

Greg J Smallwood

List of Publications by Year in descending order

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191
papers

8,510
citations

38660

50
h-index

53109

85
g-index

199
all docs

199
docs citations

199
times ranked

3572
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Detection Wavelengths on Soot Volume Fraction Measurements Using the Auto-Compensating LII Technique. <i>Combustion Science and Technology</i> , 2022, 194, 144-158.	1.2	3
2	Development of a Sub-ppb Resolution Methane Sensor Using a GaSb-Based DFB Diode Laser near 3270 nm for Fugitive Emission Measurement. <i>ACS Sensors</i> , 2022, 7, 564-572.	4.0	11
3	Measurement of black carbon emissions from multiple engine and source types using laser-induced incandescence: sensitivity to laser fluence. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 241-259.	1.2	3
4	Laser-induced incandescence for non-soot nanoparticles: recent trends and current challenges. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 72.	1.1	21
5	Visualization and image analysis of droplet puffing and micro-explosion in spray-flame synthesis of iron oxide nanoparticles. <i>Experiments in Fluids</i> , 2022, 63, 1.	1.1	18
6	Size-dependent mass absorption cross-section of soot particles from various sources. <i>Carbon</i> , 2022, 192, 438-451.	5.4	9
7	Aircraft-engine particulate matter emissions from conventional and sustainable aviation fuel combustion: comparison of measurement techniques for mass, number, and size. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 3223-3242.	1.2	10
8	Aircraft engine particulate matter emissions from sustainable aviation fuels: Results from ground-based measurements during the NASA/DLR campaign ECLIF2/ND-MAX. <i>Fuel</i> , 2022, 325, 124764.	3.4	13
9	Effective density and metals content of particle emissions generated by a diesel engine operating under different marine fuels. <i>Journal of Aerosol Science</i> , 2021, 151, 105651.	1.8	12
10	Effect of fuel composition on properties of particles emitted from a diesel-natural gas dual fuel engine. <i>International Journal of Engine Research</i> , 2021, 22, 77-87.	1.4	14
11	The importance of international standards for the graphene community. <i>Nature Reviews Physics</i> , 2021, 3, 233-235.	11.9	19
12	Ash-Decorated and Ash-Painted Soot from Residual and Distillate-Fuel Combustion in Four Marine Engines and One Aviation Engine. <i>Environmental Science & Technology</i> , 2021, 55, 6584-6593.	4.6	8
13	Multiphoton induced photoluminescence during time-resolved laser-induced incandescence experiments on silver and gold nanoparticles. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	8
14	Crumpled few-layer graphene: Connection between morphology and optical properties. <i>Carbon</i> , 2021, 182, 677-690.	5.4	9
15	Systematic experimental comparison of particle filtration efficiency test methods for commercial respirators and face masks. <i>Scientific Reports</i> , 2021, 11, 21979.	1.6	12
16	Physical and chemical properties of black carbon and organic matter from different combustion and photochemical sources using aerodynamic aerosol classification. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16161-16182.	1.9	9
17	A review on the morphological properties of non-volatile particulate matter emissions from aircraft turbine engines. <i>Journal of Aerosol Science</i> , 2020, 139, 105467.	1.8	24
18	Review of recent literature on the light absorption properties of black carbon: Refractive index, mass absorption cross section, and absorption function. <i>Aerosol Science and Technology</i> , 2020, 54, 33-51.	1.5	96

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19	Characterization of particulate matter emitted by a marine engine operated with liquefied natural gas and diesel fuels. <i>Atmospheric Environment</i> , 2020, 220, 117030.	1.9	30
20	Closure between particulate matter concentrations measured ex situ by thermal optical analysis and in situ by the CPMA electrometer reference mass system. <i>Aerosol Science and Technology</i> , 2020, 54, 1293-1309.	1.5	13
21	Response to <i>ACS Nano</i> Editorial "Standardizing Nanomaterials". <i>ACS Nano</i> , 2020, 14, 14255-14257.	7.3	4
22	Characterization of few-layer graphene aerosols by laser-induced incandescence. <i>Carbon</i> , 2020, 167, 870-880.	5.4	20
23	Comparison of standardized sampling and measurement reference systems for aircraft engine non-volatile particulate matter emissions. <i>Journal of Aerosol Science</i> , 2020, 145, 105557.	1.8	29
24	Characterization of black carbon particles generated by a propane-fueled miniature inverted soot generator. <i>Journal of Aerosol Science</i> , 2019, 135, 46-57.	1.8	25
25	Measurement of soot volume fraction and primary particle diameter in oxygen enriched ethylene diffusion flames using the laser-induced incandescence technique. <i>Energy</i> , 2019, 177, 421-432.	4.5	23
26	Repeatability and intermediate precision of a mass concentration calibration system. <i>Aerosol Science and Technology</i> , 2019, 53, 701-711.	1.5	6
27	A novel miniature inverted-flame burner for the generation of soot nanoparticles. <i>Aerosol Science and Technology</i> , 2019, 53, 184-195.	1.5	29
28	A CRITERION FOR EVALUATION OF THE VALIDITY OF BLACK CARBON REFRACTIVE INDEX FROM MEASUREMENTS OF LIGHT ABSORPTION IN THE VISIBLE AND NEAR-INFRARED. , 2019, , .		0
29	Estimate of scattering truncation in the cavity attenuated phase shift PM _{SSA} monitor using radiative transfer theory. <i>Aerosol Science and Technology</i> , 2018, 52, 588-596.	1.5	5
30	Size and shape distributions of carbon black aggregates by transmission electron microscopy. <i>Carbon</i> , 2018, 130, 822-833.	5.4	30
31	Effective density and volatility of particles sampled from a helicopter gas turbine engine. <i>Aerosol Science and Technology</i> , 2017, 51, 704-714.	1.5	26
32	Raman spectroscopy and TEM characterization of solid particulate matter emitted from soot generators and aircraft turbine engines. <i>Aerosol Science and Technology</i> , 2017, 51, 518-531.	1.5	51
33	Sequential signal detection for high dynamic range time-resolved laser-induced incandescence. <i>Optics Express</i> , 2017, 25, 2413.	1.7	12
34	Methodology for quantifying the volatile mixing state of an aerosol. <i>Aerosol Science and Technology</i> , 2016, 50, 759-772.	1.5	26
35	Effects of laser fluence non-uniformity on ambient-temperature soot measurements using the auto-compensating laser-induced incandescence technique. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	11
36	Measurement of Aircraft Engine Non-Volatile PM Emissions: Results of the Aviation-Particle Regulatory Instrumentation Demonstration Experiment (A-PRIDE) 4 Campaign. <i>Aerosol Science and Technology</i> , 2015, 49, 472-484.	1.5	82

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37	Measurement of soot concentration and bulk fluid temperature and velocity using modulated laser-induced incandescence. Applied Physics B: Lasers and Optics, 2015, 119, 697-707.	1.1	9
38	Particle Emission Characteristics of a Gas Turbine with a Double Annular Combustor. Aerosol Science and Technology, 2015, 49, 842-855.	1.5	35
39	Effective Density and Mass-Mobility Exponent of Aircraft Turbine Particulate Matter. Journal of Propulsion and Power, 2015, 31, 573-582.	1.3	31
40	Demonstration of the CPMA-Electrometer System for Calibrating Black Carbon Particulate Mass Instruments. Aerosol Science and Technology, 2015, 49, 152-158.	1.5	15
41	Heat release rate variations in a globally stoichiometric, stratified iso-octane/air turbulent V-flame. Combustion and Flame, 2015, 162, 944-959.	2.8	23
42	Influence of rapid laser heating on the optical properties of in-flame soot. Applied Physics B: Lasers and Optics, 2015, 119, 621-642.	1.1	16
43	Combination of LII and extinction measurements for determination of soot volume fraction and estimation of soot maturity in non-premixed laminar flames. Applied Physics B: Lasers and Optics, 2015, 119, 685-696.	1.1	38
44	Effect of recondensation of sublimed species on nanoparticle temperature evolution in time-resolved laser-induced incandescence. Applied Physics B: Lasers and Optics, 2015, 119, 607-620.	1.1	4
45	Laser-induced incandescence: Particulate diagnostics for combustion, atmospheric, and industrial applications. Progress in Energy and Combustion Science, 2015, 51, 2-48.	15.8	295
46	Effect of Drive Cycle and Gasoline Particulate Filter on the Size and Morphology of Soot Particles Emitted from a Gasoline-Direct-Injection Vehicle. Environmental Science & Technology, 2015, 49, 11950-11958.	4.6	48
47	Numerical Study of Confined Laminar CH ₄ /Air Diffusion Flames Established in an Inverted Burner. Combustion Science and Technology, 2014, 186, 657-671.	1.2	0
48	Determination of PM mass emissions from an aircraft turbine engine using particle effective density. Atmospheric Environment, 2014, 99, 500-507.	1.9	59
49	Relationship between soot volume fraction and LII signal in AC-LII: effect of primary soot particle diameter polydispersity. Applied Physics B: Lasers and Optics, 2013, 112, 307-319.	1.1	7
50	Evaluation of the absorption line blackbody distribution function of CO ₂ and H ₂ O using the proper orthogonal decomposition and hyperbolic correlations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 128, 27-33.	1.1	16
51	Soot temperature and volume fraction retrieval from spectrally resolved flame emission measurement in laminar axisymmetric coflow diffusion flames: Effect of self-absorption. Combustion and Flame, 2013, 160, 1693-1705.	2.8	54
52	Soot formation in a laminar ethylene/air diffusion flame at pressures from 1 to 8 atm. Proceedings of the Combustion Institute, 2013, 34, 1795-1802.	2.4	47
53	Investigation of Absorption and Scattering Properties of Soot Aggregates of Different Fractal Dimension at 532Ånm Using RDG and GMM. Aerosol Science and Technology, 2013, 47, 1393-1405.	1.5	51
54	Are Emissions of Black Carbon from Gasoline Vehicles Underestimated? Insights from Near and On-Road Measurements. Environmental Science & Technology, 2012, 46, 4819-4828.	4.6	91

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55	Modeling DME Addition Effects to Fuel on PAH and Soot in Laminar Coflow Ethylene/Air Diffusion Flames Using Two PAH Mechanisms. <i>Combustion Science and Technology</i> , 2012, 184, 966-979.	1.2	28
56	Optimization of measurement angles for soot aggregate sizing by elastic light scattering, through design-of-experiment theory. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 355-365.	1.1	17
57	Optimum Angles for Multi-Angle Elastic Light Scattering Experiments. , 2011, , .		0
58	Time-resolved measurements of black carbon light absorption enhancement in urban and near-urban locations of southern Ontario, Canada. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10407-10432.	1.9	57
59	Sooting turbulent jet flame: characterization and quantitative soot measurements. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 409-425.	1.1	77
60	The effect of particle aggregation on the absorption and emission properties of mono- and polydisperse soot aggregates. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 343-355.	1.1	28
61	Measurement of soot morphology by integrated LII and elastic light scattering. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 385-397.	1.1	32
62	Investigation of optical properties of aging soot. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 273-283.	1.1	95
63	Optical properties of pulsed laser heated soot. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 307-319.	1.1	17
64	A numerical and experimental study of a laminar sooting coflow Jet-A1 diffusion flame. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 601-608.	2.4	45
65	An experimental and numerical study of the effects of dimethyl ether addition to fuel on polycyclic aromatic hydrocarbon and soot formation in laminar coflow ethylene/air diffusion flames. <i>Combustion and Flame</i> , 2011, 158, 547-563.	2.8	89
66	The importance of thermal radiation transfer in laminar diffusion flames at normal and microgravity. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1241-1249.	1.1	16
67	Determination of the soot aggregate size distribution from elastic light scattering through Bayesian inference. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1099-1107.	1.1	31
68	Equivalence ratio gradient effects on flame front topology in a stratified iso-octane/air turbulent V-flame. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1551-1558.	2.4	33
69	Development of absolute intensity multi-angle light scattering for the determination of polydisperse soot aggregate properties. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 847-854.	2.4	47
70	Control of the structure and sooting characteristics of a coflow laminar methane/air diffusion flame using a central air jet: An experimental and numerical study. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 1063-1070.	2.4	15
71	Effect of aggregation on the absorption cross-section of fractal soot aggregates and its impact on LII modelling. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 302-308.	1.1	49
72	The effect of preferential diffusion on soot formation in a laminar ethylene/air diffusion flame. <i>Combustion Theory and Modelling</i> , 2010, 15, 125-140.	1.0	4

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73	Radiative Properties of Numerically Generated Fractal Soot Aggregates: The Importance of Configuration Averaging. <i>Journal of Heat Transfer</i> , 2010, 132, .	1.2	21
74	Modeling of Oxidation-Driven Soot Aggregate Fragmentation in a Laminar Coflow Diffusion Flame. <i>Combustion Science and Technology</i> , 2010, 182, 491-504.	1.2	34
75	THE IMPORTANCE OF THERMAL RADIATION TRANSFER IN LAMINAR DIFFUSION FLAMES AT NORMAL AND MICROGRAVITY. , 2010, , .		2
76	SOOT PARTICLE SIZING BY INVERSE ANALYSIS OF MULTIANGLE ELASTIC LIGHT SCATTERING. , 2010, , .		0
77	Radiative Properties of Numerically Generated Fractal Soot Aggregates: The Importance of Configuration Averaging. , 2009, , .		0
78	Numerical Study of the Effects of Pressure and Gravitational Acceleration on Soot Formation in Laminar Axisymmetric Coflow Methane/Air Diffusion Flame. , 2009, , .		0
79	A numerical study of soot aggregate formation in a laminar coflow diffusion flame. <i>Combustion and Flame</i> , 2009, 156, 697-705.	2.8	65
80	Molecular dynamics simulations of translational thermal accommodation coefficients for time-resolved LII. <i>Applied Physics B: Lasers and Optics</i> , 2009, 94, 39-49.	1.1	40
81	Sensitivity and relative error analyses of soot temperature and volume fraction determined by two-color LII. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 623-636.	1.1	57
82	Numerical investigation of the effect of signal trapping on soot measurements using LII in laminar coflow diffusion flames. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 671-682.	1.1	30
83	Comparison of LII derived soot temperature measurements with LII model predictions for soot in a laminar diffusion flame. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 657-669.	1.1	63
84	Modeling of soot aggregate formation and size distribution in a laminar ethylene/air coflow diffusion flame with detailed PAH chemistry and an advanced sectional aerosol dynamics model. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 761-768.	2.4	109
85	On the effect of carbon monoxide addition on soot formation in a laminar ethylene/air coflow diffusion flame. <i>Combustion and Flame</i> , 2009, 156, 1135-1142.	2.8	35
86	Effects of the Fractal Prefactor on the Optical Properties of Fractal Soot Aggregates. , 2009, , .		3
87	Effects of soot absorption and scattering on LII intensities in laminar coflow diffusion flames. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 337-348.	1.1	21
88	Diffuse-light two-dimensional line-of-sight attenuation for soot concentration measurements. <i>Applied Optics</i> , 2008, 47, 694.	2.1	80
89	Implementation of an advanced fixed sectional aerosol dynamics model with soot aggregate formation in a laminar methane/air coflow diffusion flame. <i>Combustion Theory and Modelling</i> , 2008, 12, 621-641.	1.0	50
90	Molecular Dynamics Simulations of Translational Thermal Accommodation Coefficients for Time-Resolved LII. , 2008, , .		2

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91	A Numerical Study on the Effect of Water Addition on NO Formation in Counterflow CH ₄ /Air Premixed Flames. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	5
92	An Improved Phenomenological Soot Formation Submodel for Three-Dimensional Diesel Engine Simulations: Extension to Agglomeration of Particles into Clusters. Journal of Engineering for Gas Turbines and Power, 2008, 130, .	0.5	5
93	Investigation of Thermal Accommodation Coefficients in Time-Resolved Laser-Induced Incandescence. Journal of Heat Transfer, 2008, 130, .	1.2	40
94	A Numerical Study on the Influence of CO ₂ Addition on Soot Formation in an Ethylene/Air Diffusion Flame. Combustion Science and Technology, 2008, 180, 1695-1708.	1.2	68
95	A Numerical Investigation on Soot Formation From Laminar Diffusion Flames of Ethylene/Methane Mixture. , 2008, , .		2
96	Flame Surface Fractal Characteristics in Premixed Turbulent Combustion at High Turbulence Intensities. AIAA Journal, 2007, 45, 2785-2789.	1.5	19
97	An Improved Soot Formation Model for 3D Diesel Engine Simulations. Journal of Engineering for Gas Turbines and Power, 2007, 129, 877-884.	0.5	31
98	A numerical study on the effect of CO addition on extinction limits and NO _x formation in lean counterflow CH ₄ /air premixed flames. Combustion Theory and Modelling, 2007, 11, 741-753.	1.0	5
99	Measurement of Thermal Accommodation Coefficients Using Laser-Induced Incandescence. , 2007, , 477.		0
100	Investigating renewable fuel combustion I: comparative simulations of a diesel engine fuelled with n-C ₁₂ alkane and n-C ₁₈ fatty acid derived liquid property fuel. International Journal of Environmental Studies, 2007, 64, 401-418.	0.7	0
101	Investigating renewable fuel combustion II: DNS of DME and n-heptane ignition in a turbulent non-homogeneous flow with high dissipation. International Journal of Environmental Studies, 2007, 64, 419-432.	0.7	3
102	FLAME SURFACE DENSITIES IN PREMIXED COMBUSTION AT MEDIUM TO HIGH TURBULENCE INTENSITIES. Combustion Science and Technology, 2007, 179, 191-206.	1.2	39
103	Evaluation and Comparison of Portable Emissions Measurement Systems and Federal Reference Methods for Emissions from a Back-Up Generator and a Diesel Truck Operated on a Chassis Dynamometer. Environmental Science & Technology, 2007, 41, 6199-6204.	4.6	67
104	The interaction between soot and NO formation in a laminar axisymmetric coflow ethylene/air diffusion flame. Combustion and Flame, 2007, 149, 225-233.	2.8	26
105	A numerical investigation on NO _x formation in counterflow n-heptane triple flames. International Journal of Thermal Sciences, 2007, 46, 936-943.	2.6	10
106	Numerical simulation aided relative optical density analysis of TEM images for soot morphology determination. Proceedings of the Combustion Institute, 2007, 31, 861-868.	2.4	10
107	The effect of reformat gas enrichment on extinction limits and NO _x formation in counterflow CH ₄ /air premixed flames. Proceedings of the Combustion Institute, 2007, 31, 1197-1204.	2.4	25
108	Measurement and modeling of the sooting propensity of binary fuel mixtures. Proceedings of the Combustion Institute, 2007, 31, 611-619.	2.4	38

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109	Some theoretical considerations in modeling laser-induced incandescence at low-pressures. Applied Physics B: Lasers and Optics, 2007, 87, 179-191.	1.1	19
110	Determining aerosol particle size distributions using time-resolved laser-induced incandescence. Applied Physics B: Lasers and Optics, 2007, 87, 363-372.	1.1	53
111	Deconvolution of axisymmetric flame properties using Tikhonov regularization. Applied Optics, 2006, 45, 4638.	2.1	126
112	Experimental Investigation of Oxygen Addition to Fuel on Soot Formation in Laminar Coflow Diffusion Flames of Ethylene and Propane. , 2006, , 119.		0
113	Determining Aerosol Particle Size Distribution Using Time-Resolved Laser-Induced Incandescence. , 2006, , 405.		0
114	A numerical study of laminar methane/air triple flames in two-dimensional mixing layers. International Journal of Thermal Sciences, 2006, 45, 586-594.	2.6	14
115	Determination of the morphology of soot aggregates using the relative optical density method for the analysis of TEM images. Combustion and Flame, 2006, 144, 782-791.	2.8	74
116	Evaluation of the laminar diffusion flamelet model in the calculation of an axisymmetric coflow laminar ethylene-air diffusion flame. Combustion and Flame, 2006, 144, 605-618.	2.8	12
117	Numerical study on the influence of hydrogen addition on soot formation in a laminar ethylene-air diffusion flame. Combustion and Flame, 2006, 145, 324-338.	2.8	156
118	Numerical and experimental study of an axisymmetric coflow laminar methane-air diffusion flame at pressures between 5 and 40 atmospheres. Combustion and Flame, 2006, 146, 456-471.	2.8	96
119	Effects of primary soot particle size distribution on the temperature of soot particles heated by a nanosecond pulsed laser in an atmospheric laminar diffusion flame. International Journal of Heat and Mass Transfer, 2006, 49, 777-788.	2.5	91
120	Radiation heat transfer in planar SOFC electrolytes. Journal of Power Sources, 2006, 157, 302-310.	4.0	76
121	Heat conduction from a spherical nano-particle: status of modeling heat conduction in laser-induced incandescence. Applied Physics B: Lasers and Optics, 2006, 83, 355-382.	1.1	134
122	Influence of polydisperse distributions of both primary particle and aggregate size on soot temperature in low-fluence LII. Applied Physics B: Lasers and Optics, 2006, 83, 383-395.	1.1	100
123	Laser induced incandescence measurements of soot volume fraction and effective particle size in a laminar co-annular non-premixed methane/air flame at pressures between 0.5-4.0 MPa. Applied Physics B: Lasers and Optics, 2006, 83, 469-475.	1.1	58
124	Laser-induced incandescence: recent trends and current questions. Applied Physics B: Lasers and Optics, 2006, 83, 333-354.	1.1	427
125	A Numerical Investigation of NOx Formation in Counterflow CH4/H2/Air Diffusion Flames. , 2006, ,		1
126	A CRITICAL EVALUATION OF THE THERMAL ACCOMMODATION COEFFICIENT OF SOOT DETERMINED BY THE LASER-INDUCED INCANDESCENCE TECHNIQUE. , 2006, ,		2

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127	An Improved Phenomenological Soot Formation Sub-Model for 3-D Diesel Engine Simulations: Extension to Agglomeration of Particles Into Clusters. , 2006, , .		0
128	Radiation Heat Transfer in SOFC Electrolytes. , 2005, , 183.		1
129	Numerical Calculations of Heat Conduction Between Soot Aggregates and the Surrounding Gas in the Free-Molecular Regime Using the DSMC Method. , 2005, , 419.		2
130	Solution of Abel's Integral Equation Using Tikhonov Regularization. , 2005, , 301.		0
131	Effects of primary particle diameter and aggregate size distribution on the temperature of soot particles heated by pulsed lasers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 93, 301-312.	1.1	58
132	Soot concentration and temperature measurements in co-annular, nonpremixed CH ₄ /air laminar flames at pressures up to 4 MPa. Combustion and Flame, 2005, 140, 222-232.	2.8	168
133	A numerical study on NO _x formation in laminar counterflow CH ₄ /air triple flames. Combustion and Flame, 2005, 143, 282-298.	2.8	31
134	The effect of hydrogen addition on flammability limit and NO _x emission in ultra-lean counterflow CH ₄ /air premixed flames. Proceedings of the Combustion Institute, 2005, 30, 303-311.	2.4	185
135	Numerical Study of Temperature and Incandescence Intensity of Nanosecond Pulsed-Laser Heated Soot Particles at High Pressures. , 2005, , 355.		2
136	A Numerical Study on the Effect of Water Addition on NO Formation in Counterflow CH ₄ /Air Premixed Flames. , 2005, , 383.		0
137	A calibration-independent laser-induced incandescence technique for soot measurement by detecting absolute light intensity. Applied Optics, 2005, 44, 6773.	2.1	209
138	Influence of Pressure on Soot Formation in Laminar Diffusion Flames of Methane. , 2005, , .		1
139	An Improved Soot Formation Model for 3-D Diesel Engine Simulations. , 2005, , .		0
140	A Numerical Study on a V-Shaped Laminar Stratified Flame. , 2005, , .		0
141	Effects of radiation model on the modeling of a laminar coflow methane/air diffusion flame. Combustion and Flame, 2004, 138, 136-154.	2.8	103
142	An efficient approach for the implementation of the SNB based correlated- k method and its evaluation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 84, 465-475.	1.1	51
143	Effects of gas and soot radiation on soot formation in counterflow ethylene diffusion flames. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 84, 501-511.	1.1	49
144	Determination of the soot absorption function and thermal accommodation coefficient using low-fluence LII in a laminar coflow ethylene diffusion flame. Combustion and Flame, 2004, 136, 180-190.	2.8	236

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145	Distribution of the number of primary particles of soot aggregates in a nonpremixed laminar flame. <i>Combustion and Flame</i> , 2004, 138, 195-198.	2.8	66
146	A Numerical Investigation of Thermal Diffusion Influence on Soot Formation in Ethylene/Air Diffusion Flames. <i>International Journal of Computational Fluid Dynamics</i> , 2004, 18, 139-151.	0.5	35
147	Soot and NO formation in counterflow ethylene/oxygen/nitrogen diffusion flames. <i>Combustion Theory and Modelling</i> , 2004, 8, 475-489.	1.0	42
148	A Numerical Study of the Influence of Hydrogen Addition on Soot Formation in a Laminar Counterflow Ethylene/Oxygen/Nitrogen Diffusion Flame. , 2004, , .		0
149	The chemical effect of CO ₂ replacement of N ₂ in air on the burning velocity of CH ₄ and H ₂ premixed flames. <i>Combustion and Flame</i> , 2003, 133, 495-497.	2.8	283
150	Numerical modelling of soot formation and oxidation in laminar coflow non-smoking and smoking ethylene diffusion flames. <i>Combustion Theory and Modelling</i> , 2003, 7, 301-315.	1.0	106
151	Particulate Measurement Methods. , 2003, , 221-257.		1
152	The flame preheating effect on numerical modelling of soot formation in a two-dimensional laminar ethylene-air diffusion flame. <i>Combustion Theory and Modelling</i> , 2002, 6, 173-187.	1.0	82
153	Spectrally Resolved Measurement of Flame Radiation to Determine Soot Temperature and Concentration. <i>AIAA Journal</i> , 2002, 40, 1789-1795.	1.5	234
154	Numerical Modeling of a Lifted Laminar Coflow Methane Diffusion Jet Flames Using Detailed Chemistry and Non-Grey Gas Radiation Models. , 2002, , 119.		0
155	Numerical study of the superadiabatic flame temperature phenomenon in hydrocarbon premixed flames. <i>Proceedings of the Combustion Institute</i> , 2002, 29, 1543-1550.	2.4	41
156	A robust and accurate algorithm of the $\hat{\rho}^2$ -pdf integration and its application to turbulent methane-air diffusion combustion in a gas turbine combustor simulator. <i>International Journal of Thermal Sciences</i> , 2002, 41, 763-772.	2.6	20
157	Effects of gas and soot radiation on soot formation in a coflow laminar ethylene diffusion flame. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 73, 409-421.	1.1	127
158	An accurate efficient and flexible SNBCK-based unified band model for calculations of spectrally resolved and integrated quantities in participating media containing real-gases. , 2002, , .		4
159	Spectrally resolved measurement of flame radiation to determine soot temperature and concentration. <i>AIAA Journal</i> , 2002, 40, 1789-1795.	1.5	17
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