

Yong Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3421223/publications.pdf>

Version: 2024-02-01

71
papers

2,417
citations

201385

27
h-index

205818

48
g-index

72
all docs

72
docs citations

72
times ranked

1629
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic increase factor (DIF) for concrete in compression and tension in FE modelling with a local concrete model. <i>International Journal of Impact Engineering</i> , 2022, 163, 104079.	2.4	9
2	Mesoscopic investigation of the dynamic tensile behaviour of concrete from spalling test and implication on interpretation of test data. <i>International Journal of Impact Engineering</i> , 2022, 162, 104139.	2.4	5
3	Microstructure-Based Equivalent Visco-Hyperelastic Model of Viscoelastic Damper. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	6
4	Flexural performance of pretensioned spun concrete piles reinforced with steel strands. <i>Magazine of Concrete Research</i> , 2022, 74, 757-777.	0.9	5
5	Evaluation of Cross-Sectional Deformation in Pipes Using Reflection of Fundamental Guided-Waves. <i>Journal of Engineering Mechanics - ASCE</i> , 2022, 148, .	1.6	10
6	Evaluation of seismic collapse resistance of reinforced concrete frames designed with nonlinear viscous dampers. <i>Structures</i> , 2022, 40, 960-976.	1.7	4
7	Modelling rebar-concrete interaction with an equivalent transition layer. <i>IABSE Symposium Report</i> , 2022, , .	0.0	0
8	Mesoscale modelling of size effect on the evolution of fracture process zone in concrete. <i>Engineering Fracture Mechanics</i> , 2021, 245, 107559.	2.0	30
9	Effects of mechanical nonlinearity of viscoelastic dampers on the seismic performance of viscoelastically damped structures. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 150, 106936.	1.9	12
10	Behavior of Overdeformed Shield Tunnel Lining under Grouting Treatment: Field Experiment. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	3
11	Flexural performance of pretensioned centrifugal spun concrete piles with combined steel strands and reinforcing bars. <i>Structures</i> , 2021, 34, 4467-4485.	1.7	12
12	Mesoscale modelling of concrete under high strain rate tension with a rate-dependent cohesive interface approach. <i>International Journal of Impact Engineering</i> , 2020, 139, 103500.	2.4	29
13	Analytical modeling of corroded RC columns considering flexure-shear interaction for seismic performance assessment. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2165-2190.	2.3	18
14	Experimental study of prefabricated RC column-foundation assemblies with two different connection methods and using large-diameter reinforcing bars. <i>Engineering Structures</i> , 2020, 205, 110075.	2.6	50
15	A state of the art review to enhance the industrial scale waste utilization in sustainable unfired bricks. <i>Construction and Building Materials</i> , 2020, 254, 119220.	3.2	36
16	Impact on Reinforced Concrete Structures. , 2020, , 1309-1332.		1
17	Experimental study of lateral load behavior of H-shaped precast reinforced concrete shear walls with bolted steel connections. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1663.	0.9	10
18	Simplified theoretical model for prediction of catenary action incorporating strength degradation in axially restrained beams. <i>Engineering Structures</i> , 2019, 191, 219-228.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Impact on Reinforced Concrete Structures. , 2019, , 1-24.		1
20	Development of Pressure-Impulse Diagrams for Framed PVB-Laminated Glass Windows. Journal of Structural Engineering, 2019, 145, .	1.7	16
21	Performance Evaluation of Seismic Strengthened Irregular RCâ€“Steel Hybrid Frames. Journal of Performance of Constructed Facilities, 2019, 33, 04018093.	1.0	0
22	Numerical Investigation on the Progressive Collapse Behavior of Precast Reinforced Concrete Frame Subassemblages. Journal of Performance of Constructed Facilities, 2018, 32, .	1.0	52
23	Analysis of robustness of steel frames against progressive collapse. Journal of Constructional Steel Research, 2018, 143, 264-278.	1.7	47
24	A mesoscale interface approach to modelling fractures in concrete for material investigation. Construction and Building Materials, 2018, 165, 608-620.	3.2	50
25	Axial compression behaviour of retrofitted long timber columns. Advances in Structural Engineering, 2018, 21, 445-459.	1.2	2
26	Collapse-Resisting Mechanisms of Planar Trusses Following Sudden Member Loss. Journal of Structural Engineering, 2017, 143, .	1.7	14
27	Experimental study of concrete filled cold-formed steel tubular stub columns. Journal of Constructional Steel Research, 2017, 134, 17-27.	1.7	57
28	3D mesoscale finite element modelling of concrete. Computers and Structures, 2017, 192, 96-113.	2.4	121
29	Experimental study and associated numerical simulation of horizontally connected precast shear wall assembly. Structural Design of Tall and Special Buildings, 2016, 25, 659-678.	0.9	41
30	Experimental study and analysis of inner-stiffened cold-formed SHS steel stub columns. Thin-Walled Structures, 2016, 107, 28-38.	2.7	10
31	Selection of optimal artificial boundary condition (ABC) frequencies for structural damage identification. Journal of Sound and Vibration, 2016, 374, 245-259.	2.1	4
32	Blast test and numerical simulation of point-supported glazing. Advances in Structural Engineering, 2016, 19, 1841-1854.	1.2	8
33	A Compact Experimentally Validated Model of Magnetorheological Fluids. Journal of Vibration and Acoustics, Transactions of the ASME, 2016, 138, .	1.0	22
34	A 3-D perspective of dynamic behaviour of heterogeneous solids. EPJ Web of Conferences, 2015, 94, 04038.	0.1	2
35	Modelling Static and Dynamic FRP-Concrete Bond Behaviour Using a Local Concrete Damage Model. Advances in Structural Engineering, 2015, 18, 45-58.	1.2	24
36	Effect of beam web bolt arrangement on catenary behaviour of moment connections. Journal of Constructional Steel Research, 2015, 104, 22-36.	1.7	68

#	ARTICLE	IF	CITATIONS
37	Critical Speed and Resonance Criteria of Railway Bridge Response to Moving Trains. <i>Journal of Bridge Engineering</i> , 2013, 18, 131-141.	1.4	50
38	Experimental investigation of beam-to-tubular column moment connections under column removal scenario. <i>Journal of Constructional Steel Research</i> , 2013, 88, 244-255.	1.7	77
39	Assessment of robustness of structures: Current state of research. <i>Frontiers of Structural and Civil Engineering</i> , 2013, 7, 356-368.	1.2	46
40	A Comparative Study of Modelling RC Slab Response to Blast Loading with Two Typical Concrete Material Models. <i>International Journal of Protective Structures</i> , 2013, 4, 415-432.	1.4	8
41	BIM Integrated Workflow Management and Monitoring System for Modular Buildings. <i>International Journal of 3-D Information Modeling</i> , 2013, 2, 17-28.	0.2	3
42	A benchmark study of dynamic damage identification of plates. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2012, 165, 103-118.	0.4	6
43	Mesoscopic analysis of concrete under excessively high strain rate compression and implications on interpretation of test data. <i>International Journal of Impact Engineering</i> , 2012, 46, 41-55.	2.4	143
44	Numerical simulation of explosion-induced soil liquefaction and its effect on surface structures. <i>Finite Elements in Analysis and Design</i> , 2011, 47, 1079-1090.	1.7	21
45	Numerical simulation of concrete confined by transverse reinforcement. <i>Computers and Concrete</i> , 2011, 8, 23-41.	0.7	12
46	Mesoscale modelling of concrete for static and dynamic response analysis -Part 1: model development and implementation. <i>Structural Engineering and Mechanics</i> , 2011, 37, 197-213.	1.0	48
47	Mesoscale modelling of concrete for static and dynamic response analysis -Part 2: numerical investigations. <i>Structural Engineering and Mechanics</i> , 2011, 37, 215-231.	1.0	18
48	Analysis of Dynamic Response of Concrete Using a Mesoscale Model Incorporating 3D Effects. <i>International Journal of Protective Structures</i> , 2010, 1, 197-217.	1.4	54
49	Modifications of RHT material model for improved numerical simulation of dynamic response of concrete. <i>International Journal of Impact Engineering</i> , 2010, 37, 1072-1082.	2.4	100
50	Evaluation of typical concrete material models used in hydrocodes for high dynamic response simulations. <i>International Journal of Impact Engineering</i> , 2009, 36, 132-146.	2.4	229
51	An acceleration residual generation approach for structural damage identification. <i>Journal of Sound and Vibration</i> , 2009, 319, 163-181.	2.1	11
52	Prediction of seismic drifts in multi-storey frames with a new storey capacity factor. <i>Engineering Structures</i> , 2009, 31, 345-357.	2.6	14
53	Evaluation of Seismic Damage of Multi-Storey RC Frames with Damage-Based Inelastic Spectra. <i>Advances in Structural Engineering</i> , 2009, 12, 529-546.	1.2	2
54	Numerical analysis of blast-induced liquefaction of soil. <i>Computers and Geotechnics</i> , 2008, 35, 196-209.	2.3	24

#	ARTICLE	IF	CITATIONS
55	Sensitivity of PZT Impedance Sensors for Damage Detection of Concrete Structures. <i>Sensors</i> , 2008, 8, 327-346.	2.1	182
56	Corrections to "A Robust Stochastic Genetic Algorithm (StGA) for Global Numerical Optimization". <i>IEEE Transactions on Evolutionary Computation</i> , 2008, 12, 781-781.	7.5	10
57	A Kalman-filter based time-domain analysis for structural damage diagnosis with noisy signals. <i>Journal of Sound and Vibration</i> , 2006, 297, 916-930.	2.1	29
58	Debris velocity of concrete structures subjected to explosive loading. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2006, 30, 917-926.	1.7	13
59	A novel time-domain auto-regressive model for structural damage diagnosis. <i>Journal of Sound and Vibration</i> , 2005, 283, 1031-1049.	2.1	86
60	Dynamic model updating using a combined genetic-eigensensitivity algorithm and application in seismic response prediction. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 1149-1170.	2.5	8
61	A fuzzy-random analysis model for seismic performance of framed structures incorporating structural and non-structural damage. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 1305-1321.	2.5	13
62	Inelastic behaviour of RC wall-frame with a rocking wall and its analysis incorporating 3-D effect. <i>Structural Design of Tall and Special Buildings</i> , 2005, 14, 15-35.	0.9	12
63	Probabilistic Drift Limits and Performance Evaluation of Reinforced Concrete Columns. <i>Journal of Structural Engineering</i> , 2005, 131, 966-978.	1.7	41
64	A three-phase soil model for simulating stress wave propagation due to blast loading. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 33-56.	1.7	86
65	Numerical prediction of blast-induced stress wave from large-scale underground explosion. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 93-109.	1.7	70
66	Modelling of dynamic behaviour of concrete materials under blast loading. <i>International Journal of Solids and Structures</i> , 2004, 41, 131-143.	1.3	121
67	Numerical Investigation of Effects of Water Saturation on Blast Wave Propagation in Soil Mass. <i>Journal of Engineering Mechanics - ASCE</i> , 2004, 130, 551-561.	1.6	37
68	Modelling damage potential of high-frequency ground motions. <i>Earthquake Engineering and Structural Dynamics</i> , 2003, 32, 1483-1503.	2.5	5
69	Comparative Study of Seismic Behavior of Multistory Reinforced Concrete Framed Structures. <i>Journal of Structural Engineering</i> , 2002, 128, 169-178.	1.7	31
70	Experimental investigation of structural response to generalized ground shock excitations. <i>Experimental Mechanics</i> , 2002, 42, 261-271.	1.1	17
71	New Damage Identification Method for Operational Metro Tunnel Based on Perturbation Theory and Fuzzy Logic. <i>KSCE Journal of Civil Engineering</i> , 0, , 1.	0.9	1