

Tali Bar-Kohany

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5890645/publications.pdf>

Version: 2024-02-01

20
papers

586
citations

1040056

9
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Flash-boiling atomization. Progress in Energy and Combustion Science, 2008, 34, 417-439.	31.2	278
2	Optimization of variable valve timing for maximizing performance of an unthrottled SI engine—a theoretical study. Energy, 2002, 27, 757-775.	8.8	80
3	STATE OF THE ART REVIEW OF FLASH-BOILING ATOMIZATION. Atomization and Sprays, 2016, 26, 1259-1305.	0.8	41
4	Transient combustion of a methane-hydrate sphere. Combustion and Flame, 2016, 163, 284-300.	5.2	37
5	A new approach to modelling micro-explosions in composite droplets. International Journal of Heat and Mass Transfer, 2020, 161, 120238.	4.8	34
6	Flame propagation through three-phase methane-hydrate particles. Combustion and Flame, 2018, 193, 25-35.	5.2	27
7	Drop impact on small targets with different target-to-drop diameters ratio. Chemical Engineering Science, 2019, 193, 89-101.	3.8	20
8	Another view of the upper and intermediate explosion limits of a H ₂ -O ₂ system. International Journal of Hydrogen Energy, 2013, 38, 14912-14914.	7.1	13
9	Nucleation temperature under various heating rates. International Journal of Heat and Mass Transfer, 2018, 126, 411-415.	4.8	12
10	SUBSONIC EFFERVESCENT ATOMIZATION: A THEORETICAL APPROACH. , 2004, 14, 495-510.		9
11	Effervescent atomization under sub-sonic and choked conditions—a theoretical approach. Chemical Engineering Science, 2004, 59, 5987-5995.	3.8	6
12	Minimal heating rate for isobaric nucleation at the spinodal in liquids. International Journal of Heat and Mass Transfer, 2021, 165, 120636.	4.8	6
13	Evaluation of the one-step hydrogen-oxygen global reaction rate in a non-premixed mixture to predict auto-ignition limits. International Journal of Hydrogen Energy, 2012, 37, 14669-14675.	7.1	5
14	Transition Mechanism Between Combustion Regions in Swirling Entrained Flow Downer Reactors. Energy & Fuels, 2017, 31, 1927-1934.	5.1	4
15	CHOKED FLOW OF A BUBBLY MIXTURE THROUGH AN EFFERVESCENT AND FLASH-BOILING ATOMIZER: A THEORETICAL APPROACH. , 2007, 17, 431-449.		4
16	Flash boiling atomization triggered and driven by intensive radiation. Thermal Science and Engineering Progress, 2022, 32, 101334.	2.7	3
17	Thermal behaviour of a LiF crystal mounted in a TLD card and heated by jet impingement. Radiation Measurements, 2011, 46, 1432-1435.	1.4	2
18	Optimization of the temperature profiles due to a nitrogen jet impinging on a TLD detector. Radiation Measurements, 2014, 70, 48-51.	1.4	2

#	ARTICLE	IF	CITATIONS
19	A SINGLE SPHERICAL DROP IMPACT ON A FLAT, DRY SURFACE - A UNIFIED CORRELATION. Atomization and Sprays, 2017, 27, 759-770.	0.8	2
20	Lifetime Estimation of Moems Devices. Journal of Electronic Packaging, Transactions of the ASME, 2007, 129, 144-148.	1.8	1