Minh Bau Luong

List of Publications by Year
in descending order

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		623574	887953
19	587	14	17
papers	citations	h-index	g-index

20	20	20	299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct Numerical Simulation ofÂPreignition and Knock in Engine Conditions. Green Energy and Technology, 2022, , 311-336.	0.4	3
2	Knock propensity in a thermally inhomogeneous DME/air mixture: a DNS study. , 2022, , .		0
3	Prediction of Ignition Modes in Shock Tubes Relevant to Engine Conditions. Energy, Environment, and Sustainability, 2022, , 369-393.	0.6	2
4	Effects of Turbulence and Temperature Fluctuations on Knock Development in an Ethanol/Air Mixture. Flow, Turbulence and Combustion, 2021, 106, 575-595.	1.4	21
5	A statistical analysis of developing knock intensity in a mixture with temperature inhomogeneities. Proceedings of the Combustion Institute, 2021, 38, 5781-5789.	2.4	26
6	Direct numerical simulations of turbulent reacting flows with shock waves and stiff chemistry using many-core/GPU acceleration. Computers and Fluids, 2021, 215, 104787.	1.3	27
7	Exergy loss characteristics of DME/air and ethanol/air mixtures with temperature and concentration fluctuations under HCCI/SCCI conditions: A DNS study. Combustion and Flame, 2021, 226, 334-346.	2.8	15
8	Experimental and computational studies of methanol and ethanol preignition behind reflected shock waves. Combustion and Flame, 2021, 234, 111621.	2.8	19
9	Prediction of ignition modes of NTC-fuel/air mixtures with temperature and concentration fluctuations. Combustion and Flame, 2020, 213, 382-393.	2.8	34
10	Ignition characteristics of a temporally evolving n-heptane jet in an iso-octane/air stream under RCCI combustion-relevant conditions. Combustion and Flame, 2019, 208, 299-312.	2.8	21
11	Prediction of Ignition Regimes in DME/Air Mixtures with Temperature and Concentration Fluctuations. , 2019, , .		7
12	Probabilistic Approach to Predict Abnormal Combustion in Spark Ignition Engines. , 2018, , .		2
13	On the effect of injection timing on the ignition of lean PRF/air/EGR mixtures under direct dual fuel stratification conditions. Combustion and Flame, 2017, 183, 309-321.	2.8	56
14	Ignition of a lean PRF/air mixture under RCCI/SCCI conditions: Chemical aspects. Proceedings of the Combustion Institute, 2017, 36, 3587-3596.	2.4	52
15	Ignition of a lean PRF/air mixture under RCCI/SCCI conditions: A comparative DNS study. Proceedings of the Combustion Institute, 2017, 36, 3623-3631.	2.4	37
16	A DNS study of the ignition of lean PRF/air mixtures with temperature inhomogeneities under high pressure and intermediate temperature. Combustion and Flame, 2015, 162, 717-726.	2.8	60
17	Direct numerical simulations of ignition of a lean n-heptane/air mixture with temperature and composition inhomogeneities relevant to HCCI and SCCI combustion. Combustion and Flame, 2015, 162, 4566-4585.	2.8	63
18	Direct numerical simulations of the ignition of a lean biodiesel/air mixture with temperature and composition inhomogeneities at high pressure and intermediate temperature. Combustion and Flame, 2014, 161, 2878-2889.	2.8	36

#	Article	IF	Citations
19	Direct numerical simulations of the ignition of lean primary reference fuel/air mixtures with temperature inhomogeneities. Combustion and Flame, 2013, 160, 2038-2047.	2.8	103