Hua Yang

List of Publications by Year
in descending order

76 papers	2,102 citations	236925 25 h-index	254184 43 g-index
77 all docs	77 docs citations	77 times ranked	1600 citing authors

#	Article	IF	Citations
1	Aqueous adsorption and removal of organic contaminants by carbon nanotubes. Science of the Total Environment, 2014, 482-483, 241-251.	8.0	318
2	Effects of heating and loading histories on post-fire cooling behaviour of concrete-filled steel tubular columns. Journal of Constructional Steel Research, 2008, 64, 556-570.	3.9	117
3	Post-fire behaviour of reinforced concrete stub columns confined by circular steel tubes. Journal of Constructional Steel Research, 2014, 102, 82-103.	3.9	87
4	Compressive behavior of T-shaped concrete filled steel tubular columns. International Journal of Steel Structures, 2010, 10, 419-430.	1.3	73
5	Effect of elevated temperatures and cooling methods on strength of concrete made with coarse and fine recycled concrete aggregates. Construction and Building Materials, 2019, 210, 540-547.	7.2	70
6	Behaviour of concrete-filled corrugated steel tubes under axial compression. Engineering Structures, 2019, 183, 475-495.	5.3	61
7	Behaviour of concrete-filled cold-formed elliptical hollow sections with varying aspect ratios. Thin-Walled Structures, 2017, 110, 47-61.	5.3	59
8	Residual strength of concrete-filled RHS columns after exposure to the ISO-834 standard fire. Thin-Walled Structures, 2002, 40, 991-1012.	5.3	55
9	Post-fire behaviour of slender reinforced concrete columns confined by circular steel tubes. Thin-Walled Structures, 2015, 87, 12-29.	5.3	53
10	Thermal properties of coarse RCA concrete at elevated temperatures. Applied Thermal Engineering, 2018, 140, 180-189.	6.0	53
11	Rate-dependent constitutive models of S690 high-strength structural steel. Construction and Building Materials, 2019, 198, 597-607.	7.2	52
12	Creep model of concrete with recycled coarse and fine aggregates that accounts for creep development trend difference between recycled and natural aggregate concrete. Cement and Concrete Composites, 2019, 103, 303-317.	10.7	51
13	Residual Strength of Concrete Filled RHS Stub Columns after Exposure to High Temperatures. Advances in Structural Engineering, 2002, 5, 123-134.	2.4	50
14	Performance of concrete-filled RHS columns exposed to fire on 3 sides. Engineering Structures, 2013, 56, 1986-2004.	5.3	49
15	Experimental investigation of concrete-filled square hollow section columns subjected to non-uniform exposure. Engineering Structures, 2013, 48, 292-312.	5.3	48
16	Prevention and treatment effects of edible berries for three deadly diseases: Cardiovascular disease, cancer and diabetes. Critical Reviews in Food Science and Nutrition, 2019, 59, 1903-1912.	10.3	44
17	Stressâ€“strain relationship of coarse RCA concrete exposed to elevated temperatures. Magazine of Concrete Research, 2017, 69, 649-664.	2.0	42
18	Residual cube strength of coarse RCA concrete after exposure to elevated temperatures. Fire and Materials, 2018, 42, 424-435.	2.0	41

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19	Transverse impact behavior of high-strength concrete filled normal-/high-strength square steel tube columns. International Journal of Impact Engineering, 2020, 139, 103512.	5.0	41
20	Behaviours of concrete-filled cold-formed elliptical hollow section beam-columns with varying aspect ratios. Thin-Walled Structures, 2017, 120, 9-28.	5.3	39
21	Residual compressive response of concrete produced with both coarse and fine recycled concrete aggregates after thermal exposure. Construction and Building Materials, 2020, 244, 118397.	7.2	39
22	Post-fire behaviour of eccentrically loaded reinforced concrete columns confined by circular steel tubes. Journal of Constructional Steel Research, 2016, 122, 495-510.	3.9	37
23	Experimental and numerical study on behaviour of square steel tube confined reinforced concrete stub columns after fire exposure. Thin-Walled Structures, 2019, 139, 105-125.	5.3	35
24	Axial behaviour of concrete-filled corrugated steel tubular column embedded with structural steel. Journal of Constructional Steel Research, 2020, 170, 106064.	3.9	34
25	Strain-Rate Effect and Constitutive Models for Q550 High-Strength Structural Steel. Journal of Materials Engineering and Performance, 2019, 28, 6626-6637.	2.5	27
26	ECO-UHPC with High-Volume Class-F Fly Ash: New Insight into Mechanical and Durability Properties. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	26
27	ISO 834 standard fire test and mechanism analysis of square tubed-reinforced-concrete columns. Journal of Constructional Steel Research, 2020, 175, 106316.	3.9	24
28	Analysis of factors related to browning of Dangshan pear (Pyrus spp.) wine. Food Chemistry, 2020, 308, 125665.	8.2	23
29	A continuous dynamic constitutive model for normal- and high-strength structural steels. Journal of Constructional Steel Research, 2022, 192, 107254.	3.9	23
30	Dynamic tensile behavior of S690 high-strength structural steel at intermediate strain rates. Journal of Constructional Steel Research, 2020, 168, 105961.	3.9	20
31	A multiple-step strategy for screening Saccharomyces cerevisiae strains with improved acid tolerance and aroma profiles. Applied Microbiology and Biotechnology, 2020, 104, 3097-3107.	3.6	19
32	The Effect of Blue Light on the Production of Citrinin in Monascus purpureus M9 by Regulating the mraox Gene through lncRNA AOANCR. Toxins, 2019, 11, 536.	3.4	18
33	Association study between genetic polymorphisms in folate metabolism and gastric cancer susceptibility in Chinese Han population: A caseâ€“control study. Molecular Genetics & Genomic Medicine, 2019, 7, e633.	1.2	18
34	Dynamic Mechanical Behavior and Constitutive Models of S890 High-Strength Steel at Intermediate and High Strain Rates. Journal of Materials Engineering and Performance, 2020, 29, 6727-6739.	2.5	18
35	Experimental investigation on concrete-filled corrugated steel tubular column under constant axial load and cyclic load. Engineering Structures, 2021, 248, 113245.	5.3	18
36	The molecular mechanisms of Monascus purpureus M9 responses to blue light based on the transcriptome analysis. Scientific Reports, 2017, 7, 5537.	3.3	17

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37	Physicochemical characterization and quality of Dangshan pear wines fermented with different Saccharomyces cerevisiae. Journal of Food Biochemistry, 2019, 43, e12891.	2.9	17
38	Performance of reinforced concrete-filled steel tubular (RCFST) members subjected to transverse impact loading. Journal of Constructional Steel Research, 2022, 188, 107018.	3.9	17
39	Predicting glass transition temperature of polyethylene/graphene nanocomposites by molecular dynamic simulation. Chemical Research in Chinese Universities, 2013, 29, 788-792.	2.6	16
40	Fire performance of non-load-bearing light-gauge slotted steel stud walls. Journal of Constructional Steel Research, 2017, 137, 228-241.	3.9	16
41	Compressive Stressâ€“Strain Relationship of Concrete Containing Coarse Recycled Concrete Aggregate at Elevated Temperatures. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	16
42	Behavior of concrete-filled steel tubes subjected to axial impact loading. Journal of Constructional Steel Research, 2020, 173, 106245.	3.9	15
43	The production and application of enzymes related to the quality of fruit wine. Critical Reviews in Food Science and Nutrition, 2021, 61, 1605-1615.	10.3	15
44	Behaviours of concentrically and eccentrically loaded square steel tube confined reinforced concrete slender columns after fire exposure. Thin-Walled Structures, 2021, 158, 107155.	5.3	15
45	Life-cycle based analytical theory of concrete-filled steel tubular structures and its applications. Chinese Science Bulletin, 2020, 65, 3173-3184.	0.7	13
46	Mach-Zehnder Interferometer for High Temperature (1000 Â°C) Sensing Based on a Few-Mode Fiber. Photonic Sensors, 2021, 11, 341-349.	5.0	12
47	Structural fire safety design of square and rectangular tubed-reinforced-concrete columns. Structures, 2021, 29, 1286-1321.	3.6	12
48	Experimental behavior of concrete-filled thin-walled corrugated steel tubes with large helical angles under monotonic and cyclic axial compression. Thin-Walled Structures, 2022, 173, 109043.	5.3	12
49	Modulation of the Gut Microbiota and Liver Transcriptome by Red Yeast Rice and Monascus Pigment Fermented by Purple Monascus SHM1105 in Rats Fed with a High-Fat Diet. Frontiers in Pharmacology, 2020, 11, 599760.	3.5	11
50	MicroRNA-132 regulates total protein of Nav1.1 and Nav1.2 in the hippocampus and cortex of rat with chronic cerebral hypoperfusion. Behavioural Brain Research, 2019, 366, 118-125.	2.2	10
51	Axial compressive behaviour of RC columns strengthened with rectangular steel tube and cementitious grout jackets. Structures, 2021, 31, 484-499.	3.6	9
52	Rapid and Sensitive Analysis of Tannins and Monoterpene Glycosides in Radix Paeoniae Alba Products by HPLC-MS. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2232-2245.	1.0	8
53	Virtual and In vitro bioassay screening of phytochemical inhibitors from flavonoids and isoflavones against Xanthine oxidase and Cyclooxygenase-2 for gout treatment. Chemical Biology and Drug Design, 2011, , no-no.	3.2	8
54	Application of Reverse Nonequilibrium Molecular Dynamics to the Calculation of the Mutual Diffusion Coefficient of Alkane Mixtures. Journal of Physical Chemistry B, 2018, 122, 9210-9217.	2.6	8

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55	Uncovering mechanisms of greengage wine fermentation against acidic stress via genomic, transcriptomic, and metabolic analyses of Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 2020, 104, 7619-7629.	3.6	8
56	Fire performance of eccentrically-loaded square and rectangular tubed-reinforced-concrete columns. Structures, 2021, 33, 1053-1076.	3.6	8
57	Fully Atomistic Molecular Dynamics Simulations of the Isothermal Orientation of n-Decanes Confined between Graphene Sheets. Journal of Physical Chemistry C, 2018, 122, 26226-26235.	3.1	7
58	Structural behaviour and design of end-restrained square tubed-reinforced-concrete columns exposed to fire. Journal of Constructional Steel Research, 2021, 182, 106675.	3.9	7
59	Key Compounds and Metabolic Pathway Responsible for the Browning in Dangshan Pear (Pyrus) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	7
60	Removal of anionic dye from aqueous solution by magnesium silicate gel. Desalination and Water Treatment, 2014, 52, 7685-7692.	1.0	5
61	Translocation of alkane through graphene nanopore: A molecular dynamics simulation study. Russian Journal of Physical Chemistry A, 2015, 89, 302-308.	0.6	4
62	Genetic polymorphisms of the drug-metabolizing enzyme CYP2J2 in a Tibetan population. Medicine (United States), 2018, 97, e12579.	1.0	4
63	Molecular dynamics simulation of the folding of single alkane chains with different lengths on single-walled carbon nanotubes and graphene. Journal of Molecular Modeling, 2018, 24, 140.	1.8	4
64	The aromatic volatile composition of Lonicera edulis wines produced with three different strains of Saccharomyces cerevisiae. Journal of the Institute of Brewing, 2019, 125, 100-109.	2.3	4
65	Wind suction effect on long-span stiffened steel truss bridges during erection. Journal of Constructional Steel Research, 2012, 71, 38-51.	3.9	3
66	Characterization of PHB in the gonadal development of the swimming crab Portunus trituberculatus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 240, 110338.	1.6	3
67	Measurement and Calculation Methods of a Stem Image Information. Frontiers of Forestry in China: Selected Publications From Chinese Universities, 2006, 1, 59-63.	0.2	2
68	Extending reverse nonequilibrium molecular dynamics to the calculation of mutual diffusion coefficients in molecular fluid mixtures. Molecular Simulation, 2016, 42, 1379-1384.	2.0	2
69	Effects of 5 antibrowning agents on the color parameters of Dangshan pear (Pyrus spp.) wine during storage. Journal of Food Processing and Preservation, 2022, 46, .	2.0	2
70	Molecular dynamics simulation of isothermal crystallisation of polymer chains around single polymer lamella. Molecular Simulation, 2014, 40, 1059-1066.	2.0	1
71	Molecular Dynamics Simulation on the Scaling Relation of Single Polymer Chain Diffusion on Single Wall Carbon Nanotube. Soft Materials, 2020, 18, 177-184.	1.7	1
72	Comparison of Fire Resistance of Concrete-filled SHS Columns Subjected to 3-sided and 4-sided Exposure. , 2012, , .		1

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73	Notice of Retraction: Effect of Tric Acid on Secondary Metabolism of Monascus. , 2011, , .		0
74	Can optical fiber compete with profile analysis tensiometry in critical micelle concentration measurement?. Zeitschrift Fur Physikalische Chemie, 2021, .	2.8	0
75	Fire Resistance of Concrete-Filled Square Hollow Section Columns in Two-Adjacent-Side Fire. Advanced Science Letters, 2012, 9, 952-956.	0.2	0
76	Structural fire design of square tubed-reinforced-concrete columns with connection to RC beams in composite frames. Journal of Building Engineering, 2022, 57, 104900.	3.4	0