

# Richard J Brown

## List of Publications by Year in descending order

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148  
papers

4,753  
citations

81900

39  
h-index

128289

60  
g-index

150  
all docs

150  
docs citations

150  
times ranked

4383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Heterogeneous Photocatalytic Degradation of Phenols and Dyes in Wastewater: A Review. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 3-29.	2.4	324
2	Microalgal Species Selection for Biodiesel Production Based on Fuel Properties Derived from Fatty Acid Profiles. <i>Energies</i> , 2013, 6, 5676-5702.	3.1	254
3	A Review of Hydrothermal Liquefaction Bio-Crude Properties and Prospects for Upgrading to Transportation Fuels. <i>Energies</i> , 2015, 8, 6765-6794.	3.1	187
4	Global impacts of recent IMO regulations on marine fuel oil refining processes and ship emissions. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 70, 123-134.	6.8	177
5	Combustion analysis of microalgae methyl ester in a common rail direct injection diesel engine. <i>Fuel</i> , 2015, 143, 351-360.	6.4	122
6	The effect of triacetin as a fuel additive to waste cooking biodiesel on engine performance and exhaust emissions. <i>Fuel</i> , 2016, 182, 640-649.	6.4	100
7	Reductions in diesel emissions including PM and PN emissions with diesel-biodiesel blends. <i>Journal of Cleaner Production</i> , 2017, 166, 860-868.	9.3	94
8	Microalgae biodiesel: Current status and future needs for engine performance and emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1160-1170.	16.4	84
9	Exergy analysis of a diesel engine with waste cooking biodiesel and triacetin. <i>Energy Conversion and Management</i> , 2019, 198, 111912.	9.2	75
10	Gaseous and particle emissions from an ethanol fumigated compression ignition engine. <i>Energy Conversion and Management</i> , 2012, 54, 145-151.	9.2	73
11	A parametric study on engine performance and emissions with neat diesel and diesel-butanol blends in the 13-Mode European Stationary Cycle. <i>Energy Conversion and Management</i> , 2017, 148, 251-259.	9.2	73
12	Particle Emissions, Volatility, and Toxicity from an Ethanol Fumigated Compression Ignition Engine. <i>Environmental Science &amp; Technology</i> , 2010, 44, 229-235.	10.0	72
13	Influence of Fatty Acid Structure on Fuel Properties of Algae Derived Biodiesel. <i>Procedia Engineering</i> , 2013, 56, 591-596.	1.2	72
14	Diesel engine emissions with oxygenated fuels: A comparative study into cold-start and hot-start operation. <i>Journal of Cleaner Production</i> , 2017, 162, 997-1008.	9.3	71
15	Effect of Cell Wall Properties on Porosity and Shrinkage of Dried Apple. <i>International Journal of Food Properties</i> , 2015, 18, 2327-2337.	3.0	68
16	Fuel characterisation, engine performance, combustion and exhaust emissions with a new renewable Licella biofuel. <i>Energy Conversion and Management</i> , 2015, 96, 588-598.	9.2	67
17	Influence of fuel-oxygen content on morphology and nanostructure of soot particles. <i>Combustion and Flame</i> , 2019, 205, 206-219.	5.2	67
18	Inter-cycle variability of in-cylinder pressure parameters in an ethanol fumigated common rail diesel engine. <i>Energy</i> , 2013, 52, 55-65.	8.8	62

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19	Nitrogen and sulphur in algal biocrude: A review of the HTL process, upgrading, engine performance and emissions. <i>Energy Conversion and Management</i> , 2019, 181, 105-119.	9.2	62
20	Biodiesel Production from Non-Edible Beauty Leaf ( <i>Calophyllum inophyllum</i> ) Oil: Process Optimization Using Response Surface Methodology (RSM). <i>Energies</i> , 2014, 7, 5317-5331.	3.1	59
21	Was millennial scale climate change during the Last Glacial triggered by explosive volcanism?. <i>Scientific Reports</i> , 2015, 5, 17442.	3.3	55
22	On-board measurements of particle and gaseous emissions from a large cargo vessel at different operating conditions. <i>Environmental Pollution</i> , 2018, 237, 832-841.	7.5	55
23	Analysis of the dynamic characteristics of combustion instabilities in a pre-mixed lean-burn natural gas engine. <i>Applied Energy</i> , 2016, 183, 746-759.	10.1	54
24	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , 2013, 6, 3764-3806.	3.1	53
25	Performance evaluation of non-thermal plasma on particulate matter, ozone and CO <sub>2</sub> correlation for diesel exhaust emission reduction. <i>Chemical Engineering Journal</i> , 2015, 276, 240-248.	12.7	51
26	Measuring the regional availability of biomass for biofuels and the potential for microalgae. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 1271-1285.	16.4	51
27	Engine Performance during Transient and Steady-State Operation with Oxygenated Fuels. <i>Energy &amp; Fuels</i> , 2017, 31, 7510-7522.	5.1	50
28	LNG Regasification Terminals: The Role of Geography and Meteorology on Technology Choices. <i>Energies</i> , 2017, 10, 2152.	3.1	50
29	A comparative investigation into cold-start and hot-start operation of diesel engine performance with oxygenated fuels during transient and steady-state operation. <i>Fuel</i> , 2018, 228, 390-404.	6.4	49
30	An Overview of the Influence of Biodiesel, Alcohols, and Various Oxygenated Additives on the Particulate Matter Emissions from Diesel Engines. <i>Energies</i> , 2019, 12, 1987.	3.1	47
31	The impact of chemical composition of oxygenated fuels on morphology and nanostructure of soot particles. <i>Fuel</i> , 2020, 259, 116167.	6.4	46
32	Investigation of microalgae HTL fuel effects on diesel engine performance and exhaust emissions using surrogate fuels. <i>Energy Conversion and Management</i> , 2017, 152, 186-200.	9.2	45
33	Diesel engine performance and emissions with fuels derived from waste tyres. <i>Scientific Reports</i> , 2018, 8, 2457.	3.3	45
34	A review of fractional distillation to improve hydrothermal liquefaction biocrude characteristics; future outlook and prospects. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109355.	16.4	45
35	Effect of Pulsed Power on Particle Matter in Diesel Engine Exhaust Using a DBD Plasma Reactor. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 2349-2358.	1.3	44
36	Hydrothermal liquefaction of bagasse using ethanol and black liquor as solvents. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 630-638.	3.7	44

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37	Investigation of diesel engine performance and exhaust emissions of microalgae fuel components in a turbocharged diesel engine. <i>Energy Conversion and Management</i> , 2019, 186, 220-228.	9.2	44
38	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	10.3	42
39	Effect of temperature and moisture on high pressure lipid/oil extraction from microalgae. <i>Energy Conversion and Management</i> , 2014, 88, 307-316.	9.2	41
40	The influence of oxygenated fuels on transient and steady-state engine emissions. <i>Energy</i> , 2017, 121, 841-853.	8.8	41
41	Factors Affecting Microalgae Production for Biofuels and the Potentials of Chemometric Methods in Assessing and Optimizing Productivity. <i>Cells</i> , 2019, 8, 851.	4.1	41
42	Influence of fuel-borne oxygen on European Stationary Cycle: Diesel engine performance and emissions with a special emphasis on particulate and NO emissions. <i>Energy Conversion and Management</i> , 2016, 127, 187-198.	9.2	40
43	Engine blow-by with oxygenated fuels: A comparative study into cold and hot start operation. <i>Energy</i> , 2017, 140, 612-624.	8.8	40
44	Evaluating the link between the sulfur-rich Laacher See volcanic eruption and the Younger Dryas climate anomaly. <i>Climate of the Past</i> , 2018, 14, 969-990.	3.4	40
45	A micro-level investigation of the solid displacement method for porosity determination of dried food. <i>Journal of Food Engineering</i> , 2015, 166, 156-164.	5.2	39
46	Performance and exhaust emissions of diesel engines using microalgae FAME and the prospects for microalgae HTL biocrude. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 4269-4278.	16.4	39
47	Techno-economic analysis of the thermal liquefaction of sugarcane bagasse in ethanol to produce liquid fuels. <i>Applied Energy</i> , 2018, 224, 184-193.	10.1	34
48	An experimental study of the role of biodiesel on the performance of diesel particulate filters. <i>Fuel</i> , 2019, 247, 67-76.	6.4	34
49	Experimental Investigations of Physical and Chemical Properties for Microalgae HTL Bio-Crude Using a Large Batch Reactor. <i>Energies</i> , 2017, 10, 467.	3.1	33
50	Microalgae dewatering for biofuels: A comparative techno-economic assessment using single and two-stage technologies. <i>Journal of Cleaner Production</i> , 2019, 229, 325-336.	9.3	33
51	Multivariate analysis of performance and emission parameters in a diesel engine using biodiesel and oxygenated additive. <i>Energy Conversion and Management</i> , 2019, 201, 112183.	9.2	32
52	Analysis of cold-start NO <sub>2</sub> and NO <sub>x</sub> emissions, and the NO <sub>2</sub> /NO <sub>x</sub> ratio in a diesel engine powered with different diesel-biodiesel blends. <i>Environmental Pollution</i> , 2021, 290, 118052.	7.5	32
53	Investigation of the effects of the fatty acid profile on fuel properties using a multi-criteria decision analysis. <i>Energy Conversion and Management</i> , 2015, 98, 340-347.	9.2	31
54	A comparative study of the number and mass of fine particles emitted with diesel fuel and marine gas oil (MGO). <i>Atmospheric Environment</i> , 2012, 57, 22-28.	4.1	29

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55	Suspended sediment properties and suspended sediment flux estimates in an inundated urban environment during a major flood event. <i>Water Resources Research</i> , 2012, 48, .	4.2	26
56	Comparison of manual and automatic approaches for characterisation of morphology and nanostructure of soot particles. <i>Journal of Aerosol Science</i> , 2019, 136, 91-105.	3.8	26
57	Fractional distillation of algae based hydrothermal liquefaction biocrude for co-processing: changes in the properties, storage stability, and miscibility with diesel. <i>Energy Conversion and Management</i> , 2021, 236, 114005.	9.2	26
58	Experimental Analysis of the Morphology and Nanostructure of Soot Particles for Butanol/Diesel Blends at Different Engine Operating Modes. <i>Energy &amp; Fuels</i> , 2019, 33, 5632-5646.	5.1	25
59	Analysis of the nonlinear dynamics of inter-cycle combustion variations in an ethanol fumigation-diesel dual-fuel engine. <i>Nonlinear Dynamics</i> , 2019, 95, 2555-2574.	5.2	25
60	High-Resolution GNSS-Tracked Drifter for Studying Surface Dispersion in Shallow Water. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 579-590.	1.3	24
61	Liquefaction biocrudes and their petroleum crude blends for processing in conventional distillation units. <i>Fuel Processing Technology</i> , 2017, 167, 674-683.	7.2	24
62	Assessment of the use of a novel series of oxygenated fuels for a turbocharged diesel engine. <i>Journal of Cleaner Production</i> , 2019, 217, 549-558.	9.3	24
63	Bayesian models for the determination of resonant frequencies in a DI diesel engine. <i>Mechanical Systems and Signal Processing</i> , 2012, 26, 305-314.	8.0	23
64	Turbulence and Suspended Sediment Measurements in an Urban Environment during the Brisbane River Flood of January 2011. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 244-253.	1.5	23
65	Notable reductions in blow-by and particle emissions during cold and hot start operations from a turbocharged diesel engine using oxygenated fuels. <i>Fuel Processing Technology</i> , 2020, 203, 106394.	7.2	23
66	Cold-start NOx emissions: Diesel and waste lubricating oil as a fuel additive. <i>Fuel</i> , 2021, 286, 119430.	6.4	23
67	Impact of driving style and traffic condition on emissions and fuel consumption during real-world transient operation. <i>Fuel</i> , 2022, 319, 123874.	6.4	23
68	Inter-cycle variability of ignition delay in an ethanol fumigated common rail diesel engine. <i>Energy</i> , 2015, 84, 186-195.	8.8	22
69	Effect of sulphur and vanadium spiked fuels on particle characteristics and engine performance of auxiliary diesel engines. <i>Environmental Pollution</i> , 2018, 243, 1943-1951.	7.5	21
70	A comparison of particulate matter and gaseous emission factors from two large cargo vessels during manoeuvring conditions. <i>Energy Reports</i> , 2019, 5, 1390-1398.	5.1	21
71	Cationic polyacrylamide induced flocculation and turbulent dewatering of microalgae on a Britt Dynamic Drainage Jar. <i>Separation and Purification Technology</i> , 2020, 233, 116004.	7.9	21
72	The effect of diesel fuel sulphur and vanadium on engine performance and emissions. <i>Fuel</i> , 2020, 261, 116437.	6.4	21

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73	Soot particle morphology and nanostructure with oxygenated fuels: A comparative study into cold-start and hot-start operation. <i>Environmental Pollution</i> , 2021, 275, 116592.	7.5	21
74	Turbulent Measurements in a Small Subtropical Estuary with Semidiurnal Tides. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1665-1670.	1.5	20
75	A Bayesian approach to the determination of ignition delay. <i>Applied Thermal Engineering</i> , 2013, 60, 79-87.	6.0	20
76	Experimental Investigation of Diesel Engine Performance, Combustion and Emissions Using a Novel Series of Dioctyl Phthalate (DOP) Biofuels Derived from Microalgae. <i>Energies</i> , 2019, 12, 1964.	3.1	20
77	On-road NO <sub>x</sub> emissions of a modern commercial light-duty diesel vehicle using a blend of tyre oil and diesel. <i>Energy Reports</i> , 2019, 5, 349-356.	5.1	20
78	Muco-ciliary clearance: A review of modelling techniques. <i>Journal of Biomechanics</i> , 2020, 99, 109578.	2.1	20
79	Material and debris transport patterns in Moreton Bay, Australia: The influence of Lagrangian coherent structures. <i>Science of the Total Environment</i> , 2020, 721, 137715.	8.0	20
80	Physical and Chemical Stability of Bagasse Biocrude from Liquefaction Stored in Real Conditions. <i>Energy &amp; Fuels</i> , 2016, 30, 10499-10504.	5.1	19
81	Emissions and performance with diesel and waste lubricating oil: A fundamental study into cold start operation with a special focus on particle number size distribution. <i>Energy Conversion and Management</i> , 2020, 209, 112604.	9.2	19
82	Development of a reduced multi-component combustion mechanism for a diesel/natural gas dual fuel engine by cross-reaction analysis. <i>Fuel</i> , 2021, 293, 120388.	6.4	19
83	Performance and Combustion Characteristics Analysis of Multi-Cylinder CI Engine Using Essential Oil Blends. <i>Energies</i> , 2018, 11, 738.	3.1	18
84	Influence of doping Mg cation in Fe <sub>3</sub> O <sub>4</sub> lattice on its oxygen storage capacity to use as a catalyst for reducing emissions of a compression ignition engine. <i>Fuel</i> , 2020, 272, 117728.	6.4	18
85	Preliminary Measurements of Turbulence and Environmental Parameters in a Sub-Tropical Estuary of Eastern Australia. <i>Environmental Fluid Mechanics</i> , 2005, 5, 553-575.	1.6	17
86	Turbulence measurements in a small subtropical estuary under king tide conditions. <i>Environmental Fluid Mechanics</i> , 2012, 12, 265-289.	1.6	17
87	Evaluation of Residence Time on Nitrogen Oxides Removal in Non-Thermal Plasma Reactor. <i>PLoS ONE</i> , 2015, 10, e0140897.	2.5	17
88	Relative dispersion of clustered drifters in a small micro-tidal estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 1-15.	2.1	17
89	Novel biofuels derived from waste tyres and their effects on reducing oxides of nitrogen and particulate matter emissions. <i>Journal of Cleaner Production</i> , 2020, 242, 118463.	9.3	17
90	Engine Performance and Emissions Analysis in a Cold, Intermediate and Hot Start Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3839.	2.5	17

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91	Analysis of cycle-to-cycle variations in a common-rail compression ignition engine fuelled with diesel and biodiesel fuels. <i>Fuel</i> , 2021, 290, 120010.	6.4	16
92	New criterion for the stability of a human body in floodwaters. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 540-541.	1.7	15
93	Effect of cold start on engine performance and emissions from diesel engines using IMO-Compliant distillate fuels. <i>Environmental Pollution</i> , 2019, 255, 113260.	7.5	15
94	Combustion Analysis of a Diesel Engine during Warm up at Different Coolant and Lubricating Oil Temperatures. <i>Energies</i> , 2020, 13, 3931.	3.1	15
95	Improving the Accuracy of Hydrodynamic Model Predictions Using Lagrangian Calibration. <i>Water (Switzerland)</i> , 2020, 12, 575.	2.7	15
96	Eddy diffusivity: a single dispersion analysis of high resolution drifters in a tidal shallow estuary. <i>Environmental Fluid Mechanics</i> , 2016, 16, 923-943.	1.6	14
97	Stability of Individuals during Urban Inundations: What Should We Learn from Field Observations?. <i>Geosciences (Switzerland)</i> , 2018, 8, 341.	2.2	14
98	Engine performance and emissions of high nitrogen-containing fuels. <i>Fuel</i> , 2020, 264, 116805.	6.4	13
99	Scaling for the Prandtl number of the natural convection boundary layer of an inclined flat plate under uniform surface heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 2394-2401.	4.8	12
100	Application of Multicriteria Decision Making Methods to Compression Ignition Engine Efficiency and Gaseous, Particulate, and Greenhouse Gas Emissions. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1904-1912.	10.0	11
101	Energy and chemical conversion of five Australian lignocellulosic feedstocks into bio-crude through liquefaction. <i>RSC Advances</i> , 2017, 7, 27707-27717.	3.6	11
102	Turbulence characteristics of a small subtropical estuary during and after some moderate rainfall. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 661-670.	2.1	10
103	The capture and retention evaluation of a stormwater gross pollutant trap design. <i>Ecological Engineering</i> , 2015, 74, 56-59.	3.6	10
104	Three-Dimensional Numerical Analysis of Periciliary Liquid Layer: Ciliary Abnormalities in Respiratory Diseases. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4033.	2.5	10
105	The algebraic entropy of the special linear character automorphisms of a free group on two generators. <i>Transactions of the American Mathematical Society</i> , 2007, 359, 1445-1470.	0.9	10
106	The fate of nitrogen and sulphur during co-liquefaction of algae and bagasse: Experimental and multi-criterion decision analysis. <i>Biomass and Bioenergy</i> , 2021, 151, 106119.	5.7	9
107	Characteristics of flow fluctuations in a tide-dominated estuary: Application of triple decomposition technique. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 119-130.	2.1	8
108	Single-step dynamic dewatering of microalgae from dilute suspensions using flocculant assisted filtration. <i>Microbial Cell Factories</i> , 2020, 19, 222.	4.0	8

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109	Effects of enhanced fuel with Mg-doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles on combustion of a compression ignition engine: Influence of Mg cation concentration. Renewable and Sustainable Energy Reviews, 2021, 141, 110817.	16.4	8
110	Persistency of debris accumulation in tidal estuaries using Lagrangian coherent structures. Science of the Total Environment, 2021, 781, 146808.	8.0	8
111	On-road CO <sub>2</sub> and NO <sub>x</sub> emissions of a diesel vehicle in urban traffic. Transportation Research, Part D: Transport and Environment, 2022, 107, 103326.	6.8	8
112	Prandtl number scaling of the unsteady natural convection boundary layer adjacent to a vertical flat plate for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="italic" \rangle Pr \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ subject to ramp surface heat flux. International Journal of Heat and Mass Transfer, 2012, 55, 7046-7055.	4.8	7
113	Observation of the Dynamics and Horizontal Dispersion in a Shallow Intermittently Closed and Open Lake and Lagoon (ICOLL). Water (Switzerland), 2018, 10, 776.	2.7	7
114	Response of GPS-Tracked Drifters to Wind and Water Currents in a Tidal Estuary. IEEE Journal of Oceanic Engineering, 2019, 44, 1077-1089.	3.8	7
115	Synthesize of magnetite Mg-Fe mixed metal oxide nanocatalyst by urea-nitrate combustion method with optimal fuel ratio for reduction of emissions in diesel engines. Journal of Alloys and Compounds, 2020, 838, 155627.	5.5	7
116	Tracking areas with increased likelihood of surface particle aggregation in the Gulf of Finland: A first look at persistent Lagrangian Coherent Structures (LCS). Journal of Marine Systems, 2021, 217, 103514.	2.1	7
117	The effect of flocculants on the filtration of bagasse pulp pads. Tappi Journal, 2010, 9, 7-14.	0.5	7
118	Anosov mapping class actions on the $SU(2)$ -representation variety of a punctured torus. Ergodic Theory and Dynamical Systems, 1998, 18, 539-554.	0.6	6
119	Mixing and dispersion of pollutants emitted from an outboard motor. Marine Pollution Bulletin, 2013, 69, 19-27.	5.0	6
120	Transport and fate of inhaled particles after deposition onto the airway surface liquid: A 3D numerical study. Computers in Biology and Medicine, 2020, 117, 103595.	7.0	6
121	Assessment of an ensemble-based data assimilation system for a shallow estuary. Estuarine, Coastal and Shelf Science, 2021, 257, 107389.	2.1	6
122	In-cylinder pressure reconstruction by engine acoustic emission. Mechanical Systems and Signal Processing, 2021, 152, 107490.	8.0	5
123	Hydrodynamic modelling and model sensitivities to bed roughness and bathymetry offset in a micro-tidal estuary. Journal of Hydroinformatics, 2020, 22, 1536-1553.	2.4	5
124	Gaseous and particulate emissions analysis using microalgae based dioctyl phthalate biofuel during cold, warm and hot engine operation. Fuel, 2022, 312, 122965.	6.4	5
125	Experimental study of the concentration field of discharge from a boat propeller. Environmental Fluid Mechanics, 2010, 10, 657-675.	1.6	4
126	Comparative evaluation of the effect of sweet orange oil-diesel blend on performance and emissions of a multi-cylinder compression ignition engine. AIP Conference Proceedings, 2017, , .	0.4	4



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127	LNG regasification “ Effects of project stage decisions on capital expenditure and implications for gas pricing. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 78, 103291.	4.4	4
128	Characteristics of Particle Number and Particle Mass Emissions of a Diesel Engine during Cold-, Warm-, and Hot-Start Operation. , 0, , .		4
129	Structural characterisation of soot particles for cold-start and hot-start operation of a diesel engine. , 2020, , .		4
130	Nonlinear dynamics of cycle-to-cycle variations in a lean-burn natural gas engine with a non-uniform pre-mixture. <i>Nonlinear Dynamics</i> , 2021, 104, 2241-2258.	5.2	3
131	A Novel Method to Capture and Analyze Flow in a Gross Pollutant Trap Using Image-Based Vector Visualization. <i>Water, Air and Soil Pollution</i> , 2009, 9, 357-369.	0.8	2
132	Detection of Misfire in a Six-Cylinder Diesel Engine Using Acoustic Emission Signals. , 2018, , .		2
133	Identifying material repelling areas in coastal water systems through Lagrangian coherent structures. , 2020, , .		2
134	Particulate number emissions during cold-start with diesel and biofuels: A special focus on particle size distribution. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101953.	2.7	2
135	Engine performance and emissions from fuels containing nitrogen and sulphur. <i>Energy Conversion and Management: X</i> , 2022, 14, 100179.	1.6	2
136	Using Lagrangian coherent structures to investigate upwelling and physical process in the Gladstone coastal region. <i>Journal of Marine Systems</i> , 2022, 230, 103731.	2.1	2
137	A statistical model for combustion resonance from a DI diesel engine with applications. <i>Mechanical Systems and Signal Processing</i> , 2015, 60-61, 406-419.	8.0	1
138	Ethanol Fumigation and Engine Performance in a Diesel Engine. <i>Energy, Environment, and Sustainability</i> , 2021, , 191-212.	1.0	1
139	Sensitivity and robustness of Lagrangian coherent structures in coastal water systems. <i>Environmental Fluid Mechanics</i> , 2021, 21, 667-691.	1.6	1
140	Turbulent Mixing and Sediment Processes in Peri-Urban Estuaries in South-East Queensland (Australia). <i>Estuaries of the World</i> , 2014, , 167-183.	0.1	1
141	Quantification of inertial effect on the transport of macro-plastics in a tidal embayment. , 2020, , .		1
142	ICOPE-15-1020 Hampson type heat-exchanger technology and economic evaluation for LNG re-gasification and power generation At LNG receiving terminals. <i>The Proceedings of the International Conference on Power Engineering (ICOPE)</i> , 2015, 2015.12, _ICOPE-15-_ICOPE-15-.	0.0	1
143	Lagrangian Data Assimilation for Improving Model Estimates of Velocity Fields and Residual Currents in a Tidal Estuary. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11006.	2.5	1
144	Morphological and Nanostructural Characteristics of Diesel Exhaust Soot Particles at Different Engine Operating Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 409-417.	0.4	1

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145	The degree of the special linear characters of a rank two free group. Geometriae Dedicata, 2009, 142, 173-190.	0.3	0
146	Assimilation of GPS-tracked drifter data to improve the Eulerian velocity fields in an estuary. Estuarine, Coastal and Shelf Science, 2021, 262, 107575.	2.1	0
147	FL4-2: Analysis of Dual Fuel Compression Ignition (Diesel) Engine (FL: Fuels and Lubricants, General) Tj ETQq1 1 0.784314 rgBT /Overlo Combustion in Internal Combustion Engines, 2008, 2008.7, 839-846.	0.1	0
148	Synthesis and evaluation of catalytic activity of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles in a diesel engine: An experimental investigation and Multi-Criteria Decision Making approach. Journal of Cleaner Production, 2022, 365, 132818.	9.3	0