

# Chao Li

## List of Publications by Year in descending order

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64  
papers

1,034  
citations

393982

19  
h-index

476904

29  
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64  
all docs

64  
docs citations

64  
times ranked

665  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic fragility analyses of sea-crossing cable-stayed bridges subjected to multi-support ground motions on offshore sites. <i>Engineering Structures</i> , 2018, 165, 441-456.	2.6	104
2	Theoretical modeling and numerical simulation of seismic motions at seafloor. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 77, 220-225.	1.9	58
3	Interval estimation and optimization for motion trajectory of overhead crane under uncertainty. <i>Nonlinear Dynamics</i> , 2019, 96, 1693-1715.	2.7	53
4	Titanium carbide/zeolite imidazole framework-8/polylactic acid electrospun membrane for near-infrared regulated photothermal/photodynamic therapy of drug-resistant bacterial infections. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 390-403.	5.0	48
5	Modeling and Simulation of Spatially Correlated Ground Motions at Multiple Onshore and Offshore Sites. <i>Journal of Earthquake Engineering</i> , 2017, 21, 359-383.	1.4	45
6	Seismic Fragility Analysis of Reinforced Concrete Bridges with Chloride Induced Corrosion Subjected to Spatially Varying Ground Motions. <i>International Journal of Structural Stability and Dynamics</i> , 2016, 16, 1550010.	1.5	40
7	Cyclic test and numerical study of precast segmental concrete columns with BFRP and TEED. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 3475-3494.	2.3	40
8	Machinery condition prediction based on wavelet and support vector machine. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1045-1055.	4.4	38
9	Performance-Based Seismic Assessment of Superelastic Shape Memory Alloy-Reinforced Bridge Piers Considering Residual Deformations. <i>Journal of Earthquake Engineering</i> , 2017, 21, 1050-1069.	1.4	34
10	Experimental and numerical investigations on seismic responses of reinforced concrete structures considering strain rate effect. <i>Construction and Building Materials</i> , 2018, 173, 672-686.	3.2	32
11	Seismic performance of precast concrete-filled circular tube segmental column under biaxial lateral cyclic loadings. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 271-296.	2.3	31
12	Damage probability analysis of a high-rise building against wind excitation with recorded field data and direction effect. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 184, 10-22.	1.7	29
13	Investigation of the Locked-Unlock Mechanism in Living Anionic Polymerization Realized with $\epsilon$ -(Triisopropoxymethylsilylphenyl)- $\epsilon$ -phenylethylene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16538-16543.		26
14	Sequence Features of Sequence-Controlled Polymers Synthesized by 1,1-Diphenylethylene Derivatives with Similar Reactivity during Living Anionic Polymerization. <i>Macromolecules</i> , 2018, 51, 5891-5903.	2.2	26
15	Experimental research on dynamic mechanical properties of metal tailings porous concrete. <i>Construction and Building Materials</i> , 2019, 213, 20-31.	3.2	26
16	Simulation of multi-support depth-varying earthquake ground motions within heterogeneous onshore and offshore sites. <i>Earthquake Engineering and Engineering Vibration</i> , 2018, 17, 475-490.	1.1	23
17	Experimental and numerical investigations on seismic behavior of hybrid braced precast concrete shear walls. <i>Engineering Structures</i> , 2019, 198, 109560.	2.6	23
18	Vertical-to-horizontal response spectral ratio for offshore ground motions: Analysis and simplified design equation. <i>Journal of Central South University</i> , 2017, 24, 203-216.	1.2	21

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19	Fragility assessment and optimum design of a steel-concrete frame structure with hybrid energy-dissipated devices under multi-hazards of earthquake and wind. <i>Engineering Structures</i> , 2021, 245, 112878.	2.6	21
20	Facile Synthesis of In-chain, Multicomponent, Functionalized Polymers via Living Anionic Copolymerization through the Ugi Four-Component Reaction (Ugi-4CR). <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700353.	2.0	20
21	Optical Multipath RF Self-Interference Cancellation Based on Phase Modulation for Full-Duplex Communication. <i>IEEE Photonics Journal</i> , 2020, 12, 1-14.	1.0	20
22	Well-Tailored Dynamic Liquid Crystal Networks with Anionically Polymerized Styrene-Butadiene Rubbers toward Modulating Shape Memory and Self-Healing Capacity. <i>Macromolecules</i> , 2021, 54, 2691-2702.	2.2	17
23	The investigation on synthesis of periodic polymers with 1,1-diphenylethylene (DPE) derivatives via living anionic polymerization. <i>Polymer</i> , 2019, 169, 95-105.	1.8	15
24	Seismic Performance Assessment of RC Frame Structures Subjected to Far-Field and Near-Field Ground Motions Considering Strain Rate Effect. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850127.	1.5	13
25	Experimental and analytical investigations on new viscoelastic damped joints for seismic mitigation of structures with precast shear walls. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2485.	1.9	13
26	Multihazard fragility assessment of steel-concrete composite frame structures with buckling-restrained braces subjected to combined earthquake and wind. <i>Structural Design of Tall and Special Buildings</i> , 2020, 29, e1746.	0.9	13
27	Seismic response of large-span spatial structures under multi-support and multidimensional excitations including rotational components. <i>Earthquake Engineering and Engineering Vibration</i> , 2021, 20, 141-159.	1.1	13
28	Variation characteristic of drilling force and influence of cutting parameter of SiCp/Al composite thin-walled workpiece. <i>Advances in Manufacturing</i> , 2019, 7, 288-302.	3.2	12
29	Sequence regulation in living anionic terpolymerization of styrene and two categories of 1,1-diphenylethylene (DPE) derivatives. <i>Polymer Chemistry</i> , 2020, 11, 5163-5172.	1.9	12
30	Introducing Mechanochemistry into Rubber Processing: Green-Functionalized Cross-Linking Network of Butadiene Elastomer. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 8053-8058.	3.2	11
31	Evaluation of Temporal and Spatial Ecosystem Services in Dalian, China: Implications for Urban Planning. <i>Sustainability</i> , 2018, 10, 1247.	1.6	10
32	Thermally Controlled On/Off Switch in a Living Anionic Polymerization of 1-Cyclopropylvinylbenzene with an Anion Migrated Ring-Opening Mechanism. <i>Macromolecules</i> , 2020, 53, 9200-9207.	2.2	10
33	Modeling of force-displacement behavior of post-tensioned self-centering concrete connections. <i>Engineering Structures</i> , 2019, 198, 109538.	2.6	9
34	Development of Hysteretic Model with Dynamic Effect and Deterioration for Seismic-Performance Analysis of Reinforced Concrete Structures. <i>Journal of Structural Engineering</i> , 2020, 146, .	1.7	9
35	C5 and C6 Polymerizations by Anion Migrated Ring-Opening of 1-Cyclopropylvinylbenzene and 1-Cyclobutylvinylbenzene. <i>Macromolecules</i> , 2021, 54, 1183-1191.	2.2	9
36	Dynamic Modified Model for RC Columns Based on Experimental Observations and Bayesian Updating Method. <i>Journal of Engineering Mechanics - ASCE</i> , 2019, 145, .	1.6	8

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37	Seismic fragility analysis of transmission towers considering effects of soil-structure interaction and depth-varying ground motion inputs. <i>Bulletin of Earthquake Engineering</i> , 2021, 19, 4311-4337.	2.3	8
38	Synthesis of Alkyne-functionalized Polymers via Living Anionic Polymerization and Investigation of Features during the Post- $\alpha$ -thiol-yne $\beta$ -Click Reaction. <i>Chinese Journal of Polymer Science (English)</i> Tj ETQq0 0 0zgb /Overlock 10 Tf	1.9	7
39	Seismic Response Analyses of Transmission Towers under Multidimensional Ground Motions with Rocking and Torsion Components. <i>Journal of Aerospace Engineering</i> , 2020, 33, .	0.8	7
40	Regulation of <i>cis</i> and <i>trans</i> microstructures of isoprene units in alternating copolymers via $\alpha$ -space-limited $\beta$ -living species in anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 2708-2714.	1.9	7
41	Determination of refractive index increment of synthetic polybutadienes and microstructural control of grafting density and liquid crystalline properties. <i>Polymer Chemistry</i> , 2020, 11, 2559-2567.	1.9	7
42	Living anionic copolymerization of DPE derivatives containing alkynyl with controlled kinetic behaviors and monomer sequence. <i>European Polymer Journal</i> , 2019, 120, 109212.	2.6	6
43	Seismic performance evaluation of large-span offshore cable-stayed bridges under non-uniform earthquake excitations including strain rate effect. <i>Science China Technological Sciences</i> , 2020, 63, 1177-1187.	2.0	6
44	Cooperative and Independent Effect of Modular Functionalization on Mesomorphic Performances and Microphase Separation of Well-Designed Liquid Crystalline Diblock Copolymers. <i>Chemistry - A European Journal</i> , 2020, 26, 11199-11208.	1.7	5
45	Alternating Copolymerization Realized with Alternating Transformation of Anion-Migrated Ring-Opening Polymerization and Anionic Polymerization Mechanisms. <i>Macromolecules</i> , 2021, 54, 7269-7281.	2.2	5
46	Exponential smoothing model for condition monitoring: A case study. , 2013, , .		4
47	Synthesis of monodisperse isomeric oligomers based on <i>meta</i> - and <i>para</i> - and linear/star-monomer precursors with Ugi $\beta$ -hydrosilylation orthogonal cycles. <i>Polymer Chemistry</i> , 2019, 10, 2758-2763.	1.9	4
48	Fragility Analysis of Concrete-Filled Steel Tubular Frame Structures with BRBs under Multiple Earthquakes Considering Strain Rate Effects. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 165.	1.3	4
49	Investigating the effect of grafting density on the surface properties for sequence-determined fluoropolymer films. <i>Polymer Chemistry</i> , 2020, 11, 6206-6214.	1.9	4
50	Experimental investigation on the hysteretic behavior of precast concrete walls with energy-dissipated dry connections. <i>Structural Concrete</i> , 2020, 21, 2836-2853.	1.5	4
51	Machinery condition prediction based on wavelet and support vector machine. , 2013, , .		3
52	Unlocking features of locked-unlocked anionic polymerization. <i>Polymer Chemistry</i> , 2020, 11, 7696-7703.	1.9	3
53	Probabilistic analysis on time-dependent mechanical behavior of post-tensioned self-centering concrete connections. <i>Engineering Structures</i> , 2020, 218, 110856.	2.6	3
54	Synthesis of polymeric topological isomers based on sequential Ugi-4CR and thiol $\beta$ -yne click reactions with sequence-controlled amino-functionalized polymers. <i>Polymer Chemistry</i> , 2020, 11, 1970-1984.	1.9	3

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55	Parametric Study on Seismic Behaviors of a Buried Pipeline Subjected to Underground Spatially Correlated Earthquake Motions. <i>Journal of Earthquake Engineering</i> , 2022, 26, 6329-6351.	1.4	3
56	Regulation of tectonic sequences in chain-folding-directed monodisperse isomeric oligomers precisely tailored by Ugi-hydrosilylation orthogonal cycles. <i>Polymer Chemistry</i> , 2021, 12, 3510-3516.	1.9	2
57	Synthesis and branching structure detection of long-subchain hyperbranched polymers via pyrene-labelled methodology. <i>Polymer</i> , 2022, 240, 124479.	1.8	2
58	Novel Features of 9- <i>α</i> -Methylene-9H-fluorene (MTAE) in Living Anionic Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900052.	1.1	1
59	Investigation on the alternating and gradient anionic copolymerization of 4-methylenethiochromane (META) and isoprene modified with additives. <i>Polymer Journal</i> , 2020, 52, 145-152.	1.3	1
60	Dependence of the Liquid Crystalline Properties on the Exactly Controlled Single-Site Functionalized Density of Mesogens focused on the Alternating Copolymer Model. <i>Polymer Chemistry</i> , 0, , .	1.9	1
61	Influence of connection properties on seismic performance of post-tensioned self-centering concrete frames. <i>Journal of Building Engineering</i> , 2022, 46, 103761.	1.6	1
62	Regulation from gradient to near periodic sequence during anionic copolymerization of styrene and dimethyl-[4-(1-phenyl-vinyl)phenyl]silane (DPE-SiH). <i>Polymer</i> , 2022, 244, 124663.	1.8	1
63	Investigation of the Locked-Unlock Mechanism in Living Anionic Polymerization Realized with 1-(Triisopropoxymethylsilylphenyl)-1-phenylethylene. <i>Angewandte Chemie</i> , 2018, 130, 16776-16781.	1.6	0
64	Fragility Comprehensive Assessment of Low-Rise Cold-Formed Steel Framed Wall Structure Subjected to Wind Load. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.3	0