

Haifeng Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2652523/publications.pdf>

Version: 2024-02-01

181
papers

7,660
citations

46918

47
h-index

69108

77
g-index

182
all docs

182
docs citations

182
times ranked

5747
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of intake high-pressure compressed air on thermal-work conversion in a stationary diesel engine. <i>International Journal of Green Energy</i> , 2023, 20, 338-351.	2.1	9
2	Hydrogel Loaded with VEGF/TFEBâ€­Engineered Extracellular Vesicles for Rescuing Critical Limb Ischemia by a Dualâ€­Pathway Activation Strategy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2100334.	3.9	18
3	Low-carbon alcohol fuels for decarbonizing the road transportation industry: a bibliometric analysis 2000â€­2021. <i>Environmental Science and Pollution Research</i> , 2022, 29, 5577-5604.	2.7	19
4	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. <i>Energy</i> , 2022, 239, 122259.	4.5	11
5	Study on characteristics of marine heavy fuel oil and low carbon alcohol blended fuels at different temperatures. <i>Fuel</i> , 2022, 310, 122307.	3.4	23
6	Investigation on the ignition delay prediction model of multi-component surrogates based on back propagation (BP) neural network. <i>Combustion and Flame</i> , 2022, 237, 111852.	2.8	50
7	Optical diagnostics and chemical kinetic analysis on the dual-fuel combustion of methanol and high reactivity fuels. <i>Fuel</i> , 2022, 312, 122949.	3.4	29
8	Bone marrow mesenchymal stem cell sheets with high expression of hBD3 and CTGF promote periodontal regeneration. <i>Materials Science and Engineering C</i> , 2022, 133, 112657.	3.8	7
9	Alternative fuels in shipping: Discussion on the findings of two recently published, independent bibliometric studies. <i>Journal of Cleaner Production</i> , 2022, 338, 130651.	4.6	10
10	Effects of Unconventional Additives in Gasoline on the Performance of a Vehicle. <i>Energies</i> , 2022, 15, 1605.	1.6	1
11	Effects of Methanol Application on Carbon Emissions and Pollutant Emissions Using a Passenger Vehicle. <i>Processes</i> , 2022, 10, 525.	1.3	27
12	An overview of polyoxymethylene dimethyl ethers as alternative fuel for compression ignition engines. <i>Fuel</i> , 2022, 318, 123582.	3.4	36
13	Supercritical thermophysical properties prediction of multi-component hydrocarbon fuels based on artificial neural network models. <i>Science China Technological Sciences</i> , 2022, 65, 903-919.	2.0	6
14	Progress and Recent Trends in the Application of Nanoparticles as Low Carbon Fuel Additivesâ€­A State of the Art Review. <i>Nanomaterials</i> , 2022, 12, 1515.	1.9	14
15	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. <i>International Journal of Engine Research</i> , 2021, 22, 2318-2336.	1.4	23
16	Aligned graphene/silk fibroin conductive fibrous scaffolds for guiding neurite outgrowth in rat spinal cord neurons. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 488-499.	2.1	14
17	Threeâ€­dimensional silk fibroin scaffolds incorporated with graphene for bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 515-523.	2.1	19
18	On the entropy generation and exergy loss of laminar premixed flame under engine-relevant conditions. <i>Fuel</i> , 2021, 283, 119245.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Analysis of knocking combustion with methanol/iso-octane and ethanol/iso-octane blends in a spark-ignition engine. <i>Fuel</i> , 2021, 284, 118979.	3.4	18
20	Bilayer nicorandil-loaded small-diameter vascular grafts improve endothelial cell function via PI3K/AKT/eNOS pathway. <i>Bio-Design and Manufacturing</i> , 2021, 4, 72-86.	3.9	4
21	Effect of soybean oil/PODE/ethanol blends on combustion and emissions on a heavy-duty diesel engine. <i>Fuel</i> , 2021, 288, 119625.	3.4	17
22	Effects of water content on the solubility between Isopropanol-Butanol-Ethanol (IBE) and diesel fuel under various ambient temperatures. <i>Fuel</i> , 2021, 286, 119492.	3.4	22
23	Optical diagnostics on the effects of reverse reactivity stratification on the flame development in dual-fuel combustion. <i>Fuel</i> , 2021, 287, 119500.	3.4	12
24	Nanopharmaceutical-based regenerative medicine: a promising therapeutic strategy for spinal cord injury. <i>Journal of Materials Chemistry B</i> , 2021, 9, 2367-2383.	2.9	7
25	Machine learning-assisted soot temperature and volume fraction fields predictions in the ethylene laminar diffusion flames. <i>Optics Express</i> , 2021, 29, 1678.	1.7	14
26	A machine learning approach assisting soot radiation-based thermometry to recover complete flame temperature field in a laminar flame. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	6
27	Three-dimensional silk fibroin microsphere-nanofiber scaffolds for vascular tissue engineering. <i>Medicine in Novel Technology and Devices</i> , 2021, 9, 100051.	0.9	13
28	Investigation of the Combustion Kinetics Process in a High-Pressure Direct Injection Natural Gas Marine Engine. <i>Energy & Fuels</i> , 2021, 35, 6785-6797.	2.5	13
29	A Review of Thermal Management System and Control Strategy for Automotive Engines. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.0	28
30	Investigations on the effects of low temperature reforming of n-heptane/n-butanol blends on the flame development progress and combustion chemical kinetics. <i>Fuel</i> , 2021, 290, 120001.	3.4	5
31	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. <i>Combustion and Flame</i> , 2021, 227, 52-64.	2.8	29
32	Multiple optical diagnostics on effects of fuel properties on spray flames under oxygen-enriched conditions. <i>Fuel</i> , 2021, 291, 120129.	3.4	34
33	Macrophage Polarization in Response to Biomaterials for Vascularization. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1992-2005.	1.3	12
34	Hydrogel-based therapeutic angiogenesis: An alternative treatment strategy for critical limb ischemia. <i>Biomaterials</i> , 2021, 274, 120872.	5.7	20
35	Optical investigation on polyoxymethylene dimethyl ethers spray flame at different oxygen levels in a constant volume vessel. <i>Science China Technological Sciences</i> , 2021, 64, 1611-1623.	2.0	9
36	Simultaneous soot multi-parameter fields predictions in laminar sooting flames from neural network-based flame luminosity measurement I: methodology. <i>Optics Letters</i> , 2021, 46, 3869.	1.7	7

#	ARTICLE	IF	CITATIONS
37	A Mapping Approach for Efficient CFD Simulation of Low-Speed Large-Bore Marine Engine with Pre-Chamber and Dual-Fuel Operation. <i>Energies</i> , 2021, 14, 6126.	1.6	3
38	Reviewing two decades of cleaner alternative marine fuels: Towards IMO's decarbonization of the maritime transport sector. <i>Journal of Cleaner Production</i> , 2021, 320, 128871.	4.6	149
39	Gasoline spray characteristics using a high pressure common rail diesel injection system by the method of laser induced exciplex fluorescence. <i>Fuel</i> , 2021, 302, 121174.	3.4	23
40	Techno-economic feasibility of waste-to-energy technologies for investment in Ghana: A multicriteria assessment based on fuzzy TOPSIS approach. <i>Journal of Cleaner Production</i> , 2021, 318, 128515.	4.6	46
41	Study on effects of molecule structure on exhaust emissions from RCCI engine fueled with low alcohol isomers. <i>Fuel</i> , 2021, 304, 121339.	3.4	11
42	Preparation of ethanol and palm oil/palm kernel oil alternative biofuels based on property improvement and particle size analysis. <i>Fuel</i> , 2021, 305, 121569.	3.4	10
43	Preparation and performance improvement of methanol and palm oil/palm kernel oil blended fuel. <i>Fuel Processing Technology</i> , 2021, 223, 106996.	3.7	18
44	Vascular transplantation with dual-biofunctional ePTFE vascular grafts in a porcine model. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7409-7422.	2.9	6
45	Development of a simplified n-heptane/methane model for high-pressure direct-injection natural gas marine engines. <i>Frontiers in Energy</i> , 2021, 15, 405-420.	1.2	14
46	Quercetin loaded liposomes modified with galactosylated chitosan prevent LPS/D-GalN induced acute liver injury. <i>Materials Science and Engineering C</i> , 2021, 131, 112527.	3.8	15
47	Study on the Solubility between Diesel and Acetone–Butanol–Ethanol with or without Water. <i>Energy & Fuels</i> , 2020, 34, 1166-1176.	2.5	14
48	Effects of direct-injection fuel types and proportion on late-injection reactivity controlled compression ignition. <i>Combustion and Flame</i> , 2020, 211, 445-455.	2.8	53
49	Identification of factors affecting exergy destruction and engine efficiency of various classes of fuel. <i>Energy</i> , 2020, 211, 118897.	4.5	8
50	Experimental assessment of the sudden-reversal of the oxygen dilution effect on soot production in coflow ethylene flames II: soot radiation and flame transition analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 255, 107261.	1.1	3
51	Improving Chronic Diabetic Wound Healing through an Injectable and Self-Healing Hydrogel with Platelet-Rich Plasma Release. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55659-55674.	4.0	99
52	Development of the ignition delay prediction model of n-butane/hydrogen mixtures based on artificial neural network. <i>Energy and AI</i> , 2020, 2, 100033.	5.8	21
53	Effects of Gasoline Octane Number on Fuel Consumption and Emissions in Two Vehicles Equipped with GDI and PFI Spark-Ignition Engine. <i>Journal of Energy Engineering - ASCE</i> , 2020, 146, .	1.0	20
54	Double coating of graphene oxide–polypyrrole on silk fibroin scaffolds for neural tissue engineering. <i>Journal of Bioactive and Compatible Polymers</i> , 2020, 35, 216-227.	0.8	11

#	ARTICLE	IF	CITATIONS
55	Optical diagnostics on the effects of fuel properties and coolant temperatures on combustion characteristic and flame development progress from HCCI to CDC via PPC. <i>Fuel</i> , 2020, 269, 117441.	3.4	23
56	Investigation on the dual-fuel active-thermal atmosphere combustion strategy based on optical diagnostics and numerical simulations. <i>Fuel</i> , 2020, 276, 118023.	3.4	21
57	Endothelial Progenitor Cell-Derived Extracellular Vesicles: A Novel Candidate for Regenerative Medicine and Disease Treatment. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000255.	3.9	33
58	A moisturizing chitosan-silk fibroin dressing with silver nanoparticles-adsorbed exosomes for repairing infected wounds. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7197-7212.	2.9	58
59	A resazurin-based, nondestructive assay for monitoring cell proliferation during a scaffold-based 3D culture process. <i>International Journal of Energy Production and Management</i> , 2020, 7, 271-281.	1.9	21
60	Macro and micro solubility between low-carbon alcohols and rapeseed oil using different co-solvents. <i>Fuel</i> , 2020, 270, 117511.	3.4	24
61	Preparation of corn-oil as an alternative fuel and transcriptome analysis of metabolic pathway related to fuel component accumulation. <i>Fuel</i> , 2020, 275, 117931.	3.4	6
62	Effects of diesel-ethanol-THF blend fuel on the performance and exhaust emissions on a heavy-duty diesel engine. <i>Fuel</i> , 2020, 271, 117633.	3.4	52
63	Study on influencing factors of particle emissions from a RCCI engine with variation of premixing ratio and total cycle energy. <i>Energy</i> , 2020, 202, 117707.	4.5	29
64	Kinetic Study of the Ignition Process of Methane/n-Heptane Fuel Blends under High-Pressure Direct-Injection Natural Gas Engine Conditions. <i>Energy & Fuels</i> , 2020, 34, 14796-14813.	2.5	15
65	Effect of Electrospun Silk Fibroin-Silk Sericin Films on Macrophage Polarization and Vascularization. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 3502-3512.	2.6	32
66	Optical diagnostics on the reactivity controlled compression ignition (RCCI) with micro direct-injection strategy. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4767-4775.	2.4	30
67	Spray and flame characteristics of wall-impinging diesel fuel spray at different wall temperatures and ambient pressures in a constant volume combustion vessel. <i>Fuel</i> , 2019, 235, 416-425.	3.4	93
68	A comparative study on partially premixed combustion (PPC) and reactivity controlled compression ignition (RCCI) in an optical engine. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4759-4766.	2.4	76
69	An Investigation of the Influence of Gas Injection Rate Shape on High-Pressure Direct-Injection Natural Gas Marine Engines. <i>Energies</i> , 2019, 12, 2571.	1.6	18
70	Analysis of near wall combustion and pollutant migration after spray impingement. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 569-579.	2.5	24
71	Experimental study on the partially premixed combustion (PPC) fueled with n-butanol. <i>Fuel</i> , 2019, 257, 116000.	3.4	16
72	Effects of injection strategies on low-speed marine engines using the dual fuel of high-pressure direct-injection natural gas and diesel. <i>Energy Science and Engineering</i> , 2019, 7, 1994-2010.	1.9	34

#	ARTICLE	IF	CITATIONS
73	Effects of Flame Temperature on PAHs and Soot Evolution in Partially Premixed and Diffusion Flames of a Diesel Surrogate. <i>Energy & Fuels</i> , 2019, 33, 11821-11829.	2.5	50
74	Effect of diesel/PODE/ethanol blends on combustion and emissions of a heavy duty diesel engine. <i>Fuel</i> , 2019, 257, 116064.	3.4	75
75	Study on single-fuel reactivity controlled compression ignition combustion through low temperature reforming. <i>Combustion and Flame</i> , 2019, 199, 429-440.	2.8	13
76	Investigation on Blending Effects of Gasoline Fuel with N-Butanol, DMF, and Ethanol on the Fuel Consumption and Harmful Emissions in a GDI Vehicle. <i>Energies</i> , 2019, 12, 1845.	1.6	66
77	Effects of diluents on cycle-by-cycle variations in a spark ignition engine fueled with methanol. <i>Energy</i> , 2019, 182, 1132-1140.	4.5	26
78	Surface Modification of Multiple Bioactive Peptides to Improve Endothelialization of Vascular Grafts. <i>Macromolecular Bioscience</i> , 2019, 19, e1800368.	2.1	36
79	Effects of various co-solvents on the solubility between blends of soybean oil with either methanol or ethanol. <i>Fuel</i> , 2019, 244, 461-471.	3.4	57
80	Effects of polyoxymethylene dimethyl ethers on the solubility of ethanol/diesel and hydrous ethanol/diesel fuel blends. <i>Energy Science and Engineering</i> , 2019, 7, 2855-2865.	1.9	20
81	Influence of n-butanol-diesel-PODE3-4 fuels coupled pilot injection strategy on combustion and emission characteristics of diesel engine. <i>Fuel</i> , 2019, 236, 313-324.	3.4	37
82	Effects of C3-C5 alcohols on solubility of alcohols/diesel blends. <i>Fuel</i> , 2019, 236, 65-74.	3.4	78
83	Theoretical analysis on the exergy destruction mechanisms and reduction under LTC relevant conditions. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 4797-4804.	2.4	10
84	Study on the flame development patterns and flame speeds from homogeneous charge to stratified charge by fueling n-heptane in an optical engine. <i>Combustion and Flame</i> , 2019, 199, 213-229.	2.8	42
85	Monodispersed silk fibroin microdroplets for protein stabilization. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	7
86	Experimental study on combustion and emissions of n-butanol/biodiesel under both blended fuel mode and dual fuel RCCI mode. <i>Fuel</i> , 2018, 226, 240-251.	3.4	118
87	Experimental study on combustion and emissions of dual fuel RCCI mode fueled with biodiesel/n-butanol, biodiesel/2,5-dimethylfuran and biodiesel/ethanol. <i>Energy</i> , 2018, 148, 824-838.	4.5	145
88	Influence of fuel properties on multi-cylinder PPC operation over a wide range of EGR and operating conditions. <i>Fuel</i> , 2018, 215, 352-362.	3.4	19
89	Silk fibroin scavenges hydroxyl radicals produced from a long-term stored water-soluble fullerene system. <i>Journal of Materials Chemistry B</i> , 2018, 6, 769-780.	2.9	11
90	Effects of port injection of hydrous ethanol on combustion and emission characteristics in dual-fuel reactivity controlled compression ignition (RCCI) mode. <i>Energy</i> , 2018, 145, 592-602.	4.5	65

#	ARTICLE	IF	CITATIONS
91	Pilot injection strategy management of gasoline compression ignition (GCI) combustion in a multi-cylinder diesel engine. <i>Fuel</i> , 2018, 221, 116-127.	3.4	43
92	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. <i>Combustion and Flame</i> , 2018, 188, 129-141.	2.8	93
93	A theoretical and experimental study on the effects of parameters of two-stage turbocharging system on performance of a heavy-duty diesel engine. <i>Applied Thermal Engineering</i> , 2018, 129, 822-832.	3.0	53
94	Gasoline compression ignition operation on a multi-cylinder heavy duty diesel engine. <i>Fuel</i> , 2018, 215, 339-351.	3.4	34
95	Enhancing neural differentiation of induced pluripotent stem cells by conductive graphene/silk fibroin films. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2973-2983.	2.1	41
96	The impact of low temperature reforming (LTR) products of fuel-rich n-heptane on compression ignition engine combustion. <i>Fuel</i> , 2018, 229, 11-21.	3.4	10
97	Facile incorporation of REDV into porous silk fibroin scaffolds for enhancing vascularization of thick tissues. <i>Materials Science and Engineering C</i> , 2018, 93, 96-105.	3.8	17
98	Investigation on the Potential of High Efficiency for Internal Combustion Engines. <i>Energies</i> , 2018, 11, 513.	1.6	42
99	Study on Fuel Distribution of Wall-Impinging Diesel Spray under Different Wall Temperatures by Laser-Induced Exciplex Fluorescence (LIEF). <i>Energies</i> , 2018, 11, 1249.	1.6	17
100	Effect of Wall Temperature on Acetylene Diffusion Flame-Wall Interaction Based on Optical Diagnostics and CFD Simulation. <i>Energies</i> , 2018, 11, 1264.	1.6	10
101	Experimental investigation of the effects of diesel fuel properties on combustion and emissions on a multi-cylinder heavy-duty diesel engine. <i>Energy Conversion and Management</i> , 2018, 171, 1787-1800.	4.4	52
102	Effects of charge concentration and reactivity stratification on combustion and emission characteristics of a PFI-DI dual injection engine under low load condition. <i>Fuel</i> , 2018, 231, 26-36.	3.4	36
103	A theoretical study on the effects of thermal barrier coating on diesel engine combustion and emission characteristics. <i>Energy</i> , 2018, 162, 744-752.	4.5	25
104	Preparation of silk fibroin carriers for controlled release. <i>Microscopy Research and Technique</i> , 2017, 80, 312-320.	1.2	35
105	Silk fibroin for vascular regeneration. <i>Microscopy Research and Technique</i> , 2017, 80, 280-290.	1.2	46
106	Silk fibroin scaffold as a potential choice for female pelvic reconstruction: A study on the biocompatibility in abdominal wall, pelvic, and vagina. <i>Microscopy Research and Technique</i> , 2017, 80, 291-297.	1.2	16
107	Study on ignition and flame development in gasoline partially premixed combustion using multiple optical diagnostics. <i>Combustion and Flame</i> , 2017, 177, 98-108.	2.8	75
108	Preparation and characterization of electrospun graphene/silk fibroin conductive fibrous scaffolds. <i>RSC Advances</i> , 2017, 7, 7954-7963.	1.7	38

#	ARTICLE	IF	CITATIONS
109	Multiple optical diagnostics on effect of fuel stratification degree on reactivity controlled compression ignition. <i>Fuel</i> , 2017, 202, 688-698.	3.4	73
110	A numerical study of spray/wall impingement based on droplet impact phenomenon. <i>International Journal of Heat and Mass Transfer</i> , 2017, 112, 401-412.	2.5	40
111	A porous sodium polyacrylate-grafted chitosan xerogel for severe hemorrhage control synthesized from one-pot reaction. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4845-4851.	2.9	19
112	Effect of Fuels with Different Distillation Temperatures on Performance and Emissions of a Diesel Engine Run at Various Injection Pressures and Timings. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	14
113	Soot reduction effects of the addition of four butanol isomers on partially premixed flames of diesel surrogates. <i>Combustion and Flame</i> , 2017, 177, 123-136.	2.8	103
114	Biomaterial Scaffolds for Reproductive Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1592-1607.	1.3	24
115	Regulating Coupling Efficiency of REDV by Controlling Silk Fibroin Structure for Vascularization. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3515-3524.	2.6	8
116	An asymmetric wettable chitosan-silk fibroin composite dressing with fixed silver nanoparticles for infected wound repair: in vitro and in vivo evaluation. <i>RSC Advances</i> , 2017, 7, 43909-43920.	1.7	29
117	Influence of Micropatterned Silk Fibroin Films on Human Umbilical Endothelial Cell Behaviors. <i>Journal of Medical and Biological Engineering</i> , 2017, 37, 750-759.	1.0	4
118	Optical study of spray-wall impingement impact on early-injection gasoline partially premixed combustion at low engine load. <i>Applied Energy</i> , 2017, 185, 708-719.	5.1	85
119	Shear stress with appropriate time-step and amplification enhances endothelial cell retention on vascular grafts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2965-2978.	1.3	13
120	Stem Cells in Musculoskeletal Regeneration: From Benchtop to Bedside. <i>Stem Cells International</i> , 2016, 2016, 1-2.	1.2	4
121	Study on the Double Injection Strategy of Gasoline Partially Premixed Combustion under a Light-Duty Optical Engine. <i>SAE International Journal of Engines</i> , 2016, 9, 2185-2193.	0.4	13
122	Cell-based strategies for vascular regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1297-1314.	2.1	19
123	Effects of six-carbon alcohols, ethers and ketones with chain or ring molecular structures on diesel low temperature combustion. <i>Energy Conversion and Management</i> , 2016, 124, 480-491.	4.4	41
124	Experimental study on the combustion and emissions fueling biodiesel/n-butanol, biodiesel/ethanol and biodiesel/2,5-dimethylfuran on a diesel engine. <i>Energy</i> , 2016, 115, 539-549.	4.5	96
125	Effects of different alcohols additives on solubility of hydrous ethanol/diesel fuel blends. <i>Fuel</i> , 2016, 184, 440-448.	3.4	79
126	Fabrication of water-stable silk fibroin scaffolds through self-assembly of proteins. <i>RSC Advances</i> , 2016, 6, 61402-61409.	1.7	22

#	ARTICLE	IF	CITATIONS
127	Trilayered sulfated silk fibroin vascular grafts enhanced with braided silk tube. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 613-623.	0.8	9
128	Numerical study of spray micro-droplet impinging on dry/wet wall. <i>Applied Thermal Engineering</i> , 2016, 95, 1-9.	3.0	25
129	Hydroxyapatite-containing silk fibroin nanofibrous scaffolds for tissue-engineered periosteum. <i>RSC Advances</i> , 2016, 6, 19463-19474.	1.7	18
130	Silk scaffolds for musculoskeletal tissue engineering. <i>Experimental Biology and Medicine</i> , 2016, 241, 238-245.	1.1	48
131	Graphene-Based Materials in Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2015, 4, 1451-1468.	3.9	136
132	Combustion Mode Design with High Efficiency and Low Emissions Controlled by Mixtures Stratification and Fuel Reactivity. <i>Frontiers in Mechanical Engineering</i> , 2015, 1, .	0.8	6
133	Production and Application of Petroleum Oil and Its Alternatives on Internal Combustion Engines. <i>Journal of Chemistry</i> , 2015, 2015, 1-1.	0.9	1
134	Development of a reduced n-butanol/biodiesel mechanism for a dual fuel engine. <i>Fuel</i> , 2015, 157, 87-96.	3.4	27
135	A Skeletal Mechanism of a Biodiesel Surrogate Fuel for Compression Ignition Engines. <i>Energy & Fuels</i> , 2015, 29, 1160-1171.	2.5	15
136	Comparison of cellular responses of mesenchymal stem cells derived from bone marrow and synovium on combined silk scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 115-125.	2.1	16
137	Preparation and characterization of silk fibroin/poly(L-lactide-co- μ -caprolactone) nanofibrous membranes for tissue engineering applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 633-648.	0.8	15
138	PAHs formation simulation in the premixed laminar flames of TRF with alcohol addition using a semi-detailed combustion mechanism. <i>Fuel</i> , 2015, 155, 44-54.	3.4	22
139	A Multidisciplined Teaching Reform of Biomaterials Course for Undergraduate Students. <i>Journal of Science Education and Technology</i> , 2015, 24, 735-746.	2.4	2
140	Delivery of demineralized bone matrix powder using a salt-leached silk fibroin carrier for bone regeneration. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3177-3188.	2.9	25
141	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. <i>Energy Conversion and Management</i> , 2015, 90, 1-11.	4.4	193
142	Experimental study on diesel conventional and low temperature combustion by fueling four isomers of butanol. <i>Fuel</i> , 2015, 141, 109-119.	3.4	153
143	Study of the control strategies on soot reduction under early-injection conditions on a diesel engine. <i>Fuel</i> , 2015, 139, 472-481.	3.4	134
144	GS8-3 Sulfated silk fibroin scaffolds for vascular regeneration(GS8: Artificial Organs and) <i>Tj ETQqO O O rgBT /Overlock 10 Tf 50 67 Td (Biotechnology in Biomechanics</i> , 2015, 2015.8, 200.	0.0	0

#	ARTICLE	IF	CITATIONS
145	Physiological pulsatile flow culture conditions to generate functional endothelium on a sulfated silk fibroin nanofibrous scaffold. <i>Biomaterials</i> , 2014, 35, 4782-4791.	5.7	52
146	Experimental and Numerical Investigation on Soot Behavior of Soybean Biodiesel under Ambient Oxygen Dilution in Conventional and Low-Temperature Flames. <i>Energy & Fuels</i> , 2014, 28, 2663-2676.	2.5	21
147	A Reduced Chemical Kinetic Mechanism for Low Temperature Diesel Combustion and Soot Emissions. <i>Combustion Science and Technology</i> , 2014, 186, 1975-1990.	1.2	15
148	Experimental and simulation investigation of the combustion characteristics and emissions using n-butanol/biodiesel dual-fuel injection on a diesel engine. <i>Energy</i> , 2014, 74, 741-752.	4.5	140
149	Experimental and numerical study on soot formation and oxidation by using diesel fuel in constant volume chamber with various ambient oxygen concentrations. <i>Energy Conversion and Management</i> , 2014, 84, 152-163.	4.4	41
150	Time-resolved spray, flame, soot quantitative measurement fueling n-butanol and soybean biodiesel in a constant volume chamber under various ambient temperatures. <i>Fuel</i> , 2014, 133, 317-325.	3.4	70
151	Study on the spray and combustion characteristics of water-emulsified diesel. <i>Fuel</i> , 2014, 123, 218-229.	3.4	125
152	Research on the Structure of Fish Collagen Nanofibers Influenced Cell Growth. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	1.5	6
153	Effects of fuel properties on combustion and emissions under both conventional and low temperature combustion mode fueling 2,5-dimethylfuran/diesel blends. <i>Energy</i> , 2013, 62, 215-223.	4.5	72
154	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. <i>Applied Energy</i> , 2013, 112, 246-256.	5.1	152
155	Experimental study on combustion and emission characteristics of a diesel engine fueled with 2,5-dimethylfuran-diesel, n-butanol-diesel and gasoline-diesel blends. <i>Energy</i> , 2013, 54, 333-342.	4.5	177
156	Experimental investigation of the effects of diesel injection strategy on gasoline/diesel dual-fuel combustion. <i>Applied Energy</i> , 2013, 109, 202-212.	5.1	190
157	In Vitro Evaluation of Combined Sulfated Silk Fibroin Scaffolds for Vascular Cell Growth. <i>Macromolecular Bioscience</i> , 2013, 13, 755-766.	2.1	28
158	Combustion and emissions of 2,5-dimethylfuran addition on a diesel engine with low temperature combustion. <i>Fuel</i> , 2013, 103, 730-735.	3.4	107
159	Influence of Fe ₃ O ₄ Nanoparticles on the Preparation of Aligned PLGA Electrospun Fibers Induced by Magnetic Field. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	1.5	12
160	Electrospinning of Nanofibers for Tissue Engineering Applications. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-11.	1.5	114
161	Micro-/Nano- sized hydroxyapatite directs differentiation of rat bone marrow derived mesenchymal stem cells towards an osteoblast lineage. <i>Nanoscale</i> , 2012, 4, 2484.	2.8	88
162	Experimental study of n-butanol addition on performance and emissions with diesel low temperature combustion. <i>Energy</i> , 2012, 47, 515-521.	4.5	134

#	ARTICLE	IF	CITATIONS
163	Soot Emissions of Various Oxygenated Biofuels in Conventional Diesel Combustion and Low-Temperature Combustion Conditions. <i>Energy & Fuels</i> , 2012, 26, 1900-1911.	2.5	123
164	Experimental and numerical study on suitable diesel fuel surrogates in low temperature combustion conditions. <i>Fuel</i> , 2012, 97, 621-629.	3.4	66
165	Influence of temperature and mixture stratification on HCCI combustion using chemiluminescence images and CFD analysis. <i>Applied Thermal Engineering</i> , 2012, 33-34, 135-143.	3.0	76
166	The use of carbon nanotubes to induce osteogenic differentiation of human adipose-derived MSCs in vitro and ectopic bone formation in vivo. <i>Biomaterials</i> , 2012, 33, 4818-4827.	5.7	250
167	Improved Hemocompatibility and Endothelialization of Vascular Grafts by Covalent Immobilization of Sulfated Silk Fibroin on Poly(lactic-co-glycolic acid) Scaffolds. <i>Biomacromolecules</i> , 2011, 12, 2914-2924.	2.6	83
168	New developments of biomaterials course for biomedical engineering education. , 2011, , .		0
169	Electrospun sulfated silk fibroin nanofibrous scaffolds for vascular tissue engineering. <i>Biomaterials</i> , 2011, 32, 3784-3793.	5.7	192
170	A comparison of rabbit mesenchymal stem cells and anterior cruciate ligament fibroblasts responses on combined silk scaffolds. <i>Biomaterials</i> , 2008, 29, 1443-1453.	5.7	125
171	The interaction between a combined knitted silk scaffold and microporous silk sponge with human mesenchymal stem cells for ligament tissue engineering. <i>Biomaterials</i> , 2008, 29, 662-674.	5.7	192
172	Modification of sericin-free silk fibers for ligament tissue engineering application. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 82B, 129-138.	1.6	85
173	The Design and Optimized Combination of Combustion Modes over Full-Load Range in a Multi-cylinder Light-duty Engine. , 0, , .		3
174	Effects of Fuel Volatility on Combustion and Emissions over a Wide Range of EGR Rates in a Diesel Engine. , 0, , .		14
175	Effects of Dual Loop EGR on Performance and Emissions of a Diesel Engine. , 0, , .		26
176	Effects of Fuel Physical and Chemical Properties on Combustion and Emissions on Both Metal and Optical Diesel Engines and on a Partially Premixed Burner. , 0, , .		3
177	Effects of Dual Loop EGR and Variable Geometry Turbocharger on Performance and Emissions of a Diesel Engine. , 0, , .		14
178	A Numerical Study on Combustion and Emission Characteristics of Marine Engine through Miller Cycle Coupled with EGR and Water Emulsified Fuel. , 0, , .		13
179	Combustion Characteristics of Wall-Impinging Diesel Fuel Spray under Different Wall Temperatures. , 0, , .		9
180	Simultaneous Measurement of Natural Flame Luminosity and Emission Spectra in a RCCI Engine under Different Fuel Stratification Degrees. <i>SAE International Journal of Engines</i> , 0, 10, 1155-1162.	0.4	21

#	ARTICLE	IF	CITATIONS
181	Natural Flame Luminosity and Emission Spectra of Diesel Spray Flame under Oxygen-Enriched Condition in an Optical Constant Volume Vessel. , 0, , .		11