

Wang Jia-Ji

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

520
citations

566801

15
h-index

676716

22
g-index

38
all docs

38
docs citations

38
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Technological development and engineering applications of novel steel-concrete composite structures. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 1-14.	1.2	77
2	Experimental and numerical study on creep and shrinkage effects of ultra high-performance concrete beam. <i>Composites Part B: Engineering</i> , 2020, 184, 107713.	5.9	30
3	Seismic Behavior of Steel Plate Reinforced Concrete Composite Shear Walls under Tension-Bending-Shear Combined Cyclic Load. <i>Journal of Structural Engineering</i> , 2018, 144, .	1.7	29
4	Deep convolutional neural networks for semantic segmentation of cracks. <i>Structural Control and Health Monitoring</i> , 2022, 29, e2850.	1.9	27
5	Fracture energy-based model for average crack spacing of reinforced concrete considering size effect and concrete strength variation. <i>Construction and Building Materials</i> , 2017, 148, 398-410.	3.2	25
6	Experimental study of flexural critical reinforced concrete filled composite plate shear walls. <i>Engineering Structures</i> , 2019, 197, 109439.	2.6	24
7	Three-dimensional periodic materials as seismic base isolator for nuclear infrastructure. <i>AIP Advances</i> , 2019, 9, .	0.6	24
8	Investigation of the shear resistances of steel-concrete-steel composite structures with bidirectional webs. <i>Journal of Constructional Steel Research</i> , 2020, 164, 105846.	1.7	24
9	A deep learning framework for constitutive modeling based on temporal convolutional network. <i>Journal of Computational Physics</i> , 2022, 449, 110784.	1.9	22
10	Triaxial Concrete Constitutive Model for Simulation of Composite Plate Shear Wall-Concrete Encased: THUC3. <i>Journal of Structural Engineering</i> , 2019, 145, .	1.7	21
11	Experimental study and design method of shear-dominated composite plate shear walls. <i>Engineering Structures</i> , 2020, 215, 110656.	2.6	20
12	Force transfer mechanism in RC beams strengthened in shear by means of steel plated concrete. <i>Engineering Structures</i> , 2018, 171, 56-71.	2.6	18
13	Experimental and Numerical Study of Curved SFRC and ECC composite beams with Various Connectors. <i>Thin-Walled Structures</i> , 2020, 155, 106938.	2.7	17
14	Experimental study on wave isolation performance of periodic barriers. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 144, 106602.	1.9	17
15	Experimental Study of Shear-Critical Reinforced-Concrete Shear Walls under Tension-Bending Shear-Combined Cyclic Load. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	16
16	Biaxial reinforced concrete constitutive models for implicit and explicit solvers with reduced mesh sensitivity. <i>Engineering Structures</i> , 2020, 219, 110880.	2.6	15
17	Two-Dimensional Finite-Element Simulation of Periodic Barriers. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	1.6	15
18	Simplified Design Method for the Shear Capacity of Steel Plate Shear-Strengthened Reinforced-Concrete Beams. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	11

#	ARTICLE	IF	CITATIONS
19	Structural performance of slabs in composite box girder considering compressive membrane action. <i>Engineering Structures</i> , 2020, 212, 110457.	2.6	10
20	Novel design method for reinforced concrete decks in composite girders considering compressive membrane action. <i>Engineering Structures</i> , 2021, 229, 111558.	2.6	8
21	Experimental study on the cyclic behaviour of shear links made of BLY160 steel. <i>Thin-Walled Structures</i> , 2022, 174, 109072.	2.7	8
22	Nonlinear model updating algorithm for biaxial reinforced concrete constitutive models of shear walls. <i>Journal of Building Engineering</i> , 2021, 44, 103215.	1.6	7
23	Finite beam element with 22 DOF for curved composite box girders considering torsion, distortion, and biaxial slip. <i>Archives of Civil and Mechanical Engineering</i> , 2020, 20, 1.	1.9	6
24	Characterization of Ultrahigh-Performance Concrete Materials for Application in Modular Construction. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	6
25	Effects of fiber dosage, loading orientation and stress on frequency response of enhanced Carbon Nano-Fiber Aggregates. <i>Composites Part B: Engineering</i> , 2021, 225, 109257.	5.9	6
26	Field experimental investigation on broadband vibration mitigation using metamaterial-based barrier-foundation system. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 155, 107167.	1.9	6
27	Active isolation tests of metamaterial-based barriers and foundation. <i>Engineering Structures</i> , 2022, 260, 114253.	2.6	6
28	Parametric Study on the Structural Behavior and Failure Mechanism of Skewed Inverted-T Bent Caps. <i>Journal of Bridge Engineering</i> , 2020, 25, .	1.4	5
29	Multi-index distortion control of steel-concrete composite tub-girders considering interior cross-frame deformation. <i>Engineering Structures</i> , 2020, 210, 110291.	2.6	5
30	Biaxial steel plated concrete constitutive models for composite structures: Implementation and validation. <i>Journal of Constructional Steel Research</i> , 2021, 177, 106452.	1.7	5
31	Adequately Rigid Cross Beams for Bridge Tower Designs. <i>Journal of Bridge Engineering</i> , 2019, 24, .	1.4	4
32	Biaxial Constitutive Models for Simulation of Low-Aspect-Ratio Reinforced Concrete Shear Walls. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	3
33	High-fidelity finite element simulation of non-contact splices in column-drilled shaft connections. <i>Engineering Structures</i> , 2021, 239, 112186.	2.6	1
34	Experimental study and model of steel plate concrete composite members under tension. <i>Journal of Constructional Steel Research</i> , 2021, 185, 106818.	1.7	1
35	Finite-Element Simulation and Cost-Benefit Analysis of Full-Scale Skewed Inverted-T Bridge Caps with Traditional and Skew Reinforcements. <i>Journal of Bridge Engineering</i> , 2022, 27, .	1.4	1
36	Correlation of Impedance and Compressive Stress of Carbon Nanofiber Aggregates for Structural Health Monitoring. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Formulation and calibration of two-dimensional constitutive models for composite structures based on panel tests. <i>Journal of Building Engineering</i> , 2021, 44, 103225.	1.6	0
38	Theoretical study on the confine-stiffening effect and fractal cracking of square concrete filled steel tubes in tension loads. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 1317-1336.	1.2	0