Haifeng Liu

List of Publications by Year
in descending order

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181	7,660	46918	69108
papers	citations	47 h-index	77 g-index

182	182	182	5747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The use of carbon nanotubes to induce osteogenic differentiation of human adipose-derived MSCs inÂvitro and ectopic bone formation inÂvivo. Biomaterials, 2012, 33, 4818-4827.	5.7	250
2	Effect of two-stage injection on combustion and emissions under high EGR rate on a diesel engine by fueling blends of diesel/gasoline, diesel/n-butanol, diesel/gasoline/n-butanol and pure diesel. Energy Conversion and Management, 2015, 90, 1-11.	4.4	193
3	The interaction between a combined knitted silk scaffold and microporous silk sponge with human mesenchymal stem cells for ligament tissue engineering. Biomaterials, 2008, 29, 662-674.	5.7	192
4	Electrospun sulfated silk fibroin nanofibrous scaffolds for vascular tissue engineering. Biomaterials, 2011, 32, 3784-3793.	5.7	192
5	Experimental investigation of the effects of diesel injection strategy on gasoline/diesel dual-fuel combustion. Applied Energy, 2013, 109, 202-212.	5.1	190
6	Experimental study on combustion and emission characteristics of a diesel engine fueled with 2,5-dimethylfuranâ€“diesel, n-butanolâ€“diesel and gasolineâ€“diesel blends. Energy, 2013, 54, 333-342.	4.5	177
7	Experimental study on diesel conventional and low temperature combustion by fueling four isomers of butanol. Fuel, 2015, 141, 109-119.	3.4	153
8	Effects of n-butanol, 2-butanol, and methyl octynoate addition to diesel fuel on combustion and emissions over a wide range of exhaust gas recirculation (EGR) rates. Applied Energy, 2013, 112, 246-256.	5.1	152
9	Reviewing two decades of cleaner alternative marine fuels: Towards IMO's decarbonization of the maritime transport sector. Journal of Cleaner Production, 2021, 320, 128871.	4.6	149
10	Experimental study on combustion and emissions of dual fuel RCCI mode fueled with biodiesel/n-butanol, biodiesel/2,5-dimethylfuran and biodiesel/ethanol. Energy, 2018, 148, 824-838.	4.5	145
11	Experimental and simulation investigation of the combustion characteristics and emissions using n -butanol/biodiesel dual-fuel injection on a diesel engine. Energy, 2014, 74, 741-752.	4.5	140
12	Grapheneâ€Based Materials in Regenerative Medicine. Advanced Healthcare Materials, 2015, 4, 1451-1468.	3.9	136
13	Experimental study of n-butanol addition on performance and emissions withÂdiesel low temperature combustion. Energy, 2012, 47, 515-521.	4.5	134
14	Study of the control strategies on soot reduction under early-injection conditions on a diesel engine. Fuel, 2015, 139, 472-481.	3.4	134
15	A comparison of rabbit mesenchymal stem cells and anterior cruciate ligament fibroblasts responses on combined silk scaffolds. Biomaterials, 2008, 29, 1443-1453.	5.7	125
16	Study on the spray and combustion characteristics of waterâ€“emulsified diesel. Fuel, 2014, 123, 218-229.	3.4	125
17	Soot Emissions of Various Oxygenated Biofuels in Conventional Diesel Combustion and Low-Temperature Combustion Conditions. Energy & Fuels, 2012, 26, 1900-1911.	2.5	123
18	Experimental study on combustion and emissions of n-butanol/biodiesel under both blended fuel mode and dual fuel RCCI mode. Fuel, 2018, 226, 240-251.	3.4	118

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19	Electrospinning of Nanofibers for Tissue Engineering Applications. Journal of Nanomaterials, 2013, 2013, 1-11.	1.5	114
20	Combustion and emissions of 2,5-dimethylfuran addition on a diesel engine with low temperature combustion. Fuel, 2013, 103, 730-735.	3.4	107
21	Soot reduction effects of the addition of four butanol isomers on partially premixed flames of diesel surrogates. Combustion and Flame, 2017, 177, 123-136.	2.8	103
22	Improving Chronic Diabetic Wound Healing through an Injectable and Self-Healing Hydrogel with Platelet-Rich Plasma Release. ACS Applied Materials & Interfaces, 2020, 12, 55659-55674.	4.0	99
23	Experimental study on the combustion and emissions fueling biodiesel/n-butanol, biodiesel/ethanol and biodiesel/2,5-dimethylfuran on a diesel engine. Energy, 2016, 115, 539-549.	4.5	96
24	Laser diagnostics and chemical kinetic analysis of PAHs and soot in co-flow partially premixed flames using diesel surrogate and oxygenated additives of n-butanol and DMF. Combustion and Flame, 2018, 188, 129-141.	2.8	93
25	Spray and flame characteristics of wall-impinging diesel fuel spray at different wall temperatures and ambient pressures in a constant volume combustion vessel. Fuel, 2019, 235, 416-425.	3.4	93
26	Micro-/Nano- sized hydroxyapatite directs differentiation of rat bone marrow derived mesenchymal stem cells towards an osteoblast lineage. Nanoscale, 2012, 4, 2484.	2.8	88
27	Modification of sericin-free silk fibers for ligament tissue engineering application. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 82B, 129-138.	1.6	85
28	Optical study of spray-wall impingement impact on early-injection gasoline partially premixed combustion at low engine load. Applied Energy, 2017, 185, 708-719.	5.1	85
29	Improved Hemocompatibility and Endothelialization of Vascular Grafts by Covalent Immobilization of Sulfated Silk Fibroin on Poly(lactic-co-glycolic acid) Scaffolds. Biomacromolecules, 2011, 12, 2914-2924.	2.6	83
30	Effects of different alcohols additives on solubility of hydrous ethanol/diesel fuel blends. Fuel, 2016, 184, 440-448.	3.4	79
31	Effects of C3â€“C5 alcohols on solubility of alcohols/diesel blends. Fuel, 2019, 236, 65-74.	3.4	78
32	Influence of temperature and mixture stratification on HCCI combustion using chemiluminescence images and CFD analysis. Applied Thermal Engineering, 2012, 33-34, 135-143.	3.0	76
33	A comparative study on partially premixed combustion (PPC) and reactivity controlled compression ignition (RCCI) in an optical engine. Proceedings of the Combustion Institute, 2019, 37, 4759-4766.	2.4	76
34	Study on ignition and flame development in gasoline partially premixed combustion using multiple optical diagnostics. Combustion and Flame, 2017, 177, 98-108.	2.8	75
35	Effect of diesel/PODE/ethanol blends on combustion and emissions of a heavy duty diesel engine. Fuel, 2019, 257, 116064.	3.4	75
36	Multiple optical diagnostics on effect of fuel stratification degree on reactivity controlled compression ignition. Fuel, 2017, 202, 688-698.	3.4	73

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37	Effects of fuel properties on combustion and emissions under both conventional and low temperature combustion mode fueling 2,5-dimethylfuran/diesel blends. Energy, 2013, 62, 215-223.	4.5	72
38	Time-resolved spray, flame, soot quantitative measurement fueling n-butanol and soybean biodiesel in a constant volume chamber under various ambient temperatures. Fuel, 2014, 133, 317-325.	3.4	70
39	Experimental and numerical study on suitable diesel fuel surrogates in low temperature combustion conditions. Fuel, 2012, 97, 621-629.	3.4	66
40	Investigation on Blending Effects of Gasoline Fuel with N-Butanol, DMF, and Ethanol on the Fuel Consumption and Harmful Emissions in a GDI Vehicle. Energies, 2019, 12, 1845.	1.6	66
41	Effects of port injection of hydrous ethanol on combustion and emission characteristics in dual-fuel reactivity controlled compression ignition (RCCI) mode. Energy, 2018, 145, 592-602.	4.5	65
42	A moisturizing chitosan-silk fibroin dressing with silver nanoparticles-adsorbed exosomes for repairing infected wounds. Journal of Materials Chemistry B, 2020, 8, 7197-7212.	2.9	58
43	Effects of various co-solvents on the solubility between blends of soybean oil with either methanol or ethanol. Fuel, 2019, 244, 461-471.	3.4	57
44	A theoretical and experimental study on the effects of parameters of two-stage turbocharging system on performance of a heavy-duty diesel engine. Applied Thermal Engineering, 2018, 129, 822-832.	3.0	53
45	Effects of direct-injection fuel types and proportion on late-injection reactivity controlled compression ignition. Combustion and Flame, 2020, 211, 445-455.	2.8	53
46	Physiological pulsatile flow culture conditions to generate functional endothelium on a sulfated silk fibroin nanofibrous scaffold. Biomaterials, 2014, 35, 4782-4791.	5.7	52
47	Experimental investigation of the effects of diesel fuel properties on combustion and emissions on a multi-cylinder heavy-duty diesel engine. Energy Conversion and Management, 2018, 171, 1787-1800.	4.4	52
48	Effects of diesel-ethanol-THF blend fuel on the performance and exhaust emissions on a heavy-duty diesel engine. Fuel, 2020, 271, 117633.	3.4	52
49	Effects of Flame Temperature on PAHs and Soot Evolution in Partially Premixed and Diffusion Flames of a Diesel Surrogate. Energy & Fuels, 2019, 33, 11821-11829.	2.5	50
50	Investigation on the ignition delay prediction model of multi-component surrogates based on back propagation (BP) neural network. Combustion and Flame, 2022, 237, 111852.	2.8	50
51	Silk scaffolds for musculoskeletal tissue engineering. Experimental Biology and Medicine, 2016, 241, 238-245.	1.1	48
52	Silk fibroin for vascular regeneration. Microscopy Research and Technique, 2017, 80, 280-290.	1.2	46
53	Techno-economic feasibility of waste-to-energy technologies for investment in Ghana: A multicriteria assessment based on fuzzy TOPSIS approach. Journal of Cleaner Production, 2021, 318, 128515.	4.6	46
54	Pilot injection strategy management of gasoline compression ignition (GCI) combustion in a multi-cylinder diesel engine. Fuel, 2018, 221, 116-127.	3.4	43

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55	Investigation on the Potential of High Efficiency for Internal Combustion Engines. Energies, 2018, 11, 513.	1.6	42
56	Study on the flame development patterns and flame speeds from homogeneous charge to stratified charge by fueling n-heptane in an optical engine. Combustion and Flame, 2019, 199, 213-229.	2.8	42
57	Experimental and numerical study on soot formation and oxidation by using diesel fuel in constant volume chamber with various ambient oxygen concentrations. Energy Conversion and Management, 2014, 84, 152-163.	4.4	41
58	Effects of six-carbon alcohols, ethers and ketones with chain or ring molecular structures on diesel low temperature combustion. Energy Conversion and Management, 2016, 124, 480-491.	4.4	41
59	Enhancing neural differentiation of induced pluripotent stem cells by conductive graphene/silk fibroin films. Journal of Biomedical Materials Research - Part A, 2018, 106, 2973-2983.	2.1	41
60	A numerical study of spray/wall impingement based on droplet impact phenomenon. International Journal of Heat and Mass Transfer, 2017, 112, 401-412.	2.5	40
61	Preparation and characterization of electrospun graphene/silk fibroin conductive fibrous scaffolds. RSC Advances, 2017, 7, 7954-7963.	1.7	38
62	Influence of n-butanol-diesel-PODE3-4 fuels coupled pilot injection strategy on combustion and emission characteristics of diesel engine. Fuel, 2019, 236, 313-324.	3.4	37
63	Effects of charge concentration and reactivity stratification on combustion and emission characteristics of a PFI-DI dual injection engine under low load condition. Fuel, 2018, 231, 26-36.	3.4	36
64	Surface Modification of Multiple Bioactive Peptides to Improve Endothelialization of Vascular Grafts. Macromolecular Bioscience, 2019, 19, e1800368.	2.1	36
65	An overview of polyoxymethylene dimethyl ethers as alternative fuel for compression ignition engines. Fuel, 2022, 318, 123582.	3.4	36
66	Preparation of silk fibroin carriers for controlled release. Microscopy Research and Technique, 2017, 80, 312-320.	1.2	35
67	Gasoline compression ignition operation on a multi-cylinder heavy duty diesel engine. Fuel, 2018, 215, 339-351.	3.4	34
68	Effects of injection strategies on lowâ€speed marine engines using the dual fuel of highâ€pressure directâ€injection natural gas and diesel. Energy Science and Engineering, 2019, 7, 1994-2010.	1.9	34
69	Multiple optical diagnostics on effects of fuel properties on spray flames under oxygen-enriched conditions. Fuel, 2021, 291, 120129.	3.4	34
70	Endothelial Progenitor Cellâ€Derived Extracellular Vesicles: A Novel Candidate for Regenerative Medicine and Disease Treatment. Advanced Healthcare Materials, 2020, 9, e2000255.	3.9	33
71	Effect of Electrospun Silk Fibroinâ€“Silk Sericin Films on Macrophage Polarization and Vascularization. ACS Biomaterials Science and Engineering, 2020, 6, 3502-3512.	2.6	32
72	Optical diagnostics on the reactivity controlled compression ignition (RCCI) with micro direct-injection strategy. Proceedings of the Combustion Institute, 2019, 37, 4767-4775.	2.4	30

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73	An asymmetric wettable chitosanâ€“silk fibroin composite dressing with fixed silver nanoparticles for infected wound repair: in vitro and in vivo evaluation. RSC Advances, 2017, 7, 43909-43920.	1.7	29
74	Effect of the stagnation plate on PAHs, soot and OH distributions in partially premixed laminar flames fueled with a blend of n-heptane and toluene. Combustion and Flame, 2021, 227, 52-64.	2.8	29
75	Study on influencing factors of particle emissions from a RCCI engine with variation of premixing ratio and total cycle energy. Energy, 2020, 202, 117707.	4.5	29
76	Optical diagnostics and chemical kinetic analysis on the dual-fuel combustion of methanol and high reactivity fuels. Fuel, 2022, 312, 122949.	3.4	29
77	In Vitro Evaluation of Combined Sulfated Silk Fibroin Scaffolds for Vascular Cell Growth. Macromolecular Bioscience, 2013, 13, 755-766.	2.1	28
78	A Review of Thermal Management System and Control Strategy for Automotive Engines. Journal of Energy Engineering - ASCE, 2021, 147, .	1.0	28
79	Development of a reduced n -butanol/biodiesel mechanism for a dual fuel engine. Fuel, 2015, 157, 87-96.	3.4	27
80	Effects of Methanol Application on Carbon Emissions and Pollutant Emissions Using a Passenger Vehicle. Processes, 2022, 10, 525.	1.3	27
81	Effects of Dual Loop EGR on Performance and Emissions of a Diesel Engine. , 0, , .		26
82	Effects of diluents on cycle-by-cycle variations in a spark ignition engine fueled with methanol. Energy, 2019, 182, 1132-1140.	4.5	26
83	Delivery of demineralized bone matrix powder using a salt-leached silk fibroin carrier for bone regeneration. Journal of Materials Chemistry B, 2015, 3, 3177-3188.	2.9	25
84	Numerical study of spray micro-droplet impinging on dry/wet wall. Applied Thermal Engineering, 2016, 95, 1-9.	3.0	25
85	A theoretical study on the effects of thermal barrier coating on diesel engine combustion and emission characteristics. Energy, 2018, 162, 744-752.	4.5	25
86	Biomaterial Scaffolds for Reproductive Tissue Engineering. Annals of Biomedical Engineering, 2017, 45, 1592-1607.	1.3	24
87	Analysis of near wall combustion and pollutant migration after spray impingement. International Journal of Heat and Mass Transfer, 2019, 141, 569-579.	2.5	24
88	Macro and micro solubility between low-carbon alcohols and rapeseed oil using different co-solvents. Fuel, 2020, 270, 117511.	3.4	24
89	Optical diagnostics on the effects of fuel properties and coolant temperatures on combustion characteristic and flame development progress from HCCI to CDC via PPC. Fuel, 2020, 269, 117441.	3.4	23
90	Exploring the high load potential of dieselâ€“methanol dual-fuel operation with Miller cycle, exhaust gas recirculation, and intake air cooling on a heavy-duty diesel engine. International Journal of Engine Research, 2021, 22, 2318-2336.	1.4	23

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91	Gasoline spray characteristics using a high pressure common rail diesel injection system by the method of laser induced exciplex fluorescence. Fuel, 2021, 302, 121174.	3.4	23
92	Study on characteristics of marine heavy fuel oil and low carbon alcohol blended fuels at different temperatures. Fuel, 2022, 310, 122307.	3.4	23
93	PAHs formation simulation in the premixed laminar flames of TRF with alcohol addition using a semi-detailed combustion mechanism. Fuel, 2015, 155, 44-54.	3.4	22
94	Fabrication of water-stable silk fibroin scaffolds through self-assembly of proteins. RSC Advances, 2016, 6, 61402-61409.	1.7	22
95	Effects of water content on the solubility between Isopropanol-Butanol-Ethanol (IBE) and diesel fuel under various ambient temperatures. Fuel, 2021, 286, 119492.	3.4	22
96	Experimental and Numerical Investigation on Soot Behavior of Soybean Biodiesel under Ambient Oxygen Dilution in Conventional and Low-Temperature Flames. Energy & Fuels, 2014, 28, 2663-2676.	2.5	21
97	Simultaneous Measurement of Natural Flame Luminosity and Emission Spectra in a RCCI Engine under Different Fuel Stratification Degrees. SAE International Journal of Engines, 0, 10, 1155-1162.	0.4	21
98	Development of the ignition delay prediction model of n-butane/hydrogen mixtures based on artificial neural network. Energy and AI, 2020, 2, 100033.	5.8	21
99	Investigation on the dual-fuel active-thermal atmosphere combustion strategy based on optical diagnostics and numerical simulations. Fuel, 2020, 276, 118023.	3.4	21
100	A resazurin-based, nondestructive assay for monitoring cell proliferation during a scaffold-based 3D culture process. International Journal of Energy Production and Management, 2020, 7, 271-281.	1.9	21
101	Effects of polyoxymethylene dimethyl ethers on the solubility of ethanol/diesel and hydrous ethanol/diesel fuel blends. Energy Science and Engineering, 2019, 7, 2855-2865.	1.9	20
102	Effects of Gasoline Octane Number on Fuel Consumption and Emissions in Two Vehicles Equipped with GDI and PFI Spark-Ignition Engine. Journal of Energy Engineering - ASCE, 2020, 146, .	1.0	20
103	Hydrogel-based therapeutic angiogenesis: An alternative treatment strategy for critical limb ischemia. Biomaterials, 2021, 274, 120872.	5.7	20
104	Cellâ€based strategies for vascular regeneration. Journal of Biomedical Materials Research - Part A, 2016, 104, 1297-1314.	2.1	19
105	A porous sodium polyacrylate-grafted chitosan xerogel for severe hemorrhage control synthesized from one-pot reaction. Journal of Materials Chemistry B, 2017, 5, 4845-4851.	2.9	19
106	Influence of fuel properties on multi-cylinder PPC operation over a wide range of EGR and operating conditions. Fuel, 2018, 215, 352-362.	3.4	19
107	Threeâ€dimensional silk fibroin scaffolds incorporated with graphene for bone regeneration. Journal of Biomedical Materials Research - Part A, 2021, 109, 515-523.	2.1	19
108	Low-carbon alcohol fuels for decarbonizing the road transportation industry: a bibliometric analysis 2000â€“2021. Environmental Science and Pollution Research, 2022, 29, 5577-5604.	2.7	19

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109	Hydroxyapatite-containing silk fibroin nanofibrous scaffolds for tissue-engineered periosteum. RSC Advances, 2016, 6, 19463-19474.	1.7	18
110	An Investigation of the Influence of Gas Injection Rate Shape on High-Pressure Direct-Injection Natural Gas Marine Engines. Energies, 2019, 12, 2571.	1.6	18
111	Analysis of knocking combustion with methanol/iso-octane and ethanol/iso-octane blends in a spark-ignition engine. Fuel, 2021, 284, 118979.	3.4	18
112	Hydrogel Loaded with VEGF/TFEBâ€Engineered Extracellular Vesicles for Rescuing Critical Limb Ischemia by a Dualâ€Pathway Activation Strategy. Advanced Healthcare Materials, 2022, 11, e2100334.	3.9	18
113	Preparation and performance improvement of methanol and palm oil/palm kernel oil blended fuel. Fuel Processing Technology, 2021, 223, 106996.	3.7	18
114	Facile incorporation of REDV into porous silk fibroin scaffolds for enhancing vascularization of thick tissues. Materials Science and Engineering C, 2018, 93, 96-105.	3.8	17
115	Study on Fuel Distribution of Wall-Impinging Diesel Spray under Different Wall Temperatures by Laser-Induced Exciplex Fluorescence (LIEF). Energies, 2018, 11, 1249.	1.6	17
116	Effect of soybean oil/PODE/ethanol blends on combustion and emissions on a heavy-duty diesel engine. Fuel, 2021, 288, 119625.	3.4	17
117	Comparison of cellular responses of mesenchymal stem cells derived from bone marrow and synovium on combined silk scaffolds. Journal of Biomedical Materials Research - Part A, 2015, 103, 115-125.	2.1	16
118	Silk fibroin scaffold as a potential choice for female pelvic reconstruction: A study on the biocompatibility in abdominal wall, pelvic, and vagina. Microscopy Research and Technique, 2017, 80, 291-297.	1.2	16
119	Experimental study on the partially premixed combustion (PPC) fueled with n-butanol. Fuel, 2019, 257, 116000.	3.4	16
120	A Reduced Chemical Kinetic Mechanism for Low Temperature Diesel Combustion and Soot Emissions. Combustion Science and Technology, 2014, 186, 1975-1990.	1.2	15
121	A Skeletal Mechanism of a Biodiesel Surrogate Fuel for Compression Ignition Engines. Energy & Fuels, 2015, 29, 1160-1171.	2.5	15
122	Preparation and characterization of silk fibroin/poly(l-lactide-co-Îµ-caprolactone) nanofibrous membranes for tissue engineering applications. Journal of Bioactive and Compatible Polymers, 2015, 30, 633-648.	0.8	15
123	Kinetic Study of the Ignition Process of Methane/n-Heptane Fuel Blends under High-Pressure Direct-Injection Natural Gas Engine Conditions. Energy & Fuels, 2020, 34, 14796-14813.	2.5	15
124	Quercetin loaded liposomes modified with galactosylated chitosan prevent LPS/D-GalN induced acute liver injury. Materials Science and Engineering C, 2021, 131, 112527.	3.8	15
125	Effects of Fuel Volatility on Combustion and Emissions over a Wide Range of EGR Rates in a Diesel Engine. , 0, , .		14
126	Effects of Dual Loop EGR and Variable Geometry Turbocharger on Performance and Emissions of a Diesel Engine. , 0, , .		14

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127	Effect of Fuels with Different Distillation Temperatures on Performance and Emissions of a Diesel Engine Run at Various Injection Pressures and Timings. Journal of Energy Engineering - ASCE, 2017, 143, .	1.0	14
128	Study on the Solubility between Diesel and Acetoneâ€“Butanolâ€“Ethanol with or without Water. Energy & Fuels, 2020, 34, 1166-1176.	2.5	14
129	Aligned graphene/silk fibroin conductive fibrous scaffolds for guiding neurite outgrowth in rat spinal cord neurons. Journal of Biomedical Materials Research - Part A, 2021, 109, 488-499.	2.1	14
130	Machine learning-assisted soot temperature and volume fraction fields predictions in the ethylene laminar diffusion flames. Optics Express, 2021, 29, 1678.	1.7	14
131	Development of a simplified n-heptane/methane model for high-pressure direct-injection natural gas marine engines. Frontiers in Energy, 2021, 15, 405-420.	1.2	14
132	Progress and Recent Trends in the Application of Nanoparticles as Low Carbon Fuel Additivesâ€”A State of the Art Review. Nanomaterials, 2022, 12, 1515.	1.9	14
133	A Numerical Study on Combustion and Emission Characteristics of Marine Engine through Miller Cycle Coupled with EGR and Water Emulsified Fuel. , 0, , .		13
134	Study on the Double Injection Strategy of Gasoline Partially Premixed Combustion under a Light-Duty Optical Engine. SAE International Journal of Engines, 2016, 9, 2185-2193.	0.4	13
135	Shear stress with appropriate time-step and amplification enhances endothelial cell retention on vascular grafts. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2965-2978.	1.3	13
136	Study on single-fuel reactivity controlled compression ignition combustion through low temperature reforming. Combustion and Flame, 2019, 199, 429-440.	2.8	13
137	Three-dimensional silk fibroin microsphere-nanofiber scaffolds for vascular tissue engineering. Medicine in Novel Technology and Devices, 2021, 9, 100051.	0.9	13
138	Investigation of the Combustion Kinetics Process in a High-Pressure Direct Injection Natural Gas Marine Engine. Energy & Fuels, 2021, 35, 6785-6797.	2.5	13
139	Influence of Fe₃O₄Nanoparticles on the Preparation of Aligned PLGA Electrospun Fibers Induced by Magnetic Field. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	12
140	Optical diagnostics on the effects of reverse reactivity stratification on the flame development in dual-fuel combustion. Fuel, 2021, 287, 119500.	3.4	12
141	Macrophage Polarization in Response to Biomaterials for Vascularization. Annals of Biomedical Engineering, 2021, 49, 1992-2005.	1.3	12
142	Silk fibroin scavenges hydroxyl radicals produced from a long-term stored water-soluble fullerene system. Journal of Materials Chemistry B, 2018, 6, 769-780.	2.9	11
143	Natural Flame Luminosity and Emission Spectra of Diesel Spray Flame under Oxygen-Enriched Condition in an Optical Constant Volume Vessel. , 0, , .		11
144	Double coating of graphene oxideâ€“polypyrrole on silk fibroin scaffolds for neural tissue engineering. Journal of Bioactive and Compatible Polymers, 2020, 35, 216-227.	0.8	11

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145	Study on effects of molecule structure on exhaust emissions from RCCI engine fueled with low alcohol isomers. Fuel, 2021, 304, 121339.	3.4	11
146	Study on effects of the hydroxyl group position and carbon chain length on combustion and emission characteristics of Reactivity Controlled Compression Ignition (RCCI) engine fueled with low-carbon straight chain alcohols. Energy, 2022, 239, 122259.	4.5	11
147	The impact of low temperature reforming (LTR) products of fuel-rich n-heptane on compression ignition engine combustion. Fuel, 2018, 229, 11-21.	3.4	10
148	Effect of Wall Temperature on Acetylene Diffusion Flameâ€“Wall Interaction Based on Optical Diagnostics and CFD Simulation. Energies, 2018, 11, 1264.	1.6	10
149	Theoretical analysis on the exergy destruction mechanisms and reduction under LTC relevant conditions. Proceedings of the Combustion Institute, 2019, 37, 4797-4804.	2.4	10
150	Preparation of ethanol and palm oil/palm kernel oil alternative biofuels based on property improvement and particle size analysis. Fuel, 2021, 305, 121569.	3.4	10
151	Alternative fuels in shipping: Discussion on the findings of two recently published, independent bibliometric studies. Journal of Cleaner Production, 2022, 338, 130651.	4.6	10
152	Trilayered sulfated silk fibroin vascular grafts enhanced with braided silk tube. Journal of Bioactive and Compatible Polymers, 2016, 31, 613-623.	0.8	9
153	Combustion Characteristics of Wall-Impinging Diesel Fuel Spray under Different Wall Temperatures. , 0, , .		9
154	Optical investigation on polyoxymethylene dimethyl ethers spray flame at different oxygen levels in a constant volume vessel. Science China Technological Sciences, 2021, 64, 1611-1623.	2.0	9
155	Effects of intake high-pressure compressed air on thermal-work conversion in a stationary diesel engine. International Journal of Green Energy, 2023, 20, 338-351.	2.1	9
156	Regulating Coupling Efficiency of REDV by Controlling Silk Fibroin Structure for Vascularization. ACS Biomaterials Science and Engineering, 2017, 3, 3515-3524.	2.6	8
157	Identification of factors affecting exergy destruction and engine eï¬ƒciency of various classes of fuel. Energy, 2020, 211, 118897.	4.5	8
158	Monodispersed silk fibroin microdroplets for protein stabilization. Applied Physics Letters, 2018, 112, .	1.5	7
159	Nanopharmaceutical-based regenerative medicine: a promising therapeutic strategy for spinal cord injury. Journal of Materials Chemistry B, 2021, 9, 2367-2383.	2.9	7
160	Simultaneous soot multi-parameter fields predictions in laminar sooting flames from neural network-based flame luminosity measurement I: methodology. Optics Letters, 2021, 46, 3869.	1.7	7
161	Bone marrow mesenchymal stem cell sheets with high expression of hBD3 and CTGF promote periodontal regeneration. Materials Science and Engineering C, 2022, 133, 112657.	3.8	7
162	Research on the Structure of Fish Collagen Nanofibers Influenced Cell Growth. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	6

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163	Combustion Mode Design with High Efficiency and Low Emissions Controlled by Mixtures Stratification and Fuel Reactivity. Frontiers in Mechanical Engineering, 2015, 1, .	0.8	6
164	Preparation of corn-oil as an alternative fuel and transcriptome analysis of metabolic pathway related to fuel component accumulation. Fuel, 2020, 275, 117931.	3.4	6
165	On the entropy generation and exergy loss of laminar premixed flame under engine-relevant conditions. Fuel, 2021, 283, 119245.	3.4	6
166	A machine learning approach assisting soot radiation-based thermometry to recover complete flame temperature field in a laminar flame. Applied Physics B: Lasers and Optics, 2021, 127, 1.	1.1	6
167	Vascular transplantation with dual-biofunctional ePTFE vascular grafts in a porcine model. Journal of Materials Chemistry B, 2021, 9, 7409-7422.	2.9	6
168	Supercritical thermophysical properties prediction of multi-component hydrocarbon fuels based on artificial neural network models. Science China Technological Sciences, 2022, 65, 903-919.	2.0	6
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170	Stem Cells in Musculoskeletal Regeneration: From Benchtop to Bedside. Stem Cells International, 2016, 2016, 1-2.	1.2	4
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