

Richard J Brown

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5944388/publications.pdf>

Version: 2024-02-01

169
papers

5,683
citations

66343

42
h-index

110387

64
g-index

171
all docs

171
docs citations

171
times ranked

5421
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Heterogeneous Photocatalytic Degradation of Phenols and Dyes in Wastewater: A Review. Water, Air, and Soil Pollution, 2011, 215, 3-29.	2.4	324
2	Microalgal Species Selection for Biodiesel Production Based on Fuel Properties Derived from Fatty Acid Profiles. Energies, 2013, 6, 5676-5702.	3.1	254
3	A Review of Hydrothermal Liquefaction Bio-Crude Properties and Prospects for Upgrading to Transportation Fuels. Energies, 2015, 8, 6765-6794.	3.1	187
4	Global impacts of recent IMO regulations on marine fuel oil refining processes and ship emissions. Transportation Research, Part D: Transport and Environment, 2019, 70, 123-134.	6.8	177
5	Shipping emissions and their impacts on air quality in China. Science of the Total Environment, 2017, 581-582, 186-198.	8.0	128
6	Combustion analysis of microalgae methyl ester in a common rail direct injection diesel engine. Fuel, 2015, 143, 351-360.	6.4	122
7	Bisphosphonates Are Incorporated into Adenine Nucleotides by Human Aminoacyl-tRNA Synthetase Enzymes. Biochemical and Biophysical Research Communications, 1996, 224, 863-869.	2.1	114
8	The effect of triacetin as a fuel additive to waste cooking biodiesel on engine performance and exhaust emissions. Fuel, 2016, 182, 640-649.	6.4	100
9	Reductions in diesel emissions including PM and PN emissions with diesel-biodiesel blends. Journal of Cleaner Production, 2017, 166, 860-868.	9.3	94
10	Microalgae biodiesel: Current status and future needs for engine performance and emissions. Renewable and Sustainable Energy Reviews, 2017, 79, 1160-1170.	16.4	84
11	3D crystal size distributions: A case study on quantifying olivine populations in kimberlites. Lithos, 2009, 112, 223-235.	1.4	78
12	Exergy analysis of a diesel engine with waste cooking biodiesel and triacetin. Energy Conversion and Management, 2019, 198, 111912.	9.2	75
13	Gaseous and particle emissions from an ethanol fumigated compression ignition engine. Energy Conversion and Management, 2012, 54, 145-151.	9.2	73
14	A parametric study on engine performance and emissions with neat diesel and diesel-butanol blends in the 13-Mode European Stationary Cycle. Energy Conversion and Management, 2017, 148, 251-259.	9.2	73
15	Particle Emissions, Volatility, and Toxicity from an Ethanol Fumigated Compression Ignition Engine. Environmental Science & Technology, 2010, 44, 229-235.	10.0	72
16	Influence of Fatty Acid Structure on Fuel Properties of Algae Derived Biodiesel. Procedia Engineering, 2013, 56, 591-596.	1.2	72
17	Diesel engine emissions with oxygenated fuels: A comparative study into cold-start and hot-start operation. Journal of Cleaner Production, 2017, 162, 997-1008.	9.3	71
18	Effect of Cell Wall Properties on Porosity and Shrinkage of Dried Apple. International Journal of Food Properties, 2015, 18, 2327-2337.	3.0	68

#	ARTICLE	IF	CITATIONS
19	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
20	Influence of fuel-oxygen content on morphology and nanostructure of soot particles. <i>Combustion and Flame</i> , 2019, 205, 206-219.	5.2	67
21	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
22	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
23	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
24	Age and geochemistry of tephra layers from Ischia, Italy: constraints from proximal-distal correlations with Lago Grande di Monticchio. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 287, 22-39.	2.1	55
25	Was millennial scale climate change during the Last Glacial triggered by explosive volcanism?. <i>Scientific Reports</i> , 2015, 5, 17442.	3.3	55
26	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
27	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
28	Eruption of kimberlite magmas: physical volcanology, geomorphology and age of the youngest kimberlitic volcanoes known on earth (the Upper Pleistocene/Holocene Igwisi Hills volcanoes, Tj ETQq0 0 0 rgBT / Overlock 163f 50 377		
29	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , 2013, 6, 3764-3806.	3.1	53
30	Performance evaluation of non-thermal plasma on particulate matter, ozone and CO2 correlation for diesel exhaust emission reduction. <i>Chemical Engineering Journal</i> , 2015, 276, 240-248.	12.7	51
31	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
32	Fuel properties and emission characteristics of essential oil blends in a compression ignition engine. <i>Fuel</i> , 2019, 238, 440-453.	6.4	51
33	Engine Performance during Transient and Steady-State Operation with Oxygenated Fuels. <i>Energy & Fuels</i> , 2017, 31, 7510-7522.	5.1	50
34	LNG Regasification Terminals: The Role of Geography and Meteorology on Technology Choices. <i>Energies</i> , 2017, 10, 2152.	3.1	50
35	The architecture of submarine monogenetic volcanoes – insights from 3D seismic data. <i>Basin Research</i> , 2018, 30, 437-451.	2.7	50
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	The impact of chemical composition of oxygenated fuels on morphology and nanostructure of soot particles. <i>Fuel</i> , 2020, 259, 116167.	6.4	46
39	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
40	Diesel engine performance and emissions with fuels derived from waste tyres. <i>Scientific Reports</i> , 2018, 8, 2457.	3.3	45
41	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
42	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
43	Hydrothermal liquefaction of bagasse using ethanol and black liquor as solvents. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 630-638.	3.7	44
44	Influence of oxygen content of the certain types of biodiesels on particulate oxidative potential. <i>Science of the Total Environment</i> , 2016, 545-546, 381-388.	8.0	44
45	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
46	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	10.3	42
47	Ålva flows in the Deccan Volcanic Province, India, and their significance for the nature of continental flood basalt eruptions. <i>Bulletin of Volcanology</i> , 2011, 73, 737-752.	3.0	41
48	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
49	The influence of oxygenated fuels on transient and steady-state engine emissions. <i>Energy</i> , 2017, 121, 841-853.	8.8	41
50	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
51	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
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Impactoclastic Density Current Emplacement of Terrestrial Meteorite-Impact Ejecta and the Formation of Dust Pellets and Accretionary Lapilli: Evidence from Stac Fada, Scotland. <i>Journal of Geology</i> , 2011, 119, 275-292.	1.4	38
56	Internal flow variations and diachronous sedimentation within extensive, sustained, density-stratified pyroclastic density currents flowing down gentle slopes, as revealed by the internal architectures of ignimbrites on Tenerife. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	3.0	36
57	Particle emissions from microalgae biodiesel combustion and their relative oxidative potential. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1601-1610.	3.5	36
58	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
59	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
60	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
61	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
62	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
63	Analysis of cold-start NO ₂ and NO _x emissions, and the NO ₂ /NO _x ratio in a diesel engine powered with different diesel-biodiesel blends. <i>Environmental Pollution</i> , 2021, 290, 118052.	7.5	32
64	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
65	The 2013 eruption of Chaparrastique volcano (El Salvador): Effects of magma storage, mixing, and decompression. <i>Chemical Geology</i> , 2017, 448, 110-122.	3.3	30
66	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
67	Measurement of standby power for selected electrical appliances in Australia. <i>Energy and Buildings</i> , 2011, 43, 485-490.	6.7	26
68	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
69	The petrophysical and petrographical properties of hyaloclastite deposits: Implications for petroleum exploration. <i>AAPG Bulletin</i> , 2014, 98, 449-463.	1.5	26
70	Oxidative potential of gas phase combustion emissions - An underestimated and potentially harmful component of air pollution from combustion processes. <i>Atmospheric Environment</i> , 2017, 158, 227-235.	4.1	26
71	Sandstone Diagenesis in Sedimentâ€“lava Sequences: Exceptional Examples of Volcanically Driven Diagenetic Compartmentalization in Dune Valley, Huab Outliers, Nw Namibia. <i>Journal of Sedimentary Research</i> , 2017, 87, 1314-1335.	1.6	26
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Experimental Analysis of the Morphology and Nanostructure of Soot Particles for Butanol/Diesel Blends at Different Engine Operating Modes. <i>Energy & Fuels</i> , 2019, 33, 5632-5646.	5.1	25
75	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
76	Determination of Effective Moisture Diffusivity of Banana Using Thermogravimetric Analysis. <i>Procedia Engineering</i> , 2014, 90, 538-543.	1.2	24
77	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
78	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
79	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
80	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
81	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
82	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
83	Cold-start NOx emissions: Diesel and waste lubricating oil as a fuel additive. <i>Fuel</i> , 2021, 286, 119430.	6.4	23
84	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
85	Inter-cycle variability of ignition delay in an ethanol fumigated common rail diesel engine. <i>Energy</i> , 2015, 84, 186-195.	8.8	22
86	Bridging the gap: $^{40}\text{Ar}/^{39}\text{Ar}$ dating of volcanic eruptions from the "Age of Discovery". <i>Geology</i> , 2018, 46, 1035-1038.	4.4	21
87	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
88	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
89	Study of performance, combustion and emission characteristics of a common rail diesel engine with tea tree oil-diglyme blends. <i>Energy</i> , 2019, 180, 216-228.	8.8	21
90	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

#	ARTICLE	IF	CITATIONS
91	The effect of diesel fuel sulphur and vanadium on engine performance and emissions. <i>Fuel</i> , 2020, 261, 116437.	6.4	21
92	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
93	Turbulent Measurements in a Small Subtropical Estuary with Semidiurnal Tides. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1665-1670.	1.5	20
94	Emplacement temperatures of pyroclastic and volcanoclastic deposits in kimberlite pipes in southern Africa. <i>Bulletin of Volcanology</i> , 2011, 73, 1063-1083.	3.0	20
95	A Bayesian approach to the determination of ignition delay. <i>Applied Thermal Engineering</i> , 2013, 60, 79-87.	6.0	20
96	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
97	On-road NO _x 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
98	Muco-ciliary clearance: A review of modelling techniques. <i>Journal of Biomechanics</i> , 2020, 99, 109578.	2.1	20
99	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
100	Physical and Chemical Stability of Bagasse Biocrude from Liquefaction Stored in Real Conditions. <i>Energy & Fuels</i> , 2016, 30, 10499-10504.	5.1	19
101	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
102	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
103	Performance and Combustion Characteristics Analysis of Multi-Cylinder CI Engine Using Essential Oil Blends. <i>Energies</i> , 2018, 11, 738.	3.1	18
104	Influence of doping Mg cation in Fe ₃ O ₄ 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
105	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
106	Turbulence measurements in a small subtropical estuary under king tide conditions. <i>Environmental Fluid Mechanics</i> , 2012, 12, 265-289.	1.6	17
107	Evaluation of Residence Time on Nitrogen Oxides Removal in Non-Thermal Plasma Reactor. <i>PLoS ONE</i> , 2015, 10, e0140897.	2.5	17
108	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

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	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
112	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
113	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
114	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
115	Improving the Accuracy of Hydrodynamic Model Predictions Using Lagrangian Calibration. <i>Water (Switzerland)</i> , 2020, 12, 575.	2.7	15
116	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
117	Stability of Individuals during Urban Inundations: What Should We Learn from Field Observations?. <i>Geosciences (Switzerland)</i> , 2018, 8, 341.	2.2	14
118	Influence of diglyme addition to diesel-biodiesel blends on notable reductions of particulate matter and number emissions. <i>Fuel</i> , 2019, 253, 811-822.	6.4	14
119	Engine performance and emissions of high nitrogen-containing fuels. <i>Fuel</i> , 2020, 264, 116805.	6.4	13
120	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
121	Pressure Filtration of Australian Bagasse Pulp. <i>Transport in Porous Media</i> , 2011, 86, 737-751.	2.6	11
122	Application of Multicriteria Decision Making Methods to Compression Ignition Engine Efficiency and Gaseous, Particulate, and Greenhouse Gas Emissions. <i>Environmental Science & Technology</i> , 2013, 47, 1904-1912.	10.0	11
123	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
124	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
125	The capture and retention evaluation of a stormwater gross pollutant trap design. <i>Ecological Engineering</i> , 2015, 74, 56-59.	3.6	10
126	Three-Dimensional Numerical Analysis of Periciliary Liquid Layer: Ciliary Abnormalities in Respiratory Diseases. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4033.	2.5	10

#	ARTICLE	IF	CITATIONS
127	Origins of olivine in Earth's youngest kimberlite: Igwisi Hills volcanoes, Tanzania craton. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	9
128	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
129	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
130	Single-step dynamic dewatering of microalgae from dilute suspensions using flocculant assisted filtration. <i>Microbial Cell Factories</i> , 2020, 19, 222.	4.0	8
131	Effects of enhanced fuel with Mg-doped Fe ₃ O ₄ nanoparticles on combustion of a compression ignition engine: Influence of Mg cation concentration. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110817.	16.4	8
132	Persistency of debris accumulation in tidal estuaries using Lagrangian coherent structures. <i>Science of the Total Environment</i> , 2021, 781, 146808.	8.0	8
133	Prandtl number scaling of the unsteady natural convection boundary layer adjacent to a vertical flat plate for $\Pr > 1$ subject to ramp surface heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7246-7255.	4.8	7
134	Observation of the Dynamics and Horizontal Dispersion in a Shallow Intermittently Closed and Open Lake and Lagoon (ICOLL). <i>Water (Switzerland)</i> , 2018, 10, 776.	2.7	7
135	Response of GPS-Tracked Drifters to Wind and Water Currents in a Tidal Estuary. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 1077-1089.	3.8	7
136	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. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155627.	5.5	7
137	Tracking areas with increased likelihood of surface particle aggregation in the Gulf of Finland: A first look at persistent Lagrangian Coherent Structures (LCS). <i>Journal of Marine Systems</i> , 2021, 217, 103514.	2.1	7
138	The effect of flocculants on the filtration of bagasse pulp pads. <i>Tappi Journal</i> , 2010, 9, 7-14.	0.5	7
139	Mixing and dispersion of pollutants emitted from an outboard motor. <i>Marine Pollution Bulletin</i> , 2013, 69, 19-27.	5.0	6
140	Numerical Modelling of Biodiesel Blends in a Diesel Engine. <i>Energy Procedia</i> , 2017, 110, 402-407.	1.8	6
141	Transport and fate of inhaled particles after deposition onto the airway surface liquid: A 3D numerical study. <i>Computers in Biology and Medicine</i> , 2020, 117, 103595.	7.0	6
142	Assessment of an ensemble-based data assimilation system for a shallow estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 257, 107389.	2.1	6
143	In-cylinder pressure reconstruction by engine acoustic emission. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107490.	8.0	5
144	Hydrodynamic modelling and model sensitivities to bed roughness and bathymetry offset in a micro-tidal estuary. <i>Journal of Hydroinformatics</i> , 2020, 22, 1536-1553.	2.4	5

#	ARTICLE	IF	CITATIONS
145	Gaseous and particulate emissions analysis using microalgae based dioctyl phthalate biofuel during cold, warm and hot engine operation. <i>Fuel</i> , 2022, 312, 122965.	6.4	5
146	Experimental study of the concentration field of discharge from a boat propeller. <i>Environmental Fluid Mechanics</i> , 2010, 10, 657-675.	1.6	4
147	Measurement of actual efficacy of compact fluorescent lamps (CFLs). <i>Energy and Buildings</i> , 2015, 86, 601-607.	6.7	4
148	Comparative evaluation of the effect of sweet orange oil-diesel blend on performance and emissions of a multi-cylinder compression ignition engine. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
149	Editorial: Ocean Island Volcanoes: Genesis, Evolution and Impact. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	4
150	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
151	Characteristics of Particle Number and Particle Mass Emissions of a Diesel Engine during Cold-, Warm-, and Hot-Start Operation. , 0, , .		4
152	Statistical Analysis of the Results Obtained by Thermodynamic Methods for the Determination of TDC Offset in an Internal Combustion Engine. , 0, , .		4
153	Underground Diesel Exhaust Wet Scrubbers: Current Status and Future Prospects. <i>Energies</i> , 2018, 11, 3006.	3.1	3
154	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
155	Melt stripping and agglutination of pyroclasts during the explosive eruption of low viscosity magmas. <i>Nature Communications</i> , 2022, 13, 992.	12.8	3
156	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
157	Reconstructing the evolution of an eroded Miocene caldera volcano (Yamanlar volcano, Äzmir,) Tj ETQq1 1 0.784314 rgBT /QOverlock 2.1		2
158	Detection of Misfire in a Six-Cylinder Diesel Engine Using Acoustic Emission Signals. , 2018, , .		2
159	Syn-eruptive agglutination of kimberlite volcanic ash. <i>Volcanica</i> , 2020, 3, 169-182.	1.8	2
160	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
161	Engine performance and emissions from fuels containing nitrogen and sulphur. <i>Energy Conversion and Management: X</i> , 2022, 14, 100179.	1.6	2
162	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

#	ARTICLE	IF	CITATIONS
163	Corrigendum to "Influence of fatty acid structure on fuel properties of algae derived biodiesel" [Procedia Engineering 56 (2013) 591-596]. Procedia Engineering, 2013, 56, 882-883.	1.2	1
164	A statistical model for combustion resonance from a DI diesel engine with applications. Mechanical Systems and Signal Processing, 2015, 60-61, 406-419.	8.0	1
165	Ethanol Fumigation and Engine Performance in a Diesel Engine. Energy, Environment, and Sustainability, 2021, , 191-212.	1.0	1
166	Sensitivity and robustness of Lagrangian coherent structures in coastal water systems. Environmental Fluid Mechanics, 2021, 21, 667-691.	1.6	1
167	Lagrangian Data Assimilation for Improving Model Estimates of Velocity Fields and Residual Currents in a Tidal Estuary. Applied Sciences (Switzerland), 2021, 11, 11006.	2.5	1
168	The degree of the special linear characters of a rank two free group. Geometriae Dedicata, 2009, 142, 173-190.	0.3	0
169	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