

Comprehensive H₂/O₂ kinetic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Verification, Validation, and Testing of Kinetic Mechanisms of Hydrogen Combustion in Fluid-Dynamic Computations. ISRN Mechanical Engineering, 2012, 2012, 1-11.	0.9	7
2	On the extinction characteristics of alcohol droplet combustion under microgravity conditions – A numerical study. Combustion and Flame, 2012, 159, 3208-3223.	5.2	31
3	Uncertainty propagation of chemical kinetics parameters and binary diffusion coefficients in predicting extinction limits of hydrogen/oxygen/nitrogen non-premixed flames. Combustion Theory and Modelling, 2012, 16, 1029-1052.	1.9	21
4	Effects of N ₂ O addition on the ignition of H ₂ -O ₂ mixtures: Experimental and detailed kinetic modeling study. International Journal of Hydrogen Energy, 2012, 37, 15393-15405.	7.1	53
5	Effect of binary diffusion and chemical kinetic parameter uncertainties in simulations of premixed and non-premixed laminar hydrogen flames. Combustion and Flame, 2012, 159, 3522-3529.	5.2	19
6	Large Eddy Simulations of Hydrogen Oxidation at Ultra-Wet Conditions in a Model Gas Turbine Combustor Applying Detailed Chemistry. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	1.1	23
7	Ignition and kinetic modeling of methane and ethane fuel blends with oxygen: A design of experiments approach. Combustion and Flame, 2013, 160, 1153-1167.	5.2	117
8	An experimental and kinetic modeling study of 2-methyltetrahydrofuran flames. Combustion and Flame, 2013, 160, 2729-2743.	5.2	60
9	An experimental and kinetic modelling study of n-butyl formate combustion. Combustion and Flame, 2013, 160, 2680-2692.	5.2	11
10	Direct In Situ Quantification of HO ₂ from a Flow Reactor. Journal of Physical Chemistry Letters, 2013, 4, 872-876.	4.6	42
11	Turbulent Flame Speed as an Indicator for Flashback Propensity of Hydrogen-Rich Fuel Gases. Journal of Engineering for Gas Turbines and Power, 2013, 135, .	1.1	25
12	Accelerating Reactive-Flow Simulations Using Graphics Processing Units. , 2013, , .		1
13	Development of a reduced biodiesel surrogate model for compression ignition engine modeling. Proceedings of the Combustion Institute, 2013, 34, 401-409.	3.9	54
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15	Scaling of turbulent flame speed for expanding flames with Markstein diffusion considerations. Physical Review E, 2013, 88, 033005.	2.1	64
16	A quantitative explanation for the apparent anomalous temperature dependence of OH + HO ₂ = H ₂ O + O ₂ through multi-scale modeling. Proceedings of the Combustion Institute, 2013, 34, 547-555.	3.9	73
17	Flame structure and kinetic studies of carbon dioxide-diluted dimethyl ether flames at reduced and elevated pressures. Combustion and Flame, 2013, 160, 2654-2668.	5.2	95
18	An experimental and detailed chemical kinetic modeling study of hydrogen and syngas mixture oxidation at elevated pressures. Combustion and Flame, 2013, 160, 995-1011.	5.2	589

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19	Effect of pressure on structure and extinction of near-limit hydrogen counterflow diffusion flames. Proceedings of the Combustion Institute, 2013, 34, 881-886.	3.9	33
20	On the influence of singlet oxygen molecules on characteristics of HCCI combustion: A numerical study. Combustion Theory and Modelling, 2013, 17, 579-609.	1.9	29
21	Modelling of OH production in cold atmospheric-pressure He ⁺ H ₂ O plasma jets. Plasma Sources Science and Technology, 2013, 22, 035015.	3.1	44
22	Homogeneous combustion of fuel-lean syngas mixtures over platinum at elevated pressures and preheats. Combustion and Flame, 2013, 160, 155-169.	5.2	38
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24	Uncertainty assessment of species measurements in acetone counterflow diffusion flames. Proceedings of the Combustion Institute, 2013, 34, 813-820.	3.9	33
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40	Spatially-resolved TDLAS measurements of temperature, H ₂ O column density, and velocity in a direct-connect scramjet combustor. , 2014, , .		6
41	The READY program: Building a global potential energy surface and reactive dynamic simulations for the hydrogen combustion. Journal of Computational Chemistry, 2014, 35, 1330-1337.	3.3	4
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57	An updated detailed reaction mechanism for syngas combustion. <i>RSC Advances</i> , 2014, 4, 4564-4585.	3.6	8
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60	Evaluation of Combustion Mechanisms Using Global Uncertainty and Sensitivity Analyses: A Case Study for Low-Temperature Dimethyl Ether Oxidation. <i>International Journal of Chemical Kinetics</i> , 2014, 46, 662-682.	1.6	43
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67	Pressure dependence of mass burning rates in diluent premixed flames of H ₂ /O ₂ at high pressures. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1125-1133.	1.5	1
68	A detailed numerical study of NO _x kinetics in low calorific value H ₂ /CO syngas flames. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17358-17370.	7.1	22
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