. <i>Composites Part B: Engineering</i> , <b>2018</b> , 133, 42-52	10	21
58	Influence of the Location of CFRP Strips on the Behaviour of Partially Wrapped Square Reinforced Concrete Columns under Axial Compression. <i>Structures</i> , <b>2018</b> , 15, 131-137	3.4	18
57	Behaviour of Ambient Cured Steel Fibre Reinforced Geopolymer Concrete Columns Under Axial and Flexural Loads. <i>Structures</i> , <b>2018</b> , 15, 184-195	3.4	26
56	Analytical investigation on the load-moment characteristics of GFRP bar reinforced circular NSC and HSC columns. <i>Construction and Building Materials</i> , <b>2018</b> , 183, 605-617	6.7	11
55	Axial Load-Axial Deformation Behaviour of SCC Columns Reinforced with Steel Tubes. <i>Structures</i> , <b>2018</b> , 15, 259-269	3.4	2
54	Mechanical properties of micro-steel fibre reinforced magnesium potassium phosphate cement composite. <i>Construction and Building Materials</i> , <b>2018</b> , 185, 423-435	6.7	26

53	Interface bond performance of steel fibre embedded in magnesium phosphate cementitious composite. <i>Construction and Building Materials</i> , <b>2018</b> , 185, 648-660	6.7	12
52	Behavior of Ambient Cured Geopolymer Concrete Columns under Different Loads. <i>ACI Structural Journal</i> , <b>2018</b> , 115,	1.7	5
51	Axial Compressive Behavior of Steel Equal Angle Section-Reinforced Square High-Strength Concrete Column. <i>ACI Structural Journal</i> , <b>2018</b> , 115,	1.7	1
50	Behaviour of small-diameter self-compacting concrete-filled steel tubes. <i>Magazine of Concrete Research</i> , <b>2018</b> , 70, 811-821	2	1
49	Flexural behavior of partially fiber-reinforced high-strength concrete beams reinforced with FRP bars. <i>Construction and Building Materials</i> , <b>2018</b> , 161, 587-597	6.7	48
48	Compressive behaviour of partially FRP confined concrete: Experimental observations and assessment of the stress-strain models. <i>Construction and Building Materials</i> , <b>2018</b> , 192, 785-797	6.7	47
47	Eccentrically Loaded FRP Confined Concrete with Different Wrapping Schemes. <i>Journal of Composites for Construction</i> , <b>2018</b> , 22, 04018056	3.3	18
46	Engineering Properties of Ambient Cured Alkali-Activated Fly Ash/Slag Concrete Reinforced with Different Types of Steel Fiber. <i>Journal of Materials in Civil Engineering</i> , <b>2018</b> , 30, 04018142	3	29
45	Mechanical Properties of Steel Fiber-Reinforced Magnesium Phosphate Cement Mortar. <i>Advances in Civil Engineering</i> , <b>2018</b> , 2018, 1-11	1.3	7
44	Experimental Investigation of Circular High-Strength Concrete Columns Reinforced with Glass Fiber-Reinforced Polymer Bars and Helices under Different Loading Conditions. <i>Journal of Composites for Construction</i> , <b>2017</b> , 21, 04017005	3.3	38
43	Design of geopolymer concrete with GGBFS at ambient curing condition using Taguchi method. <i>Construction and Building Materials</i> , <b>2017</b> , 140, 424-431	6.7	134
42	Behavior of Self-Compacting Concrete Columns Reinforced Longitudinally with Steel Tubes. <i>Journal of Structural Engineering</i> , <b>2017</b> , 143, 04017024	3	4
41	Empirical models for the prediction of ground motion duration for intraplate earthquakes. <i>Journal of Seismology</i> , <b>2017</b> , 21, 1001-1021	1.5	7
40	Flexural behaviour of GFRP reinforced high strength and ultra high strength concrete beams. <i>Construction and Building Materials</i> , <b>2017</b> , 131, 606-617	6.7	30
39	Behaviour of Small Diameter Steel Tubes Under Axial Compression. <i>Structures</i> , <b>2017</b> , 11, 155-163	3.4	12
38	Behaviour of concrete-encased concrete-filled FRP tube (CCFT) columns under axial compression. <i>Engineering Structures</i> , <b>2017</b> , 147, 256-268	4.7	33
37	Behaviour of circularized and FRP wrapped hollow concrete specimens under axial compressive load. <i>Composite Structures</i> , <b>2017</b> , 171, 538-548	5.3	17
36	Behavior of Circularized Hollow RC Columns under Different Loading Conditions. <i>Journal of Composites for Construction</i> , <b>2017</b> , 21, 04017025	3.3	19

35	Performance evaluation of high strength concrete and steel fibre high strength concrete columns reinforced with GFRP bars and helices. <i>Construction and Building Materials</i> , <b>2017</b> , 134, 297-310	6.7	28
34	Behaviour of high strength concrete reinforced with different types of steel fibres. <i>Australian Journal of Structural Engineering</i> , <b>2017</b> , 18, 254-261	1.4	4
33	Axial-Flexural Interactions of GFRP-CFFT Columns with and without Reinforcing GFRP Bars. <i>Journal of Composites for Construction</i> , <b>2017</b> , 21, 04016109	3.3	29
32	Load and Moment Interaction Diagram for Circular Concrete Columns Reinforced with GFRP Bars and GFRP Helices. <i>Journal of Composites for Construction</i> , <b>2017</b> , 21, 04016076	3.3	12
31	Longitudinal Reinforcement Limits for Fiber-Reinforced Polymer Reinforced Concrete Members. <i>ACI Structural Journal</i> , <b>2017</b> , 114,	1.7	3
30	Behavior of Steel Fiber-Reinforced High-Strength Concrete Columns under Different Loads. <i>ACI Structural Journal</i> , <b>2017</b> , 114,	1.7	9
29	Constitutive Model for Sand-Tyre Chip Mixture. <i>International Journal of Geomechanics</i> , <b>2016</b> , 16, 04015023	3.1	15
28	Axial compressive behaviour of concrete confined with polymer grid. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 3893-3908	3.4	23
27	Direct tensile testing of Self-Compacting Concrete. <i>Construction and Building Materials</i> , <b>2016</b> , 112, 903-906	3.6	22
26	Experimental Study on FRP Tube Reinforced Concrete Columns under Different Loading Conditions. <i>Journal of Composites for Construction</i> , <b>2016</b> , 20, 04016034	3.3	19
25	Experimental investigation of the behaviour of concrete beams reinforced with GFRP bars under static and impact loading. <i>Engineering Structures</i> , <b>2016</b> , 113, 220-232	4.7	66
24	Experimental Investigations on Circular Concrete Columns Reinforced with GFRP Bars and Helices under Different Loading Conditions. <i>Journal of Composites for Construction</i> , <b>2016</b> , 20, 04016009	3.3	122
23	Axial compressive behaviour of circular CFFT: Experimental database and design-oriented model. <i>Steel and Composite Structures</i> , <b>2016</b> , 21, 921-947		7
22	Liquefaction Potential and Dynamic Properties of Sand-Tyre Chip (STCh) Mixtures. <i>Geotechnical Testing Journal</i> , <b>2016</b> , 39, 20150031	1.3	24
21	Axial and flexural behavior of unreinforced and FRP bar reinforced circular concrete filled FRP tube columns. <i>Construction and Building Materials</i> , <b>2016</b> , 122, 43-53	6.7	62
20	Axial load-axial deformation behaviour of circular concrete columns reinforced with GFRP bars and helices. <i>Construction and Building Materials</i> , <b>2016</b> , 112, 1147-1157	6.7	74
19	A Checking Method for Multiple Seismic Performance Objectives of Bridge Piers Designed According to Code Provisions. <i>Journal of Earthquake Engineering</i> , <b>2016</b> , 20, 1148-1168	1.8	5
18	Behaviour of perforated GFRP tubes under axial compression. <i>Thin-Walled Structures</i> , <b>2015</b> , 95, 88-100	4.7	22

17	Shear strength and dilatancy behaviour of sand tyre chip mixtures. <i>Soils and Foundations</i> , <b>2015</b> , 55, 517-528	2.8	114
16	Axial compressive behaviour of GFRP tube reinforced concrete columns. <i>Construction and Building Materials</i> , <b>2015</b> , 81, 198-207	6.7	42
15	Performance based seismic assessment of bridges designed according to Canadian Highway Bridge Design Code. <i>Canadian Journal of Civil Engineering</i> , <b>2014</b> , 41, 777-787	1.3	24
14	A new model for the prediction of earthquake ground-motion duration in Iran. <i>Natural Hazards</i> , <b>2014</b> , 70, 69-92	3	24
13	Application of Multiple Objective Particle Swarm Optimisation in the Design of Damaged Offshore Mooring Systems. <i>Key Engineering Materials</i> , <b>2013</b> , 569-570, 1257-1264	0.4	1
12	Influence of Rock Depth on Seismic Site Classification for Shallow Bedrock Regions. <i>Natural Hazards Review</i> , <b>2013</b> , 14, 108-121	3.5	33
11	Shear and Compressibility Behavior of Sand tyre Crumb Mixtures. <i>Journal of Materials in Civil Engineering</i> , <b>2013</b> , 25, 1366-1374	3	114
10	Modeling shear rigidity of stratified bedrock in site response analysis. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2012</b> , 34, 89-98	3.5	11
9	Reduction of seismic pounding effects of base-isolated RC highway bridges using MR damper. <i>Structural Engineering and Mechanics</i> , <b>2012</b> , 41, 791-803		17
8	Seismic isolation for low-to-medium-rise buildings using granulated rubber soil mixtures: numerical study. <i>Earthquake Engineering and Structural Dynamics</i> , <b>2012</b> , 41, 2009-2024	4	111
7	Seismic Site Classifications and Site Amplifications for the Urban Centres in the Shallow Overburden Deposits. <i>International Journal of Geotechnical Earthquake Engineering</i> , <b>2012</b> , 3, 86-108	0.2	2
6	A checking method for probabilistic seismic-hazard assessment: case studies on three cities. <i>Natural Hazards</i> , <b>2011</b> , 58, 67-84	3	10
5	Yield curvature for seismic design of circular reinforced concrete columns. <i>Magazine of Concrete Research</i> , <b>2010</b> , 62, 741-748	2	17
4	Regional differences in attenuation modelling for Eastern China. <i>Journal of Asian Earth Sciences</i> , <b>2010</b> , 39, 441-459	2.8	7
3	Bridge support elastic reactions under vertical earthquake ground motion. <i>Engineering Structures</i> , <b>2009</b> , 31, 2317-2326	4.7	6
2	Influence of non-structural components on lateral stiffness of tall buildings. <i>Structural Design of Tall and Special Buildings</i> , <b>2005</b> , 14, 143-164	1.8	28
1	Response spectrum predictions for potential near-field and far-field earthquakes affecting Hong Kong: soil sites. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2002</b> , 22, 419-440	3.5	22