

# Hu Wang

## List of Publications by Year in descending order

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44  
papers

2,530  
citations

304743

22  
h-index

276875

41  
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44  
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44  
docs citations

44  
times ranked

1742  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of n-butanol additive and multi-injection on HD diesel engine performance and emissions. <i>Fuel</i> , 2010, 89, 2191-2201.	6.4	329
2	Development of an n-heptane-n-butanol-PAH mechanism and its application for combustion and soot prediction. <i>Combustion and Flame</i> , 2013, 160, 504-519.	5.2	201
3	Development of a Reduced Primary Reference Fuel Mechanism for Internal Combustion Engine Combustion Simulations. <i>Energy &amp; Fuels</i> , 2013, 27, 7843-7853.	5.1	172
4	A reduced toluene reference fuel chemical kinetic mechanism for combustion and polycyclic-aromatic hydrocarbon predictions. <i>Combustion and Flame</i> , 2015, 162, 2390-2404.	5.2	171
5	Effects of diesel/PODE (polyoxymethylene dimethyl ethers) blends on combustion and emission characteristics in a heavy duty diesel engine. <i>Fuel</i> , 2016, 177, 206-216.	6.4	166
6	Development of a skeletal mechanism for diesel surrogate fuel by using a decoupling methodology. <i>Combustion and Flame</i> , 2015, 162, 3785-3802.	5.2	162
7	Experimental and simulation investigation of the combustion characteristics and emissions using n-butanol/biodiesel dual-fuel injection on a diesel engine. <i>Energy</i> , 2014, 74, 741-752.	8.8	140
8	Development of a reduced n-dodecane-PAH mechanism and its application for n-dodecane soot predictions. <i>Fuel</i> , 2014, 136, 25-36.	6.4	111
9	Paleoseismic evidence and repeat time of large earthquakes at three sites along the Longmenshan fault zone. <i>Tectonophysics</i> , 2010, 491, 141-153.	2.2	110
10	Development of a combined reduced primary reference fuel-alcohols (methanol/ethanol/propanols/butanols/n-pentanol) mechanism for engine applications. <i>Energy</i> , 2016, 114, 542-558.	8.8	90
11	Time-resolved spray, flame, soot quantitative measurement fueling n-butanol and soybean biodiesel in a constant volume chamber under various ambient temperatures. <i>Fuel</i> , 2014, 133, 317-325.	6.4	70
12	Development of a skeletal oxidation mechanism for biodiesel surrogate. <i>Proceedings of the Combustion Institute</i> , 2015, 35, 3037-3044.	3.9	69
13	Development of an n-heptane/toluene/polyaromatic hydrocarbon mechanism and its application for combustion and soot prediction. <i>International Journal of Engine Research</i> , 2013, 14, 434-451.	2.3	59
14	Development of a reduced toluene reference fuel (TRF)-2,5-dimethylfuran-polycyclic aromatic hydrocarbon (PAH) mechanism for engine applications. <i>Combustion and Flame</i> , 2016, 165, 453-465.	5.2	58
15	Paleoseismic events and recurrence interval along the Beichuan-Yingxiu fault of Longmenshan fault zone, Yingxiu, Sichuan, China. <i>Tectonophysics</i> , 2013, 584, 81-90.	2.2	55
16	Effect of combustion regime on in-cylinder heat transfer in internal combustion engines. <i>International Journal of Engine Research</i> , 2016, 17, 331-346.	2.3	51
17	Numerical simulation of cyclic variability in reactivity-controlled compression ignition combustion with a focus on the initial temperature at intake valve closing. <i>International Journal of Engine Research</i> , 2015, 16, 441-460.	2.3	43
18	Kinetic and Numerical Study on the Effects of Di-tert-butyl Peroxide Additive on the Reactivity of Methanol and Ethanol. <i>Energy &amp; Fuels</i> , 2014, 28, 5480-5488.	5.1	41

#	ARTICLE	IF	CITATIONS
19	Numerical Study of the RCCI Combustion Processes Fuelled with Methanol, Ethanol, n-Butanol and Diesel. , 0, , .		40
20	Effects of late intake valve closing (LIVC) and rebreathing valve strategies on diesel engine performance and emissions at low loads. Applied Thermal Engineering, 2016, 98, 310-319.	6.0	37
21	Experimental investigations of gasoline partially premixed combustion with an exhaust rebreathing valve strategy at low loads. Applied Thermal Engineering, 2016, 103, 832-841.	6.0	32
22	Late Quaternary paleoseismic behavior and rupture segmentation of the Yingxiu-Beichuan fault along the Longmen Shan fault zone, China. Tectonics, 2014, 33, 2218-2232.	2.8	31
23	A 3400-year-long paleoseismologic record of earthquakes on the southern segment of Anninghe fault on the southeastern margin of the Tibetan Plateau. Tectonophysics, 2014, 628, 206-217.	2.2	30
24	Holocene palaeoseismologic record of earthquakes on the Zemuhe fault on the southeastern margin of the Tibetan Plateau. Geophysical Journal International, 2013, 193, 11-28.	2.4	23
25	Experimental and Numerical Investigation on Soot Behavior of Soybean Biodiesel under Ambient Oxygen Dilution in Conventional and Low-Temperature Flames. Energy & Fuels, 2014, 28, 2663-2676.	5.1	21
26	An Experimental and Numerical Study on the Effects of Fuel Properties on the Combustion and Emissions of Low-Temperature Combustion Diesel Engines. Combustion Science and Technology, 2014, 186, 1795-1815.	2.3	21
27	Paleoseismic investigation of the seismic gap between the seismogenic structures of the 2008 Wenchuan and 2013 Lushan earthquakes along the Longmen Shan fault zone at the eastern margin of the Tibetan Plateau. Lithosphere, 2015, 7, 14-20.	1.4	21
28	Paleoearthquakes on the Anninghe and Zemuhe fault along the southeastern margin of the Tibetan Plateau and implications for fault rupture behavior at fault bends on strike-slip faults. Tectonophysics, 2017, 721, 167-178.	2.2	21
29	Paleoseismology and kinematic characteristics of the Xiaoyudong rupture, a short but significant strange segment characterized by the May 12, 2008, Mw 7.9 earthquake in Sichuan, China. Tectonophysics, 2013, 584, 91-101.	2.2	20
30	Comparison of Diesel Combustion CFD Models and Evaluation of the Effects of Model Constants. , 0, , .		18
31	Modeling and Application of Fractional-Order Economic Growth Model with Time Delay. Fractal and Fractional, 2021, 5, 74.	3.3	17
32	The Potential of High-load Extension by Using Late Intake Valve Closing for a Diesel Premixed Charge Compression Ignition (PCCI) Engine. Energy Procedia, 2015, 66, 33-36.	1.8	16
33	Construction of Skeletal Oxidation Mechanisms for the Saturated Fatty Acid Methyl Esters from Methyl Butanoate to Methyl Palmitate. Energy & Fuels, 2015, 29, 1076-1089.	5.1	15
34	Evidence for Holocene Activity on the Jiali Fault, an Active Block Boundary in the Southeastern Tibetan Plateau. Seismological Research Letters, 2020, 91, 1776-1780.	1.9	13
35	Reaction Mechanisms and HCCI Combustion Processes of Mixtures of n-Heptane and the Butanols. Frontiers in Mechanical Engineering, 2015, 1, .	1.8	12
36	Oligocene-Early Miocene exhumation and shortening along the Anninghe fault in the southeastern Tibetan Plateau: insights from zircon and apatite (U-Th)/He thermochronology. International Geology Review, 2022, 64, 390-404.	2.1	11

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37	Evidence of Characteristic Earthquakes on Thrust Faults From Paleo-Rupture Behavior Along the Longmenshan Fault System. <i>Tectonics</i> , 2019, 38, 2401-2410.	2.8	9
38	Paleoseismic records of large earthquakes on the cross-basin fault in the Ganyanchi pull-apart basin, Haiyuan fault, northeastern Tibetan Plateau. <i>Natural Hazards</i> , 2014, 71, 1695-1713.	3.4	6
39	Combustion Mode Design with High Efficiency and Low Emissions Controlled by Mixtures Stratification and Fuel Reactivity. <i>Frontiers in Mechanical Engineering</i> , 2015, 1, .	1.8	6
40	A Possible Tectonic Response Between the Qingchuan Fault and the Beichuan-Yingxiu Fault of the Longmen Shan Fault Zone? Evidence From Geologic Observations by Paleoseismic Trenching and Radiocarbon Dating. <i>Tectonics</i> , 2018, 37, 4086-4096.	2.8	6
41	Prediction Accuracy and Efficiency of the <i>n</i> -Heptane Mechanism at Different Reduction Levels. <i>Energy &amp; Fuels</i> , 2016, 30, 6822-6827.	5.1	3
42	Rupture Behavior of the Litang Fault within the Sichuan-Yunnan Active Block, Southeastern Tibetan Plateau. <i>Lithosphere</i> , 2022, 2021, .	1.4	2
43	Quaternary Deposits Affect Coseismic Offset on Thrust Faults: Evidence from the 2008 Mw 7.9 Wenchuan, China, Earthquake. <i>Seismological Research Letters</i> , 2021, 92, 2182-2195.	1.9	1
44	River reversal of the Parlung River at Songzong Town in the eastern Himalayan Syntaxis, Tibetan Plateau. <i>Geological Journal</i> , 2021, 56, 5792.	1.3	0