

Eduardo A Fernandez-Tarrazo

List of Publications by Year in descending order

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488
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of the autoignition of isolated wet ethanol droplets immersed in a hot and humid air atmosphere. <i>Combustion and Flame</i> , 2021, 226, 42-52.	2.8	5
2	Theoretical and numerical analysis of the evaporation of mono- and multicomponent single fuel droplets. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	1.4	19
3	Micro-combustion modelling with RBF-FD: A high-order meshfree method for reactive flows in complex geometries. <i>Applied Mathematical Modelling</i> , 2021, 94, 635-655.	2.2	4
4	Unexpected Propagation of Ultra-Lean Hydrogen Flames in Narrow Gaps. <i>Physical Review Letters</i> , 2020, 124, 174501.	2.9	25
5	Modified multipurpose reduced chemistry for ethanol combustion. <i>Combustion and Flame</i> , 2020, 215, 221-223.	2.8	6
6	Analysis of an idealized counter-current microchannel-based reactor to produce hydrogen-rich syngas from methanol. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 23807-23820.	3.8	6
7	Experimental analysis of oscillatory premixed flames in a Hele-Shaw cell propagating towards a closed end. <i>Combustion and Flame</i> , 2019, 201, 1-11.	2.8	50
8	A multipurpose reduced mechanism for ethanol combustion. <i>Combustion and Flame</i> , 2018, 193, 112-122.	2.8	42
9	Multiple combustion regimes and performance of a counter-flow microcombustor with power extraction. <i>Mathematical Modelling of Natural Phenomena</i> , 2018, 13, 52.	0.9	3
10	Regimes of boundary-layer ignition by heat release from a localized energy source. <i>Proceedings of the Combustion Institute</i> , 2017, 36, 1467-1473.	2.4	2
11	Minimum ignition energy of methanol-air mixtures. <i>Combustion and Flame</i> , 2016, 171, 234-236.	2.8	14
12	A multipurpose reduced chemical-kinetic mechanism for methanol combustion. <i>Combustion Theory and Modelling</i> , 2016, 20, 613-631.	1.0	19
13	The chemistry involved in the third explosion limit of H ₂ -O ₂ mixtures. <i>Combustion and Flame</i> , 2014, 161, 111-117.	2.8	45
14	Hydrogen-air mixing-layer ignition at temperatures below crossover. <i>Combustion and Flame</i> , 2013, 160, 1981-1989.	2.8	12
15	Ignition time of hydrogen-air diffusion flames. <i>Comptes Rendus - Mecanique</i> , 2012, 340, 882-893.	2.1	8
16	Flammability conditions for ultra-lean hydrogen premixed combustion based on flame-ball analyses. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1813-1825.	3.8	18
17	Pinch-off in forced and non-forced, buoyant laminar jet diffusion flames. <i>Combustion and Flame</i> , 2012, 159, 161-169.	2.8	27
18	The structure of lean hydrogen-air flame balls. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1203-1210.	2.4	17

#	ARTICLE	IF	CITATIONS
19	Experimental and numerical study of premixed flame flashback. Proceedings of the Combustion Institute, 2007, 31, 1275-1282.	2.4	78
20	Liftoff and blowoff of a diffusion flame between parallel streams of fuel and air. Combustion and Flame, 2006, 144, 261-276.	2.8	37
21	A simple one-step chemistry model for partially premixed hydrocarbon combustion. Combustion and Flame, 2006, 147, 32-38.	2.8	145
22	LIFTED LAMINAR JET DIFFUSION FLAMES. Combustion Science and Technology, 2005, 177, 933-953.	1.2	13
23	Flame spread over solid fuels in opposite natural convection. Proceedings of the Combustion Institute, 2002, 29, 219-225.	2.4	7
24	The anchoring of gaseous jet diffusion flames in stagnant air. Aerospace Science and Technology, 2002, 6, 507-516.	2.5	6
25	Lewis number effect on the propagation of premixed laminar flames in narrow open ducts. Combustion and Flame, 2002, 128, 382-394.	2.8	80
26	Flame flashback and propagation of premixed flames near a wall. Proceedings of the Combustion Institute, 2000, 28, 1883-1889.	2.4	67
27	Diffusion flame attachment and lift-off in the near wake of a fuel injector. Proceedings of the Combustion Institute, 2000, 28, 2125-2131.	2.4	29
28	Heat Transfer From a Circular Cylinder at Low Reynolds Numbers. Journal of Heat Transfer, 1998, 120, 72-75.	1.2	19