

# Naci Caglar

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

557  
citations

687363

13  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

538  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Forecasting based on neural network approach of solar potential in Turkey. <i>Renewable Energy</i> , 2005, 30, 1075-1090.  | 8.9 | 150       |
| 2  | Neural network based approach for determining the shear strength of circular reinforced concrete columns. <i>Construction and Building Materials</i> , 2009, 23, 3225-3232.                                    | 7.2 | 51        |
| 3  | Nonlinear finite element study on the improvement of shear capacity in reinforced concrete T-Section beams by an alternative diagonal shear reinforcement. <i>Engineering Structures</i> , 2016, 120, 158-165. | 5.3 | 45        |
| 4  | Neural networks in 3-dimensional dynamic analysis of reinforced concrete buildings. <i>Construction and Building Materials</i> , 2008, 22, 788-800.  | 7.2 | 41        |
| 5  | Parameters affecting diagonal cracking behavior of reinforced concrete deep beams. <i>Engineering Structures</i> , 2019, 184, 217-231.   | 5.3 | 34        |
| 6  | A parametric study for distortional buckling stress on cold-formed steel using a neural network. <i>Journal of Constructional Steel Research</i> , 2007, 63, 686-691.  | 3.9 | 26        |
| 7  | Dynamic soil-structure interaction analysis of buildings by neural networks. <i>Construction and Building Materials</i> , 2008, 22, 330-342.   | 7.2 | 25        |
| 8  | The applicability of neural networks in the determination of soil profiles. <i>Bulletin of Engineering Geology and the Environment</i> , 2007, 66, 295-301.  | 3.5 | 24        |
| 9  | October 23, 2011 Turkey/Van-Ercis earthquake: structural damages in the residential buildings. <i>Natural Hazards</i> , 2013, 65, 2287-2310.   | 3.4 | 19        |
| 10 | A simple formulation for effective flexural stiffness of circular reinforced concrete columns. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 38, 79-87.                                   | 8.1 | 18        |
| 11 | Effect of impact loading on residual flexural capacity of high-strength reinforced concrete beams. <i>Structures</i> , 2020, 27, 2466-2480.  | 3.6 | 16        |
| 12 | Experimental study on hysteric behavior of composite shear walls with steel sheets. <i>Journal of Building Engineering</i> , 2021, 33, 101570.   | 3.4 | 16        |
| 13 | Residual load bearing capacity and failure mechanism of impacted high-strength reinforced concrete shear beams. <i>Engineering Failure Analysis</i> , 2021, 121, 105185.                                       | 4.0 | 16        |
| 14 | A comparative evaluation of semi-active control algorithms for real-time seismic protection of buildings via magnetorheological fluid dampers. <i>Journal of Building Engineering</i> , 2021, 42, 102795.      | 3.4 | 16        |
| 15 | A new approach to determine the base shear of steel frame structures. <i>Journal of Constructional Steel Research</i> , 2009, 65, 188-195.   | 3.9 | 13        |
| 16 | Development of artificial neural network for prediction of salt recovery by nanofiltration from textile industry wastewaters. <i>Desalination and Water Treatment</i> , 2012, 50, 317-328.                     | 1.0 | 10        |
| 17 | Numerical study on the response of composite shear walls with steel sheets under cyclic loading. <i>Journal of Building Engineering</i> , 2021, 34, 102069.  | 3.4 | 9         |
| 18 | Neural network based model for seismic assessment of existing RC buildings. <i>Computers and Concrete</i> , 2013, 12, 229-242.   | 0.7 | 9         |

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|----|--|-----|-----------|
| 19 | A new approach to determine the moment-curvature relationship of circular reinforced concrete columns. <i>Computers and Concrete</i> , 2015, 15, 321-335.  | 0.7 | 6         |
| 20 | Failure analysis of reinforced concrete frames with short column effect. <i>Computers and Concrete</i> , 2009, 6, 403-419.   | 0.7 | 5         |
| 21 | Basement-Storey Effect on the Seismic Response of RC Buildings on Soft Surface Soil. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11291-11302.                                       | 3.0 | 3         |
| 22 | Response of nonconforming RC shear walls with smooth bars under quasi-static cyclic loading. <i>Bulletin of Earthquake Engineering</i> , 2022, 20, 6683-6704.  | 4.1 | 3         |
| 23 | Comparison of discrete-time sliding mode control algorithms for seismic control of buildings with magnetorheological fluid dampers. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1752-1765. | 2.6 | 2         |
| 24 | Design of a Short Tensile Coupon for Fiber Reinforced Plastic Using Artificial Neural Networks. <i>Science and Engineering of Composite Materials</i> , 2005, 12, 261-272.                             | 1.4 | 0         |