

Fei-Fei Sun

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

430
citations

932766

10
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic protection of SDOF systems with a negative stiffness amplifying damper. <i>Engineering Structures</i> , 2019, 190, 128-141.	2.6	87
2	Dynamic Characteristics and Responses of Damped Outrigger Tall Buildings Using Negative Stiffness. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	49
3	Performance evaluation of existing isolated buildings with supplemental passive pseudo-negative stiffness devices. <i>Engineering Structures</i> , 2018, 177, 30-46.	2.6	45
4	Simplified optimal design of MDOF structures with negative stiffness amplifying dampers based on effective damping. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1664.	0.9	43
5	Multi-objective optimal design and seismic performance of negative stiffness damped outrigger structures considering damping cost. <i>Engineering Structures</i> , 2021, 229, 111615.	2.6	39
6	Frequency-dependency/independency analysis of damping magnification effect provided by tuned inerter absorber and negative stiffness amplifying damper considering soil-structure interaction. <i>Mechanical Systems and Signal Processing</i> , 2022, 172, 108965.	4.4	38
7	Optimal design of supplemental negative stiffness damped outrigger system for high-rise buildings resisting multi-hazard of winds and earthquakes. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 218, 104761.	1.7	32
8	Development of New-Type Buckling-Restrained Braces and Their Application in Aseismic Steel Frameworks. <i>Advances in Structural Engineering</i> , 2011, 14, 717-730.	1.2	17
9	Mechanical behavior of transverse fillet welded joints of high strength steel using digital image correlation techniques. <i>Journal of Constructional Steel Research</i> , 2019, 162, 105710.	1.7	13
10	A novel crosswind mitigation strategy for tall buildings using negative stiffness damped outrigger systems. <i>Structural Control and Health Monitoring</i> , 2022, 29, .	1.9	12
11	Mechanical behaviour of longitudinal lap-welded joints of high strength steel: Experimental and numerical analysis. <i>Thin-Walled Structures</i> , 2021, 159, 107286.	2.7	10
12	Experimental comparative study of coupled shear wall systems with steel and reinforced concrete link beams. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1678.	0.9	8
13	Experimental and analytical study on plastic overstrength of shear links covering the full range of length ratio. <i>Engineering Structures</i> , 2020, 220, 110961.	2.6	8
14	Analytical method of the modal damping ratio of the beam with distributed dissipative oscillators and application in broadband vibration mitigation. <i>Mechanical Systems and Signal Processing</i> , 2022, 166, 108470.	4.4	6
15	Fragility analysis and inelastic seismic performance of steel braced-core-tube frame outrigger tall buildings with passive adaptive negative stiffness damped outrigger. <i>Journal of Building Engineering</i> , 2022, 52, 104428.	1.6	5
16	Experimental Study on Behavior of Steel Tube Dampers. <i>Journal of Earthquake Engineering</i> , 2019, , 1-21.	1.4	4
17	Mitigating Inter-Story Drift Concentration of Concentrically Braced Steel Frames Using Energy-Dissipative Columns. <i>Journal of Earthquake Engineering</i> , 2022, 26, 221-239.	1.4	4
18	Modeling of Behavior of Continuous Energy-Dissipative Steel Columns Under Cyclic Loads. <i>Journal of Earthquake Engineering</i> , 2019, 23, 1560-1583.	1.4	4

#	ARTICLE	IF	CITATIONS
19	Shaking Table Test on a Perforated Buckling-Restrained Steel Plate Shear Wall Structure. Journal of Earthquake Engineering, 2022, 26, 1824-1846.	1.4	3
20	An adaptive viscous damping wall for seismic protection: Experimental study and performance-based design. Journal of Building Engineering, 2021, 44, 102645.	1.6	2
21	Experimental study on the strength and fracture behaviour of fillet welded joints made of high strength steel under multiple loading angles. Thin-Walled Structures, 2021, 169, 108295.	2.7	1
22	Bearing capacity of H-beams with corrugated webs under partial compressive loading. , 2011, , .		0
23	Investigation on the Performance of Partial Penetration Welds in Multicell Concrete Filled Steel Tubes. Materials, 2021, 14, 7543.	1.3	0