

# Minh Bau Luong

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

587  
citations

623574

14  
h-index

887953

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct numerical simulations of the ignition of lean primary reference fuel/air mixtures with temperature inhomogeneities. <i>Combustion and Flame</i> , 2013, 160, 2038-2047.	2.8	103
2	Direct numerical simulations of ignition of a lean n-heptane/air mixture with temperature and composition inhomogeneities relevant to HCCI and SCCI combustion. <i>Combustion and Flame</i> , 2015, 162, 4566-4585.	2.8	63
3	A DNS study of the ignition of lean PRF/air mixtures with temperature inhomogeneities under high pressure and intermediate temperature. <i>Combustion and Flame</i> , 2015, 162, 717-726.	2.8	60
4	On the effect of injection timing on the ignition of lean PRF/air/EGR mixtures under direct dual fuel stratification conditions. <i>Combustion and Flame</i> , 2017, 183, 309-321.	2.8	56
5	Ignition of a lean PRF/air mixture under RCCI/SCCI conditions: Chemical aspects. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3587-3596.	2.4	52
6	Ignition of a lean PRF/air mixture under RCCI/SCCI conditions: A comparative DNS study. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 3623-3631.	2.4	37
7	Direct numerical simulations of the ignition of a lean biodiesel/air mixture with temperature and composition inhomogeneities at high pressure and intermediate temperature. <i>Combustion and Flame</i> , 2014, 161, 2878-2889.	2.8	36
8	Prediction of ignition modes of NTC-fuel/air mixtures with temperature and concentration fluctuations. <i>Combustion and Flame</i> , 2020, 213, 382-393.	2.8	34
9	Direct numerical simulations of turbulent reacting flows with shock waves and stiff chemistry using many-core/GPU acceleration. <i>Computers and Fluids</i> , 2021, 215, 104787.	1.3	27
10	A statistical analysis of developing knock intensity in a mixture with temperature inhomogeneities. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5781-5789.	2.4	26
11	Ignition characteristics of a temporally evolving n-heptane jet in an iso-octane/air stream under RCCI combustion-relevant conditions. <i>Combustion and Flame</i> , 2019, 208, 299-312.	2.8	21
12	Effects of Turbulence and Temperature Fluctuations on Knock Development in an Ethanol/Air Mixture. <i>Flow, Turbulence and Combustion</i> , 2021, 106, 575-595.	1.4	21
13	Experimental and computational studies of methanol and ethanol preignition behind reflected shock waves. <i>Combustion and Flame</i> , 2021, 234, 111621.	2.8	19
14	Exergy loss characteristics of DME/air and ethanol/air mixtures with temperature and concentration fluctuations under HCCI/SCCI conditions: A DNS study. <i>Combustion and Flame</i> , 2021, 226, 334-346.	2.8	15
15	Prediction of Ignition Regimes in DME/Air Mixtures with Temperature and Concentration Fluctuations. , 2019, , .		7
16	Direct Numerical Simulation of Preignition and Knock in Engine Conditions. <i>Green Energy and Technology</i> , 2022, , 311-336.	0.4	3
17	Probabilistic Approach to Predict Abnormal Combustion in Spark Ignition Engines. , 2018, , .		2
18	Prediction of Ignition Modes in Shock Tubes Relevant to Engine Conditions. <i>Energy, Environment, and Sustainability</i> , 2022, , 369-393.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Knock propensity in a thermally inhomogeneous DME/air mixture: a DNS study. , 2022, , .		0