

# Yang Xiang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

161  
citations

1307594

7  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

102  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the response of steel structures subjected to vertical seismic excitation: Idealized model and inelastic displacement ratio. <i>Engineering Structures</i> , 2017, 148, 225-238.	5.3	21
2	An extended modal pushover procedure for estimating the in-plane seismic responses of latticed arches. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 93, 42-60.	3.8	18
3	Load-bearing capacity of occlusive high-strength bolt connections. <i>Journal of Constructional Steel Research</i> , 2016, 127, 1-14.	3.9	17
4	Single-story steel structure with LVEM-isolated floor: Elastic seismic performance and design response spectrum. <i>Engineering Structures</i> , 2019, 196, 109314.	5.3	13
5	Ductility demand of bilinear hysteretic systems with large post-yield stiffness: Spectral model and application in the seismic design of dual-systems. <i>Engineering Structures</i> , 2019, 187, 504-517.	5.3	13
6	Damping modification factor for the vertical seismic response spectrum: A study based on Japanese earthquake records. <i>Engineering Structures</i> , 2019, 179, 493-511.	5.3	12
7	Analyzing the seismic response of nonlinear cable net structure by the linear response spectrum analysis method. <i>Advances in Structural Engineering</i> , 2018, 21, 185-200.	2.4	10
8	Vertical ductility demand and residual displacement of roof-type steel structures subjected to vertical earthquake ground motions. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 104, 259-275.	3.8	8
9	Global stability analysis of spatial structures based on Eigen-stiffness and structural Eigen-curve. <i>Journal of Constructional Steel Research</i> , 2018, 141, 226-240.	3.9	7
10	Structural feasibility of incorporating the LVEM-isolated floor in the first story of a two-story steel frame. <i>Engineering Structures</i> , 2019, 199, 109686.	5.3	7
11	Vision-Based Building Seismic Displacement Measurement by Stratification of Projective Rectification Using Lines. <i>Sensors</i> , 2020, 20, 5775.	3.8	7
12	Probabilistic effectiveness of visco-elastic dampers considering earthquake excitation uncertainty and ambient temperature fluctuation. <i>Engineering Structures</i> , 2021, 226, 111379.	5.3	6
13	A linearized approach for the seismic response analysis of flexible cable net structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 88, 92-108.	3.8	5
14	Steel frame with aseismic floor: From the viscoelastic decoupler model to the elastic structural response. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1651-1670.	4.4	5
15	Probabilistic inelastic seismic demand spectra for large-span planar steel structures subjected to vertical ground motions. <i>Engineering Structures</i> , 2018, 174, 646-662.	5.3	4
16	Axial compression capacity of steel circular tube with large initial curvature: Column curve and application in structural assessment. <i>Journal of Constructional Steel Research</i> , 2021, 177, 106481.	3.9	3
17	Analytical approach for vertical floor acceleration of regular RC frames under earthquake excitation. <i>Engineering Structures</i> , 2022, 251, 113546.	5.3	3
18	Improved step-by-step modeling method for analyzing the mechanical behavior of steel structures during construction. <i>Advances in Structural Engineering</i> , 2018, 21, 1632-1651.	2.4	1

#	ARTICLE	IF	CITATIONS
19	Effect of the primary structure on the seismic response of the cable-net facade. Engineering Structures, 2020, 220, 110989.	5.3	1