

Zuohua Huang

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

485
papers

16,726
citations

65
h-index

102
g-index

501
ext. papers

19,262
ext. citations

5.2
avg, IF

7.01
L-index

#	Paper	IF	Citations
485	Measurements of laminar burning velocities for natural gas/hydrogen/air mixtures. <i>Combustion and Flame</i> , 2006 , 146, 302-311	5.3	407
484	Experimental and numerical study on laminar burning characteristics of premixed methane/hydrogen/air flames. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 4876-4888	6.7	352
483	Emission characteristics of a spark-ignition engine fuelled with gasoline-n-butanol blends in combination with EGR. <i>Fuel</i> , 2012 , 93, 611-617	7.1	270
482	Combustion and emissions of a DI diesel engine fuelled with diesel-oxygenate blends. <i>Fuel</i> , 2008 , 87, 2691-2697	7.1	256
481	An experimental and chemical kinetic modeling study of 1,3-butadiene combustion: Ignition delay time and laminar flame speed measurements. <i>Combustion and Flame</i> , 2018 , 197, 423-438	5.3	240
480	Experimental and modeling study on ignition delays of lean mixtures of methane, hydrogen, oxygen, and argon at elevated pressures. <i>Combustion and Flame</i> , 2012 , 159, 918-931	5.3	223
479	Experimental and analytical study on biodiesel and diesel spray characteristics under ultra-high injection pressure. <i>International Journal of Heat and Fluid Flow</i> , 2010 , 31, 659-666	2.4	222
478	Experimental study on combustion characteristics of a spark-ignition engine fueled with natural gas/hydrogen blends combining with EGR. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 1035-1044	6.7	220
477	Experimental investigation on regulated and unregulated emissions of a diesel engine fueled with ultra-low sulfur diesel fuel blended with biodiesel from waste cooking oil. <i>Science of the Total Environment</i> , 2009 , 407, 835-46	10.2	216
476	Experimental investigation on performance and emissions of a spark-ignition engine fuelled with natural gas/hydrogen blends combined with EGR. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 528-539	6.7	197
475	Laminar burning velocities and flame instabilities of butanol isomers/air mixtures. <i>Combustion and Flame</i> , 2010 , 157, 2318-2325	5.3	196
474	Effect of n-pentanol addition on the combustion, performance and emission characteristics of a direct-injection diesel engine. <i>Energy</i> , 2014 , 70, 172-180	7.9	178
473	Numerical study of the effect of hydrogen addition on methane/air mixtures combustion. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 1084-1096	6.7	177
472	Combustion behaviors of a direct-injection engine operating on various fractions of natural gas/hydrogen blends. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 3555-3564	6.7	171
471	Combustion characteristics of a direct-injection engine fueled with natural gas/hydrogen blends under different ignition timings. <i>Fuel</i> , 2007 , 86, 381-387	7.1	168
470	Effects of ultra-high injection pressure and micro-hole nozzle on flame structure and soot formation of impinging diesel spray. <i>Applied Energy</i> , 2011 , 88, 1620-1628	10.7	159
469	Laminar flame speeds and ignition delay times of methane/air mixtures at elevated temperatures and pressures. <i>Fuel</i> , 2015 , 158, 1-10	7.1	151

468	Experimental and modeling study of the auto-ignition of n-heptane/n-butanol mixtures. <i>Combustion and Flame</i> , 2013 , 160, 31-39	5.3	151
467	Cycle-by-cycle variations in a spark ignition engine fueled with natural gas/hydrogen blends combined with EGR. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 8405-8414	6.7	151
466	Diesel engine gaseous and particle emissions fueled with diesel/oxygenate blends. <i>Fuel</i> , 2012 , 94, 317-323	5.1	146
465	Effect of spark timing and load on a DISI engine fuelled with 2,5-dimethylfuran. <i>Fuel</i> , 2011 , 90, 449-458	7.1	145
464	Study of cycle-by-cycle variations of a spark ignition engine fueled with natural gas/hydrogen blends. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4876-4883	6.7	144
463	Combustion behaviors of a compression-ignition engine fueled with diesel/methanol blends under various fuel delivery advance angles. <i>Bioresource Technology</i> , 2004 , 95, 331-41	11	134
462	Combustion characteristics of a direct-injection natural gas engine under various fuel injection timings. <i>Applied Thermal Engineering</i> , 2006 , 26, 806-813	5.8	133
461	Laminar burning velocities and combustion characteristics of propane/hydrogen/air premixed flames. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4906-4914	6.7	130
460	Dual-injection: The flexible, bi-fuel concept for spark-ignition engines fuelled with various gasoline and biofuel blends. <i>Applied Energy</i> , 2011 , 88, 2305-2314	10.7	125
459	Experimental and numerical study on laminar burning velocities and flame instabilities of hydrogen/air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 8741-8755	6.7	125
458	Experimental and Numerical Study on Laminar Flame Characteristics of Methane Oxy-fuel Mixtures Highly Diluted with CO ₂ . <i>Energy & Fuels</i> , 2013 , 27, 6231-6237	4.1	124
457	Determination of the laminar burning velocities for mixtures of ethanol and air at elevated temperatures. <i>Applied Thermal Engineering</i> , 2007 , 27, 374-380	5.8	123
456	Characterization of spray and combustion processes of biodiesel fuel injected by diesel engine common rail system. <i>Fuel</i> , 2013 , 104, 838-846	7.1	113
455	Effect of hydrogen addition on early flame growth of lean burn natural gas/air mixtures. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7246-7252	6.7	112
454	Laminar burning velocities and flame instabilities of 2,5-dimethylfuran/air mixtures at elevated pressures. <i>Combustion and Flame</i> , 2011 , 158, 539-546	5.3	108
453	Dynamics of droplet impact on solid surface with different roughness. <i>International Journal of Multiphase Flow</i> , 2017 , 96, 56-69	3.6	103
452	Measurements of laminar burning velocities and onset of cellular instabilities of methane/hydrogen/air flames at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 5574-5584	6.7	102
451	Influence of engine load and speed on regulated and unregulated emissions of a diesel engine fueled with diesel fuel blended with waste cooking oil biodiesel. <i>Fuel</i> , 2016 , 180, 41-49	7.1	101

450	Progress in combustion investigations of hydrogen enriched hydrocarbons. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 195-216	16.2	100
449	Determination, correlation, and mechanistic interpretation of effects of hydrogen addition on laminar flame speeds of hydrocarbon-air mixtures. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 921-928	5.9	98
448	Explosion characteristics of hydrogen-nitrogen-air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 554-561	6.7	90
447	Identification of combustion intermediates in a low-pressure premixed laminar 2,5-dimethylfuran/oxygen/argon flame with tunable synchrotron photoionization. <i>Combustion and Flame</i> , 2009 , 156, 1365-1376	5.3	90
446	Numerical Study on the Effects of Diluents on the Laminar Burning Velocity of Methane-Air Mixtures. <i>Energy & Fuels</i> , 2012 , 26, 4242-4252	4.1	89
445	Study on laminar flame speed and flame structure of syngas with varied compositions using OH-PLIF and spectrograph. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 1636-1643	6.7	88
444	Experimental Study on Engine Performance and Emissions for an Engine Fueled with Natural Gas-Hydrogen Mixtures. <i>Energy & Fuels</i> , 2006 , 20, 2131-2136	4.1	87
443	Engine performance and emissions of a compression ignition engine operating on the diesel-methanol blends. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2004 , 218, 435-447	1.4	87
442	Measurements of laminar burning velocities and Markstein lengths for methanol-air-nitrogen mixtures at elevated pressures and temperatures. <i>Combustion and Flame</i> , 2008 , 155, 358-368	5.3	84
441	A study of the combustion and emission characteristics of compressed-natural-gas direct-injection stratified combustion using a rapid-compression-machine. <i>Combustion and Flame</i> , 2002 , 129, 1-10	5.3	84
440	Spray properties of alternative fuels: A comparative analysis of ethanol-gasoline blends and gasoline. <i>Fuel</i> , 2007 , 86, 1645-1650	7.1	83
439	Experimental and numerical study on lean premixed methane-hydrogen-air flames at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 6951-6960	6.7	81
438	Experimental and modeling study of the effects of adding oxygenated fuels to premixed n-heptane flames. <i>Combustion and Flame</i> , 2012 , 159, 2324-2335	5.3	79
437	Numerical study on laminar burning velocity and NO formation of premixed methane-hydrogen-air flames. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 6545-6557	6.7	78
436	Measurement of laminar burning velocity of dimethyl ether-air premixed mixtures. <i>Fuel</i> , 2007 , 86, 2360-2366	7.6	76
435	Experimental and modeling study on auto-ignition characteristics of methane/hydrogen blends under engine relevant pressure. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 19168-19176	6.7	75
434	Measurements of Laminar Burning Velocities and Markstein Lengths of n-Butanol-Air Premixed Mixtures at Elevated Temperatures and Pressures. <i>Energy & Fuels</i> , 2009 , 23, 4900-4907	4.1	75
433	Effect of equivalence ratio on combustion and emissions of a dual-fuel natural gas engine ignited with diesel. <i>Applied Thermal Engineering</i> , 2019 , 146, 738-751	5.8	75

432	Comparative study on the effect of CO ₂ and H ₂ O dilution on laminar burning characteristics of CO/H ₂ /air mixtures. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3450-3458	6.7	74
431	Comparison of the effect of biodiesel-diesel and ethanol-diesel on the gaseous emission of a direct-injection diesel engine. <i>Atmospheric Environment</i> , 2009 , 43, 2721-2730	5.3	73
430	High methane natural gas/air explosion characteristics in confined vessel. <i>Journal of Hazardous Materials</i> , 2014 , 278, 520-8	12.8	72
429	Laminar burning velocities and flame characteristics of CO/H ₂ /O ₂ /N ₂ mixtures. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 19158-19167	6.7	72
428	Experimental investigation on the effect of n-butanol blending on spray characteristics of soybean biodiesel in a common-rail fuel injection system. <i>Fuel</i> , 2016 , 182, 391-401	7.1	71
427	An experimental investigation on spray, ignition and combustion characteristics of biodiesels. <i>Proceedings of the Combustion Institute</i> , 2011 , 33, 2071-2077	5.9	71
426	High temperature ignition delay times of C5 primary alcohols. <i>Combustion and Flame</i> , 2013 , 160, 520-529	5.3	70
425	Experimental study on the performance of and emissions from a low-speed light-duty diesel engine fueled with n-butanol/diesel and isobutanol/diesel blends. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2013 , 227, 261-271	1.4	70
424	Self-acceleration of cellular flames and laminar flame speed of syngas/air mixtures at elevated pressures. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 18250-18258	6.7	70
423	Measurements of laminar burning velocities and Markstein lengths of propane/hydrogen/air mixtures at elevated pressures and temperatures. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 7274-7285	6.7	68
422	Review on the production methods and fundamental combustion characteristics of furan derivatives. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 1189-1211	16.2	67
421	Dynamics of cycle-to-cycle variations in a natural gas direct-injection spark-ignition engine. <i>Applied Energy</i> , 2011 , 88, 2324-2334	10.7	67
420	Experimental and numerical investigation on diluted DME flames: Thermal and chemical kinetic effects on laminar flame speeds. <i>Fuel</i> , 2012 , 102, 567-573	7.1	65
419	Effect of exhaust gas recirculation on the cycle-to-cycle variations in a natural gas spark ignition engine. <i>Applied Thermal Engineering</i> , 2011 , 31, 2247-2253	5.8	65
418	Combustion characteristics and heat release analysis of a direct injection compression ignition engine fuelled with diesel/dimethyl carbonate blends. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2003 , 217, 595-605	1.4	65
417	Measurements of Laminar Burning Velocities and Markstein Lengths of 2,5-Dimethylfuran/Air Diluent Premixed Flames. <i>Energy & Fuels</i> , 2009 , 23, 4355-4362	4.1	64
416	Shock Tube Measurements and Kinetic Investigation on the Ignition Delay Times of Methane/Dimethyl Ether Mixtures. <i>Energy & Fuels</i> , 2012 , 26, 6720-6728	4.1	59
415	Effect of partially premixed and hydrogen addition on natural gas direct-injection lean combustion. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 9239-9247	6.7	59

414	Flammability limits of hydrogen-enriched natural gas. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 6937-6947	6.7	59
413	Measurements of laminar flame speeds and flame instability analysis of 2-methyl-1-butanol/air mixtures. <i>Fuel</i> , 2013 , 112, 263-271	7.1	58
412	Experimental investigation of regulated and unregulated emissions from a diesel engine fueled with ultralow-sulfur diesel fuel blended with ethanol and dodecanol. <i>Atmospheric Environment</i> , 2008 , 42, 8843-8851	5.3	58
411	Pressure history in the explosion of moist syngas/air mixtures. <i>Fuel</i> , 2016 , 185, 18-25	7.1	57
410	Laminar burning velocities for mixtures of methanol and air at elevated temperatures. <i>Energy Conversion and Management</i> , 2007 , 48, 857-863	10.6	56
409	Experimental investigation on spray and atomization characteristics of diesel/gasoline/ethanol blends in high pressure common rail injection system. <i>Energy</i> , 2016 , 112, 549-561	7.9	56
408	A comparative study of n-propanol, propanal, acetone, and propane combustion in laminar flames. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 795-801	5.9	55
407	Effect of di-n-butyl ether blending with soybean-biodiesel on spray and atomization characteristics in a common-rail fuel injection system. <i>Fuel</i> , 2015 , 140, 116-125	7.1	55
406	An experimental and kinetic modeling study of n-propanol and i-propanol ignition at high temperatures. <i>Combustion and Flame</i> , 2014 , 161, 644-656	5.3	55
405	Laminar burning characteristics of 2,5-dimethylfuran and iso-octane blend at elevated temperatures and pressures. <i>Fuel</i> , 2012 , 95, 234-240	7.1	55
404	Effect of dimethoxy-methane and exhaust gas recirculation on combustion and emission characteristics of a direct injection diesel engine. <i>Fuel</i> , 2011 , 90, 1731-1737	7.1	55
403	Experimental study on particulate emission of a diesel engine fueled with blended ethanol/dodecanol/diesel. <i>Journal of Aerosol Science</i> , 2009 , 40, 101-112	4.3	55
402	Performance and Emissions of a Compression Ignition Engine Fueled with Diesel/Oxygenate Blends for Various Fuel Delivery Advance Angles. <i>Energy & Fuels</i> , 2005 , 19, 403-410	4.1	55
401	Characterization of biogas-hydrogen premixed flames using Bunsen burner. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 13292-13299	6.7	53
400	Experimental and Modeling Study of n-Butanol Oxidation at High Temperature. <i>Energy & Fuels</i> , 2012 , 26, 3368-3380	4.1	53
399	Experimental Study on Emissions of a Spark-Ignition Engine Fueled with Natural Gas/Hydrogen Blends. <i>Energy & Fuels</i> , 2008 , 22, 273-277	4.1	52
398	Study of combustion characteristics of a compression ignition engine fuelled with dimethyl ether. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 1999 , 213, 647-652	1.4	52
397	Laminar Flame Characteristics of iso-Octane/n-Butanol Blend/Air Mixtures at Elevated Temperatures. <i>Energy & Fuels</i> , 2013 , 27, 2327-2335	4.1	51

396	Comparison of the Effect of Biodiesel-Diesel and Ethanol-Diesel on the Particulate Emissions of a Direct Injection Diesel Engine. <i>Aerosol Science and Technology</i> , 2009 , 43, 455-465	3.4	51
395	Effects of the addition of ethanol and cetane number improver on the combustion and emission characteristics of a compression ignition engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2008 , 222, 1077-1087	1.4	51
394	Study of cyclic variations of direct-injection combustion fueled with natural gasHydrogen blends using a constant volume vessel. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 7580-7591	6.7	51
393	Measurement of the instantaneous flame front structure of syngas turbulent premixed flames at high pressure. <i>Combustion and Flame</i> , 2013 , 160, 2434-2441	5.3	50
392	Further study on the ignition delay times of propaneHydrogenOxygenArgon mixtures: Effect of equivalence ratio. <i>Combustion and Flame</i> , 2013 , 160, 2283-2290	5.3	50
391	High-Temperature Ignition Delay Times and Kinetic Study of Furan. <i>Energy & Fuels</i> , 2012 , 26, 2075-2081	4.1	50
390	Investigation on the gaseous and particulate emissions of a compression ignition engine fueled with diesel-dimethyl carbonate blends. <i>Science of the Total Environment</i> , 2011 , 409, 523-9	10.2	50
389	Measurement of laminar burning velocities and Markstein lengths of diluted hydrogen-enriched natural gas. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 507-518	6.7	50
388	Experimental investigation of particulate emissions from a diesel engine fueled with ultralow-sulfur diesel fuel blended with diglyme. <i>Atmospheric Environment</i> , 2010 , 44, 55-63	5.3	50
387	Combustion Characteristics of a Direct-Injection Engine Fueled with Natural GasHydrogen Mixtures. <i>Energy & Fuels</i> , 2006 , 20, 540-546	4.1	50
386	Effect of Methanol Addition into Gasoline on the Combustion Characteristics at Relatively Low Temperatures. <i>Energy & Fuels</i> , 2006 , 20, 84-90	4.1	49
385	Combustion characteristics and heat release analysis of a compression ignition engine operating on a diesel/methanol blend. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2004 , 218, 1011-1024	1.4	48
384	Experimental and numerical study on the effect of composition on laminar burning velocities of H ₂ /CO/N ₂ /CO ₂ /air mixtures. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 18509-18519	6.7	47
383	Laminar Flame Speeds and Flame Instabilities of Pentanol IsomerAir Mixtures at Elevated Temperatures and Pressures. <i>Energy & Fuels</i> , 2013 , 27, 1141-1150	4.1	47
382	The effect of pentanol addition on the particulate emission characteristics of a biodiesel operated diesel engine. <i>Fuel</i> , 2017 , 209, 132-140	7.1	46
381	Combustion and emission characteristics of a compression ignition engine fuelled with DieselDimethoxy methane blends. <i>Energy Conversion and Management</i> , 2006 , 47, 1402-1415	10.6	46
380	Combustion Characteristics of a Direct-Injection Engine Fueled with Natural GasHydrogen Blends under Various Injection Timings. <i>Energy & Fuels</i> , 2006 , 20, 1498-1504	4.1	46
379	Thermal and Chemical Effects of Water Addition on Laminar Burning Velocity of Syngas. <i>Energy & Fuels</i> , 2014 , 28, 3391-3398	4.1	45

378	Measurement on instantaneous flame front structure of turbulent premixed CH ₄ /H ₂ /air flames. <i>Experimental Thermal and Fluid Science</i> , 2014 , 52, 288-296	3	45
377	Experimental investigation on effect of ethanol and di-ethyl ether addition on the spray characteristics of diesel/biodiesel blends under high injection pressure. <i>Fuel</i> , 2018 , 218, 1-11	7.1	44
376	Experimental and kinetic study on ignition delay times of DME/H ₂ /O ₂ /Ar mixtures. <i>Combustion and Flame</i> , 2014 , 161, 735-747	5.3	44
375	Effects of fuel constituents and injection timing on combustion and emission characteristics of a compression-ignition engine fueled with diesel-DMM blends. <i>Proceedings of the Combustion Institute</i> , 2013 , 34, 3013-3020	5.9	44
374	Investigating the effect of hydrogen addition on cyclic variability in a natural gas spark ignition engine: Wavelet multiresolution analysis. <i>Applied Energy</i> , 2011 , 88, 4860-4866	10.7	44
373	Effect of initial pressure on laminar combustion characteristics of hydrogen enriched natural gas. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 3876-3885	6.7	44
372	Effect of Fuel Injection Timing Relative to Ignition Timing on the Natural-Gas Direct-Injection Combustion. <i>Journal of Engineering for Gas Turbines and Power</i> , 2003 , 125, 783-790	1.7	44
371	Kinetic analysis of H ₂ addition effect on the laminar flame parameters of the C ₁₀ -n-alkane-air mixtures: From one step overall assumption to detailed reaction mechanism. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 703-718	6.7	43
370	Flame front structure and burning velocity of turbulent premixed CH ₄ /H ₂ /air flames. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11421-11428	6.7	43
369	Laminar Flame Speeds of DMF/Iso-octane-Air-N ₂ /CO ₂ Mixtures. <i>Energy & Fuels</i> , 2012 , 26, 917-925	4.1	43
368	Laminar Burning Velocities and Markstein Lengths of 2,5-Dimethylfuran-Air Premixed Flames at Elevated Temperatures. <i>Combustion Science and Technology</i> , 2010 , 183, 220-237	1.5	43
367	Performance and Emission Characteristics of Diesel Engines Fueled with Diesel-Dimethoxymethane (DMM) Blends. <i>Energy & Fuels</i> , 2009 , 23, 286-293	4.1	43
366	Experimental and kinetic study of pentene isomers and n-pentane in laminar flames. <i>Proceedings of the Combustion Institute</i> , 2017 , 36, 1279-1286	5.9	42
365	Experimental and modeling study on the influences of methanol on premixed fuel-rich n-heptane flames. <i>Fuel</i> , 2013 , 103, 467-472	7.1	42
364	Combustion and emission characteristics of a spray guided direct-injection spark-ignition engine fueled with natural gas-hydrogen blends. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11155-11163	6.7	42
363	Effects of hydrogen addition on cellular instabilities of the spherically expanding propane flames. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 2483-2487	6.7	42
362	Measurements of Markstein numbers and laminar burning velocities for liquefied petroleum gas-air mixtures. <i>Fuel</i> , 2004 , 83, 1281-1288	7.1	42
361	Experimental study of 2,5-dimethylfuran and 2-methylfuran in a rapid compression machine: Comparison of the ignition delay times and reactivity at low to intermediate temperature. <i>Combustion and Flame</i> , 2016 , 168, 216-227	5.3	42

360	Estimation of 3D flame surface density and global fuel consumption rate from 2D PLIF images of turbulent premixed flame. <i>Combustion and Flame</i> , 2015 , 162, 2087-2097	5.3	41
359	Measurement of Laminar Burning Velocities of Dimethyl Ether/Air Premixed Mixtures with N ₂ and CO ₂ Dilution. <i>Energy & Fuels</i> , 2009 , 23, 735-739	4.1	41
358	Investigation of the Cold-Start Combustion Characteristics of Ethanol/Gasoline Blends in a Constant-Volume Chamber. <i>Energy & Fuels</i> , 2005 , 19, 813-819	4.1	41
357	Shock-Tube Experiments and Kinetic Modeling of 2-Methylfuran Ignition at Elevated Pressure. <i>Energy & Fuels</i> , 2013 , 27, 7809-7816	4.1	40
356	Study on nitrogen diluted propane/air premixed flames at elevated pressures and temperatures. <i>Energy Conversion and Management</i> , 2010 , 51, 288-295	10.6	40
355	Measurements of Markstein Numbers and Laminar Burning Velocities for Natural Gas/Air Mixtures. <i>Energy & Fuels</i> , 2004 , 18, 316-326	4.1	40
354	Flame front structure of turbulent premixed flames of syngas oxyfuel mixtures. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5176-5185	6.7	39
353	Effect of Injection Pressure on Flame and Soot Characteristics of the Biodiesel Fuel Spray. <i>Combustion Science and Technology</i> , 2010 , 182, 1369-1390	1.5	39
352	Study on the performance and emissions of a compression ignition engine fuelled with dimethyl ether. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2000 , 214, 101-106	1.4	39
351	Experimental and Kinetic Studies on Ignition Delay Times of Dimethyl Ether/n-Butane/O ₂ /Ar Mixtures. <i>Energy & Fuels</i> , 2013 , 27, 530-536	4.1	38
350	Experimental and modeling study on ignition delay times of dimethoxy methane/ n -heptane blends. <i>Fuel</i> , 2017 , 189, 350-357	7.1	38
349	Effect of the compression ratio on the performance and combustion of a natural-gas direct-injection engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2009 , 223, 85-98	1.4	38
348	Combustion characteristics of methanol/air and methanol/air/diluent premixed mixtures at elevated temperatures and pressures. <i>Applied Thermal Engineering</i> , 2009 , 29, 2680-2688	5.8	38
347	Combustion Characteristics and Heat Release Analysis of a Spark-Ignited Engine Fueled with Natural Gas/Hydrogen Blends. <i>Energy & Fuels</i> , 2007 , 21, 2594-2599	4.1	38
346	Technical Note: Investigation on emission characteristics of a compression ignition engine with oxygenated fuels and exhaust gas recirculation. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2000 , 214, 503-508	1.4	38
345	Effects of oxygen enrichment on laminar burning velocities and Markstein lengths of CH ₄ /O ₂ /N ₂ flames at elevated pressures. <i>Fuel</i> , 2016 , 184, 466-473	7.1	38
344	Laminar Flame Speeds and Kinetic Modeling of n-Pentanol and Its Isomers. <i>Energy & Fuels</i> , 2015 , 29, 5334-5348	4.1	37
343	Experimental and numerical study of laminar premixed dimethyl ether/methane/air flame. <i>Fuel</i> , 2014 , 136, 37-45	7.1	37

342	Effects of N ₂ Dilution on Laminar Burning Characteristics of Propane/Air Premixed Flames. <i>Energy & Fuels</i> , 2009 , 23, 151-156	4.1	37
341	Characterization of laminar premixed methanol/air flames. <i>Fuel</i> , 2006 , 85, 1346-1353	7.1	37
340	Laminar Flame Characteristics of C ₁₀ -5 Primary Alcohol-Isooctane Blends at Elevated Temperature. <i>Energies</i> , 2016 , 9, 511	3.1	37
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338	Experimental and Kinetic Study on Ignition Delay Times of iso-Butanol. <i>Energy & Fuels</i> , 2014 , 28, 2160-2169	4.1	36
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44	The auto-ignition behaviors of HMX/NC/NG stimulated by heating in a rapid compression machine. <i>Fuel</i> , 2021 , 288, 119693	7.1	2
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42	Specific Heat Ratio of High Methane Fraction Natural Gas/Air in Confined Vessel 2015 ,		1
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40	Numerical study of effects of the intermediates and initial conditions on flame propagation in a real homogeneous charge compression ignition engine. <i>Thermal Science</i> , 2014 , 18, 79-87	1.2	1
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34	An experimental and kinetic modeling study on the low-temperature oxidation, ignition delay time, and laminar flame speed of a surrogate fuel for RP-3 kerosene. <i>Combustion and Flame</i> , 2022 , 237, 111821	5.3	1
33	Planar laser-induced fluorescence thermometry in moderate-temperature flow using OH from photo-dissociation of water vapor. <i>Experiments in Fluids</i> , 2021 , 62, 1	2.5	1
32	Theoretical Study of an Undisclosed Reaction Class: Direct H-Atom Abstraction from Allylic Radicals by Molecular Oxygen. <i>Energies</i> , 2021 , 14, 2916	3.1	1
31	Ab initio kinetics for isomerization reaction of normal-chain hexadiene isomers. <i>Chemical Physics Letters</i> , 2016 , 663, 66-73	2.5	1
30	Theoretical studies on the initial reaction kinetics and mechanisms of -, - and -nitrotoluene. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 4658-4668	3.6	1
29	Study on pressure oscillation characteristics in a constant volume bomb. <i>Combustion and Flame</i> , 2021 , 229, 111387	5.3	1
28	Hierarchical Auto-Ignition and Structure-Reactivity Trends of C ₁₄ 1-Alkenes. <i>Energies</i> , 2021 , 14, 5797	3.1	1
27	A Study on the Effect of Initial Temperature on Combustion Characteristics of RDX Based on the Optical Diagnosis Methods. <i>Energies</i> , 2022 , 15, 2421	3.1	1
26	Effect of confinement ratio on flame structure and blow-off characteristics of swirl flames. <i>Experimental Thermal and Fluid Science</i> , 2022 , 135, 110630	3	1
25	Evaluation of non-ideal piston stopping effects on the adiabatic core and ignition delay time simulation in rapid compression machines. <i>Combustion and Flame</i> , 2020 , 218, 229-233	5.3	0
24	Experimental and chemical kinetic study on the low temperature oxidation of 1,3-butadiene in a jet-stirred reactor. <i>Fuel</i> , 2022 , 315, 123168	7.1	0
23	Experimental Investigation on the Propagation Process of Combustion Wave in the Annular Channel Filled with Acetylene-Air/Oxygen Mixture. <i>Flow, Turbulence and Combustion</i> , 1	2.5	0
22	Experimental and kinetic study on laminar flame speeds of ammonia/syngas/air at a high temperature and elevated pressure. <i>Frontiers in Energy</i> , 1	2.6	0
21	Shock Wave Propagation and Flame Kernel Morphology in Laser-Induced Plasma Ignition of CH ₄ /O ₂ /N ₂ Mixture. <i>Energies</i> , 2021 , 14, 7976	3.1	0
20	Effect of Rotating Gliding Arc Plasma on Lean Blow-Off Limit and Flame Structure of Bluff Body and Swirl-Stabilized Premixed Flames. <i>IEEE Transactions on Plasma Science</i> , 2021 , 1-12	1.3	0
19	POD Scale Analysis of Turbulent Premixed Flame Structure at Elevated Pressures. <i>Combustion Science and Technology</i> , 2021 , 193, 944-966	1.5	0

18	Rapid determination of trace Cu by an in-syringe membrane SPE and membrane solid-phase spectral technique. <i>Analytical Methods</i> , 2021 , 13, 4691-4698	3.2	0
17	The auto-ignition behaviors and risk assessments of double-base propellant containing different 1,1-diamino-2,2-dinitroethene particle sizes under rapid heating. <i>Combustion and Flame</i> , 2021 , 234, 111627	5.3	0
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13	Effects of Initiation Radius Selection and Lewis Number on Extraction of Laminar Burning Velocities from Spherically Expanding Flames. <i>Combustion Science and Technology</i> , 2017 , 1-26	1.5	
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4	Development of a fan-stirred constant volume combustion chamber and turbulence measurement with PIV. <i>Frontiers in Energy</i> , 1	2.6	
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