

Mara de Joannon

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4876686/mara-de-joannon-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

2,478
citations

25
h-index

49
g-index

73
ext. papers

3,025
ext. citations

5.5
avg, IF

5.38
L-index

#	Paper	IF	Citations
71	New insight into NH ₃ -H ₂ mutual inhibiting effects and dynamic regimes at low-intermediate temperatures. <i>Combustion and Flame</i> , 2022 , 111957	5.3	2
70	Ammonia/Methane combustion: Stability and NO _x emissions. <i>Combustion and Flame</i> , 2022 , 241, 112071	5.3	2
69	Easy tuning of nanotexture and N doping of carbonaceous particles produced by spark discharge. <i>Carbon Trends</i> , 2021 , 5, 100134	0	1
68	Reactive Structures of Ammonia MILD Combustion in Diffusion Ignition Processes. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	1
67	Mini-Review: Heat Transfer Mechanisms in MILD Combustion Systems. <i>Frontiers in Mechanical Engineering</i> , 2021 , 7,	2.6	2
66	Ammonia oxidation regimes and transitional behaviors in a Jet Stirred Flow Reactor. <i>Combustion and Flame</i> , 2021 , 228, 388-400	5.3	3
65	Thermo-chemical manifold reduction for tabulated chemistry modeling. Temperature and dilution constraints for smooth combustion reactors. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 5393-5402	5.9	7
64	Influence of water addition on MILD ammonia combustion performances and emissions. <i>Proceedings of the Combustion Institute</i> , 2021 , 38, 5147-5154	5.9	21
63	Alcohols as Energy Carriers in MILD Combustion. <i>Energy & Fuels</i> , 2021 , 35, 7253-7264	4.1	5
62	Review on Ammonia as a Potential Fuel: From Synthesis to Economics. <i>Energy & Fuels</i> , 2021 , 35, 6964-7029	4.1	95
61	Diffusion Ignition Processes in MILD Combustion: A Mini-Review. <i>Frontiers in Mechanical Engineering</i> , 2020 , 6,	2.6	7
60	On H ₂ O ₂ oxidation in several bath gases. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 8151-8167	6.7	10
59	Critical Issues of Chemical Kinetics in MILD Combustion. <i>Frontiers in Mechanical Engineering</i> , 2020 , 6,	2.6	8
58	Ammonia oxidation features in a Jet Stirred Flow Reactor. The role of NH ₂ chemistry.. <i>Fuel</i> , 2020 , 276, 118054	7.1	15
57	The role of dilution level and canonical configuration in the modeling of MILD combustion systems with internal recirculation. <i>Fuel</i> , 2020 , 264, 116840	7.1	15
56	Oxidation and pyrolysis of ammonia mixtures in model reactors. <i>Fuel</i> , 2020 , 264, 116768	7.1	23
55	Mutual inhibition effect of hydrogen and ammonia in oxidation processes and the role of ammonia as a strong collider in third-molecular reactions. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 32113-32127	6.7	8

54	Effects of Bath Gas and NO _x Addition on n-Pentane Low-Temperature Oxidation in a Jet-Stirred Reactor. <i>Energy & Fuels</i> , 2019 , 33, 5655-5663	4.1	12
53	Low-NO _x conversion of pure ammonia in a cyclonic burner under locally diluted and preheated conditions. <i>Applied Energy</i> , 2019 , 254, 113676	10.7	47
52	Fuel and thermal load flexibility of a MILD burner. <i>Proceedings of the Combustion Institute</i> , 2019 , 37, 4543-4554	3.2	12
51	Thermochemical oscillation of methane MILD combustion diluted with N ₂ /CO ₂ /H ₂ O. <i>Combustion Science and Technology</i> , 2019 , 191, 68-80	1.5	9
50	Propane oxidation in a Jet Stirred Flow Reactor. The effect of H ₂ O as diluent species. <i>Experimental Thermal and Fluid Science</i> , 2018 , 95, 35-43	3	17
49	Optimization of Chemical Kinetics for Methane and Biomass Pyrolysis Products in Moderate or Intense Low-Oxygen Dilution Combustion. <i>Energy & Fuels</i> , 2018 , 32, 10194-10201	4.1	12
48	Oscillatory Behavior in Methane Combustion: Influence of the Operating Parameters. <i>Energy & Fuels</i> , 2018 , 32, 10088-10099	4.1	15
47	Introduction of the Special Issue on SMARTCATs COST Action. <i>Energy & Fuels</i> , 2018 , 32, 10051-10054	1.1	4
46	Removal of Very Small Submicrometric Particles by Water Nucleation: Effects of Chemical/Physical Properties of Particles. <i>Energy & Fuels</i> , 2018 , 32, 10285-10294	4.1	5
45	Numerical Investigation of Moderate or Intense Low-Oxygen Dilution Combustion in a Cyclonic Burner Using a Flamelet-Generated Manifold Approach. <i>Energy & Fuels</i> , 2018 , 32, 10242-10255	4.1	24
44	Influence of preheating and thermal power on cyclonic burner characteristics under mild combustion. <i>Fuel</i> , 2018 , 233, 207-214	7.1	38
43	Small size burner combustion stabilization by means of strong cyclonic recirculation. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 3361-3369	5.9	31
42	Impact of external operating parameters on the performance of a cyclonic burner with high level of internal recirculation under MILD combustion conditions. <i>Energy</i> , 2017 , 137, 1167-1174	7.9	39
41	An experimental and numerical study of MILD combustion in a Cyclonic burner. <i>Energy Procedia</i> , 2017 , 120, 649-656	2.3	17
40	Distributed combustion in a cyclonic burner 2017 ,		1
39	Numerical investigation of the ignition and annihilation of CH ₄ /N ₂ /O ₂ mixtures under MILD operative conditions with detailed chemistry. <i>Combustion Theory and Modelling</i> , 2017 , 21, 120-136	1.5	11
38	The Effect of Diluent on the Sustainability of MILD Combustion in a Cyclonic Burner. <i>Flow, Turbulence and Combustion</i> , 2016 , 96, 449-468	2.5	48
37	H ₂ O and CO ₂ Dilution in MILD Combustion of Simple Hydrocarbons. <i>Flow, Turbulence and Combustion</i> , 2016 , 96, 433-448	2.5	43

36	Highly Preheated Lean Combustion 2016 , 63-109		2
35	Experimental study of the effect of CO ₂ on propane oxidation in a Jet Stirred Flow Reactor. <i>Fuel</i> , 2016 , 184, 876-888	7.1	15
34	Effects of mixture composition, dilution level and pressure on auto-ignition delay times of propane mixtures. <i>Chemical Engineering Journal</i> , 2015 , 277, 324-333	14.7	14
33	Development of a Novel Cyclonic Flow Combustion Chamber for Achieving MILD/Flameless Combustion. <i>Energy Procedia</i> , 2015 , 66, 141-144	2.3	18
32	CO ₂ and H ₂ O effect on propane auto-ignition delay times under mild combustion operative conditions. <i>Combustion and Flame</i> , 2015 , 162, 533-543	5.3	76
31	Autoignition delay times of propane mixtures under MILD conditions at atmospheric pressure. <i>Combustion and Flame</i> , 2014 , 161, 3022-3030	5.3	31
30	Heterogeneous nucleation activation in a condensational scrubber for particulate abatement. <i>Fuel Processing Technology</i> , 2013 , 107, 113-118	7.2	18
29	Methane auto-ignition delay times and oxidation regimes in MILD combustion at atmospheric pressure. <i>Combustion and Flame</i> , 2013 , 160, 47-55	5.3	45
28	Optimal post-combustion conditions for the purification of CO ₂ -rich exhaust streams from non-condensable reactive species. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 318-326	14.7	11
27	Pyrolytic and Oxidative Structures in Hot Oxidant Diluted Oxidant (HODO) MILD Combustion. <i>Combustion Science and Technology</i> , 2012 , 184, 1207-1218	1.5	48
26	Modeling Negative Temperature Coefficient region in methane oxidation. <i>Fuel</i> , 2012 , 91, 238-245	7.1	34
25	MILD combustion in diffusion-controlled regimes of Hot Diluted Fuel. <i>Combustion and Flame</i> , 2012 , 159, 1832-1839	5.3	112
24	MILD Combustion 2010 , 237		6
23	A Comprehensive Kinetic Modeling of Ignition of Syngas/Air Mixtures at Low Temperatures and High Pressures. <i>Combustion Science and Technology</i> , 2010 , 182, 692-701	1.5	9
22	PYROLYTIC AND OXIDATIVE STRUCTURES IN HDDI MILD COMBUSTION. <i>International Journal of Energy for A Clean Environment</i> , 2010 , 11, 21-34	1.5	3
21	Numerical study of mild combustion in hot diluted diffusion ignition (HDDI) regime. <i>Proceedings of the Combustion Institute</i> , 2009 , 32, 3147-3154	5.9	58
20	Highly Preheated Lean Combustion 2008 , 55-94		9
19	Hydrogen-enriched methane Mild Combustion in a well stirred reactor. <i>Experimental Thermal and Fluid Science</i> , 2007 , 31, 469-475	3	61

18	Mild Combustion in Homogeneous Charge Diffusion Ignition (HCDI) regime. <i>Proceedings of the Combustion Institute</i> , 2007 , 31, 3409-3416	5.9	54
17	VOC destruction by water diluted hydrogen mild combustion. <i>Chemosphere</i> , 2007 , 68, 330-7	8.4	16
16	DILUTION EFFECTS IN NATURAL GAS MILD COMBUSTION. <i>Clean Air</i> , 2006 , 7, 127-139		3
15	Analysis of process parameters for steady operations in methane mild combustion technology. <i>Proceedings of the Combustion Institute</i> , 2005 , 30, 2605-2612	5.9	94
14	Mild Combustion. <i>Progress in Energy and Combustion Science</i> , 2004 , 30, 329-366	33.6	833
13	DYNAMIC BEHAVIOR OF METHANE OXIDATION IN PREMIXED FLOW REACTOR. <i>Combustion Science and Technology</i> , 2004 , 176, 769-783	1.5	28
12	Spectroscopic behavior of oxygenated combustion by-products. <i>Chemosphere</i> , 2003 , 51, 1071-7	8.4	9
11	REACTOR CHARACTERISTICS RELATED TO MODERATE OR INTENSE LOW-OXYGEN DILUTION FOR CLEAN/CLEANING COMBUSTION PLANTS. <i>Clean Air</i> , 2003 , 4, 1-20		5
10	Dependence of autoignition delay on oxygen concentration in mild combustion of high molecular weight paraffin. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 1139-1146	5.9	27
9	The relation between ultraviolet-excited fluorescence spectroscopy and aromatic species formed in rich laminar ethylene flames. <i>Combustion and Flame</i> , 2001 , 125, 1225-1229	5.3	32
8	Fluorescence spectroscopy of aromatic species produced in rich premixed ethylene flames. <i>Chemosphere</i> , 2001 , 42, 835-41	8.4	40
7	Identification of oxygenated compounds in combustion systems. <i>Chemosphere</i> , 2001 , 42, 843-51	8.4	7
6	Zero-dimensional analysis of diluted oxidation of methane in rich conditions. <i>Proceedings of the Combustion Institute</i> , 2000 , 28, 1639-1646	5.9	70
5	Laser Excited Emission and Chemiluminescence from Autoigniting Spray. <i>Combustion Science and Technology</i> , 2000 , 155, 129-147	1.5	13
4	Mild Combustion: Process Features and Technological Constrains. <i>Combustion Science and Technology</i> , 2000 , 153, 33-50	1.5	36
3	AIR DILUTION EFFECTS ON TETRADECANE SPRAY AUTOIGNITION IN TRANSCRITICAL AND SUPERCRITICAL REGIMES. <i>Atomization and Sprays</i> , 1999 , 9, 153-172	1.2	4
2	Analysis of pyrolysis process in diesel-like combustion by means of laser-induced fluorescence. <i>Proceedings of the Combustion Institute</i> , 1996 , 26, 2525-2531		1
1	MILD Combustion and Biofuels: A Minireview. <i>Energy & Fuels</i> ,	4.1	6

