

Christopher B Reuter

List of Publications by Year in descending order

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33
papers

773
citations

687363

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23
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all docs

33
docs citations

33
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma Assisted Low Temperature Combustion. Plasma Chemistry and Plasma Processing, 2016, 36, 85-105.	2.4	130
2	Dynamics of cool flames. Progress in Energy and Combustion Science, 2019, 75, 100787.	31.2	119
3	Experimental study of the dynamics and structure of self-sustaining premixed cool flames using a counterflow burner. Combustion and Flame, 2016, 166, 125-132.	5.2	87
4	Numerical simulations of premixed cool flames of dimethyl ether/oxygen mixtures. Combustion and Flame, 2015, 162, 3580-3588.	5.2	77
5	Study of the low-temperature reactivity of large n-alkanes through cool diffusion flame extinction. Combustion and Flame, 2017, 179, 23-32.	5.2	56
6	Counterflow flame experiments and chemical kinetic modeling of dimethyl ether/methane mixtures. Combustion and Flame, 2018, 196, 1-10.	5.2	56
7	Flame structure and ignition limit of partially premixed cool flames in a counterflow burner. Proceedings of the Combustion Institute, 2017, 36, 1513-1522.	3.9	41
8	Low-temperature multistage warm diffusion flames. Combustion and Flame, 2018, 195, 63-74.	5.2	28
9	Study of ignition chemistry on turbulent premixed flames of n-heptane/air by using a reactor assisted turbulent slot burner. Combustion and Flame, 2016, 169, 19-29.	5.2	27
10	Thermo-kinetic dynamics of near-limit cool diffusion flames. Proceedings of the Combustion Institute, 2017, 36, 1329-1337.	3.9	19
11	On the chemical characteristics and dynamics of n-alkane low-temperature multistage diffusion flames. Proceedings of the Combustion Institute, 2019, 37, 1717-1724.	3.9	17
12	Dynamics and burning limits of near-limit hot, warm, and cool diffusion flames of dimethyl ether at elevated pressures. Proceedings of the Combustion Institute, 2019, 37, 1791-1798.	3.9	16
13	Kinetic effects of n-propylbenzene on n-dodecane counterflow nonpremixed cool flames. Combustion and Flame, 2019, 208, 262-272.	5.2	14
14	The radical index and the effect of oxygen concentration on non-premixed cool flame extinction of large n-alkanes. Combustion and Flame, 2021, 231, 111471.	5.2	13
15	Flame enhancement of ethylene/methane mixtures by ozone addition. Proceedings of the Combustion Institute, 2021, 38, 2397-2407.	3.9	12
16	DME/Oxygen wall-stabilized premixed cool flame. Proceedings of the Combustion Institute, 2019, 37, 1749-1756.	3.9	11
17	Kinetic effects of NO addition on n-dodecane cool and warm diffusion flames. Proceedings of the Combustion Institute, 2021, 38, 2351-2360.	3.9	10
18	Turbulent nonpremixed cool flames: Experimental measurements, Direct Numerical Simulation, and manifold-based combustion modeling. Combustion and Flame, 2019, 209, 144-154.	5.2	9

#	ARTICLE	IF	CITATIONS
19	Transient interactions between a premixed double flame and a vortex. Proceedings of the Combustion Institute, 2019, 37, 1851-1859.	3.9	7
20	Studies of autoignition-assisted nonpremixed cool flames. Proceedings of the Combustion Institute, 2021, 38, 2333-2340.	3.9	7
21	Flame Dynamics and Structures of Partially Premixed Cool Flames. , 2016, , .		4
22	Numerical Simulations of Ozone Addition to Strained Flames. Combustion Science and Technology, 2022, 194, 3225-3245.	2.3	4
23	Ozone-Enhanced Flame Propagation of Methane/Ethylene/Air Mixtures at Subatmospheric Pressures. Journal of Propulsion and Power, 2020, 36, 931-939.	2.2	3
24	Counterflow Experiments and Kinetic Modeling of Dimethyl Ether/Methane Cool Diffusion Flames. , 2018, , .		2
25	Numerical Simulations of Cool Flame Propagation Limits and Speeds at Elevated Pressures. , 2016, , .		1
26	Experimental Investigation of the Stabilization and Structure of Turbulent Cool Diffusion Flames. , 2018, , .		1
27	Effects of vitiation on the shock-induced combustion of hydrogen-air mixtures. International Journal of Hydrogen Energy, 2022, 47, 12015-12023.	7.1	1
28	Can ozonolysis reactions influence detonations?. Shock Waves, 0, , .	1.9	1
29	The effect of radiation on the dynamics of near limit cool flames and hot flames. , 2017, , .		0
30	Effects of n-Alkane Chain Length on Cool Diffusion Flames. , 2017, , .		0
31	On low-temperature ether multistage flames. , 2018, , .		0
32	Ozone-Enhanced Flame Propagation of Alkane/Alkene/Air Mixtures. , 2020, , .		0
33	Burner Platform for the Investigation of Ozonolysis-Assisted Flame Speeds. Energy & Fuels, 2021, 35, 19717-19724.	5.1	0