

# Shinji Nakaya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11697442/publications.pdf>

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14  
papers

367  
citations

840776

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1125743

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14  
docs citations

14  
times ranked

187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame spread over horizontal and vertical wires: The role of dripping and core. Fire Safety Journal, 2017, 91, 112-122.	3.1	67
2	Effect of insulation melting and dripping on opposed flame spread over laboratory simulated electrical wires. Fire Safety Journal, 2018, 95, 1-10.	3.1	50
3	Longitudinal combustion instability of a pintle injector for a liquid rocket engine combustor. Combustion and Flame, 2018, 194, 115-127.	5.2	40
4	Analysis of supersonic combustion characteristics of ethylene/methane fuel mixture on high-speed measurements of CH* chemiluminescence. Proceedings of the Combustion Institute, 2019, 37, 3749-3756.	3.9	35
5	Effects of thermally cracked component of n-dodecane on supersonic combustion behaviors in a scramjet model combustor. Combustion and Flame, 2015, 162, 3847-3853.	5.2	34
6	Combustion Characteristics of Ethanol/Liquid-Oxygen Rocket-Engine Combustor with Planar Pintle Injector. Journal of Propulsion and Power, 2017, 33, 514-521.	2.2	30
7	Experimental investigation of ethylene/air combustion instability in a model scramjet combustor using image-based methods. Proceedings of the Combustion Institute, 2021, 38, 3869-3880.	3.9	25
8	Numerical Investigation of the Effects of Nonuniform Premixing on Shock-Induced Combustion. AIAA Journal, 2016, 54, 1682-1692.	2.6	17
9	Fundamental Combustion Characteristics of Ethanol/Liquid Oxygen Rocket Engine Combustor with Planar Pintle-type Injector. Transactions of the Japan Society for Aeronautical and Space Sciences, 2015, 58, 15-22.	0.7	16
10	Laser piloted ignition of electrical wire in microgravity. Proceedings of the Combustion Institute, 2019, 37, 4211-4219.	3.9	15
11	Opposed-Flow Flame Spread and Extinction in Electric Wires: The Effects of Gravity, External Radiant Heat Flux, and Wire Characteristics on Wire Flammability. Fire Technology, 2020, 56, 131-148.	3.0	14
12	Optical Measurements of Ethanol/Liquid Oxygen Rocket Engine Combustor with Planar Pintle Injector. , 2015, , .		12
13	Numerical study of self-sustained oblique detonation in a non-uniform mixture. Proceedings of the Combustion Institute, 2021, 38, 3651-3659.	3.9	6
14	Flame spread over polyethylene-insulated copper and stainless-steel wires at high pressure. Fire Safety Journal, 2021, 120, 103062.	3.1	6