

# Richard J Brown

## List of Publications by Year in descending order

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148  
papers

4,753  
citations

93792

39  
h-index

145109

60  
g-index

150  
all docs

150  
docs citations

150  
times ranked

4892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaseous and particulate emissions analysis using microalgae based dioctyl phthalate biofuel during cold, warm and hot engine operation. <i>Fuel</i> , 2022, 312, 122965.	3.4	5
2	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.	1.7	2
3	Morphological and Nanostructural Characteristics of Diesel Exhaust Soot Particles at Different Engine Operating Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 409-417.	0.3	1
4	Engine performance and emissions from fuels containing nitrogen and sulphur. <i>Energy Conversion and Management: X</i> , 2022, 14, 100179.	0.9	2
5	Using Lagrangian coherent structures to investigate upwelling and physical process in the Gladstone coastal region. <i>Journal of Marine Systems</i> , 2022, 230, 103731.	0.9	2
6	Impact of driving style and traffic condition on emissions and fuel consumption during real-world transient operation. <i>Fuel</i> , 2022, 319, 123874.	3.4	23
7	On-road CO <sub>2</sub> and NO <sub>x</sub> emissions of a diesel vehicle in urban traffic. <i>Transportation Research, Part D: Transport and Environment</i> , 2022, 107, 103326.	3.2	8
8	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. <i>Journal of Cleaner Production</i> , 2022, 365, 132818.	4.6	0
9	In-cylinder pressure reconstruction by engine acoustic emission. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107490.	4.4	5
10	Cold-start NO <sub>x</sub> emissions: Diesel and waste lubricating oil as a fuel additive. <i>Fuel</i> , 2021, 286, 119430.	3.4	23
11	Ethanol Fumigation and Engine Performance in a Diesel Engine. <i>Energy, Environment, and Sustainability</i> , 2021, , 191-212.	0.6	1
12	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.	2.7	3
13	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.	3.7	21
14	Sensitivity and robustness of Lagrangian coherent structures in coastal water systems. <i>Environmental Fluid Mechanics</i> , 2021, 21, 667-691.	0.7	1
15	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.	3.4	16
16	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.	4.4	26
17	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.	0.9	7
18	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. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110817.	8.2	8

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19	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.	3.4	19
20	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.	2.9	9
21	Assessment of an ensemble-based data assimilation system for a shallow estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 257, 107389.	0.9	6
22	Persistency of debris accumulation in tidal estuaries using Lagrangian coherent structures. <i>Science of the Total Environment</i> , 2021, 781, 146808.	3.9	8
23	Assimilation of GPS-tracked drifter data to improve the Eulerian velocity fields in an estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 262, 107575.	0.9	0
24	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.	3.7	32
25	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.	1.3	1
26	The impact of chemical composition of oxygenated fuels on morphology and nanostructure of soot particles. <i>Fuel</i> , 2020, 259, 116167.	3.4	46
27	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.	4.6	17
28	Cationic polyacrylamide induced flocculation and turbulent dewatering of microalgae on a Britt Dynamic Drainage Jar. <i>Separation and Purification Technology</i> , 2020, 233, 116004.	3.9	21
29	The effect of diesel fuel sulphur and vanadium on engine performance and emissions. <i>Fuel</i> , 2020, 261, 116437.	3.4	21
30	Muco-ciliary clearance: A review of modelling techniques. <i>Journal of Biomechanics</i> , 2020, 99, 109578.	0.9	20
31	Engine performance and emissions of high nitrogen-containing fuels. <i>Fuel</i> , 2020, 264, 116805.	3.4	13
32	Combustion Analysis of a Diesel Engine during Warm up at Different Coolant and Lubricating Oil Temperatures. <i>Energies</i> , 2020, 13, 3931.	1.6	15
33	Single-step dynamic dewatering of microalgae from dilute suspensions using flocculant assisted filtration. <i>Microbial Cell Factories</i> , 2020, 19, 222.	1.9	8
34	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.	2.8	7
35	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.	2.1	4
36	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.	3.9	20

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37	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.	4.4	19
38	Improving the Accuracy of Hydrodynamic Model Predictions Using Lagrangian Calibration. <i>Water (Switzerland)</i> , 2020, 12, 575.	1.2	15
39	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.	3.7	23
40	Engine Performance and Emissions Analysis in a Cold, Intermediate and Hot Start Diesel Engine. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3839.	1.3	17
41	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.	3.9	6
42	The correlation between diesel soot chemical structure and reactivity. <i>Carbon</i> , 2020, 161, 736-749.	5.4	42
43	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.	3.4	18
44	Quantification of inertial effect on the transport of macro-plastics in a tidal embayment. , 2020, , .		1
45	Identifying material repelling areas in coastal water systems through Lagrangian coherent structures. , 2020, , .		2
46	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.	1.1	5
47	Structural characterisation of soot particles for cold-start and hot-start operation of a diesel engine. , 2020, , .		4
48	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.	2.1	7
49	Factors Affecting Microalgae Production for Biofuels and the Potentials of Chemometric Methods in Assessing and Optimizing Productivity. <i>Cells</i> , 2019, 8, 851.	1.8	41
50	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.	1.8	26
51	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.	2.5	21
52	Effect of cold start on engine performance and emissions from diesel engines using IMO-Compliant distillate fuels. <i>Environmental Pollution</i> , 2019, 255, 113260.	3.7	15
53	Three-Dimensional Numerical Analysis of Periciliary Liquid Layer: Ciliary Abnormalities in Respiratory Diseases. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4033.	1.3	10
54	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.	4.4	32

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55	Exergy analysis of a diesel engine with waste cooking biodiesel and triacetin. <i>Energy Conversion and Management</i> , 2019, 198, 111912.	4.4	75
56	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.	8.2	45
57	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.	4.6	24
58	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.	1.6	47
59	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.	1.6	20
60	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.	2.5	25
61	Influence of fuel-oxygen content on morphology and nanostructure of soot particles. <i>Combustion and Flame</i> , 2019, 205, 206-219.	2.8	67
62	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.	4.6	33
63	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.	4.4	44
64	An experimental study of the role of biodiesel on the performance of diesel particulate filters. <i>Fuel</i> , 2019, 247, 67-76.	3.4	34
65	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.	3.2	177
66	On-road NOx 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.	2.5	20
67	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.	4.4	62
68	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.	2.7	25
69	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.	0.9	8
70	Diesel engine performance and emissions with fuels derived from waste tyres. <i>Scientific Reports</i> , 2018, 8, 2457.	1.6	45
71	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.	8.2	39
72	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.	3.7	55

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73	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.	1.3	40
74	Performance and Combustion Characteristics Analysis of Multi-Cylinder CI Engine Using Essential Oil Blends. <i>Energies</i> , 2018, 11, 738.	1.6	18
75	Stability of Individuals during Urban Inundations: What Should We Learn from Field Observations?. <i>Geosciences (Switzerland)</i> , 2018, 8, 341.	1.0	14
76	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.	3.4	49
77	Techno-economic analysis of the thermal liquefaction of sugarcane bagasse in ethanol to produce liquid fuels. <i>Applied Energy</i> , 2018, 224, 184-193.	5.1	34
78	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.	1.2	7
79	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.	3.7	21
80	Detection of Misfire in a Six-Cylinder Diesel Engine Using Acoustic Emission Signals. , 2018, , .		2
81	The influence of oxygenated fuels on transient and steady-state engine emissions. <i>Energy</i> , 2017, 121, 841-853.	4.5	41
82	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.	4.6	71
83	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, , .	0.3	4
84	Engine Performance during Transient and Steady-State Operation with Oxygenated Fuels. <i>Energy &amp; Fuels</i> , 2017, 31, 7510-7522.	2.5	50
85	Microalgae biodiesel: Current status and future needs for engine performance and emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1160-1170.	8.2	84
86	Energy and chemical conversion of five Australian lignocellulosic feedstocks into bio-crude through liquefaction. <i>RSC Advances</i> , 2017, 7, 27707-27717.	1.7	11
87	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.	4.4	73
88	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.	4.4	45
89	Engine blow-by with oxygenated fuels: A comparative study into cold and hot start operation. <i>Energy</i> , 2017, 140, 612-624.	4.5	40
90	Liquefaction biocrudes and their petroleum crude blends for processing in conventional distillation units. <i>Fuel Processing Technology</i> , 2017, 167, 674-683.	3.7	24

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91	Reductions in diesel emissions including PM and PN emissions with diesel-biodiesel blends. <i>Journal of Cleaner Production</i> , 2017, 166, 860-868.	4.6	94
92	Relative dispersion of clustered drifters in a small micro-tidal estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 1-15.	0.9	17
93	Experimental Investigations of Physical and Chemical Properties for Microalgae HTL Bio-Crude Using a Large Batch Reactor. <i>Energies</i> , 2017, 10, 467.	1.6	33
94	LNG Regasification Terminals: The Role of Geography and Meteorology on Technology Choices. <i>Energies</i> , 2017, 10, 2152.	1.6	50
95	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.	3.4	100
96	Physical and Chemical Stability of Bagasse Biocrude from Liquefaction Stored in Real Conditions. <i>Energy &amp; Fuels</i> , 2016, 30, 10499-10504.	2.5	19
97	Eddy diffusivity: a single dispersion analysis of high resolution drifters in a tidal shallow estuary. <i>Environmental Fluid Mechanics</i> , 2016, 16, 923-943.	0.7	14
98	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.	4.4	40
99	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.	5.1	54
100	Was millennial scale climate change during the Last Glacial triggered by explosive volcanism?. <i>Scientific Reports</i> , 2015, 5, 17442.	1.6	55
101	Hydrothermal liquefaction of bagasse using ethanol and black liquor as solvents. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 630-638.	1.9	44
102	A Review of Hydrothermal Liquefaction Bio-Crude Properties and Prospects for Upgrading to Transportation Fuels. <i>Energies</i> , 2015, 8, 6765-6794.	1.6	187
103	Evaluation of Residence Time on Nitrogen Oxides Removal in Non-Thermal Plasma Reactor. <i>PLoS ONE</i> , 2015, 10, e0140897.	1.1	17
104	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.	6.6	51
105	Effect of Cell Wall Properties on Porosity and Shrinkage of Dried Apple. <i>International Journal of Food Properties</i> , 2015, 18, 2327-2337.	1.3	68
106	Measuring the regional availability of biomass for biofuels and the potential for microalgae. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 1271-1285.	8.2	51
107	New criterion for the stability of a human body in floodwaters. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2015, 53, 540-541.	0.7	15
108	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.	4.4	1

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109	High-Resolution GNSS-Tracked Drifter for Studying Surface Dispersion in Shallow Water. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 579-590.	0.5	24
110	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.	2.7	39
111	Fuel characterisation, engine performance, combustion and exhaust emissions with a new renewable Licella biofuel. <i>Energy Conversion and Management</i> , 2015, 96, 588-598.	4.4	67
112	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.	4.4	31
113	Inter-cycle variability of ignition delay in an ethanol fumigated common rail diesel engine. <i>Energy</i> , 2015, 84, 186-195.	4.5	22
114	Combustion analysis of microalgae methyl ester in a common rail direct injection diesel engine. <i>Fuel</i> , 2015, 143, 351-360.	3.4	122
115	The capture and retention evaluation of a stormwater gross pollutant trap design. <i>Ecological Engineering</i> , 2015, 74, 56-59.	1.6	10
116	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
117	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.	1.6	59
118	Effect of temperature and moisture on high pressure lipid/oil extraction from microalgae. <i>Energy Conversion and Management</i> , 2014, 88, 307-316.	4.4	41
119	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
120	A Bayesian approach to the determination of ignition delay. <i>Applied Thermal Engineering</i> , 2013, 60, 79-87.	3.0	20
121	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.	0.6	44
122	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.	4.6	11
123	Inter-cycle variability of in-cylinder pressure parameters in an ethanol fumigated common rail diesel engine. <i>Energy</i> , 2013, 52, 55-65.	4.5	62
124	Mixing and dispersion of pollutants emitted from an outboard motor. <i>Marine Pollution Bulletin</i> , 2013, 69, 19-27.	2.3	6
125	Influence of Fatty Acid Structure on Fuel Properties of Algae Derived Biodiesel. <i>Procedia Engineering</i> , 2013, 56, 591-596.	1.2	72
126	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.	0.7	23



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127	Microalgal Species Selection for Biodiesel Production Based on Fuel Properties Derived from Fatty Acid Profiles. <i>Energies</i> , 2013, 6, 5676-5702.	1.6	254
128	The Use of Artificial Neural Networks for Identifying Sustainable Biodiesel Feedstocks. <i>Energies</i> , 2013, 6, 3764-3806.	1.6	53
129	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. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7046-7055.	2.5	7
130	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, .	1.7	26
131	Turbulence measurements in a small subtropical estuary under king tide conditions. <i>Environmental Fluid Mechanics</i> , 2012, 12, 265-289.	0.7	17
132	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.	2.5	12
133	Gaseous and particle emissions from an ethanol fumigated compression ignition engine. <i>Energy Conversion and Management</i> , 2012, 54, 145-151.	4.4	73
134	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.	1.9	29
135	Bayesian models for the determination of resonant frequencies in a DI diesel engine. <i>Mechanical Systems and Signal Processing</i> , 2012, 26, 305-314.	4.4	23
136	Advances in Heterogeneous Photocatalytic Degradation of Phenols and Dyes in Wastewater: A Review. <i>Water, Air, and Soil Pollution</i> , 2011, 215, 3-29.	1.1	324
137	Experimental study of the concentration field of discharge from a boat propeller. <i>Environmental Fluid Mechanics</i> , 2010, 10, 657-675.	0.7	4
138	Particle Emissions, Volatility, and Toxicity from an Ethanol Fumigated Compression Ignition Engine. <i>Environmental Science &amp; Technology</i> , 2010, 44, 229-235.	4.6	72
139	The effect of flocculants on the filtration of bagasse pulp pads. <i>Tappi Journal</i> , 2010, 9, 7-14.	0.2	7
140	The degree of the special linear characters of a rank two free group. <i>Geometriae Dedicata</i> , 2009, 142, 173-190.	0.1	0
141	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
142	Turbulence characteristics of a small subtropical estuary during and after some moderate rainfall. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 79, 661-670.	0.9	10
143	Turbulent Measurements in a Small Subtropical Estuary with Semidiurnal Tides. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 1665-1670.	0.7	20
144	FL4-2: Analysis of Dual Fuel Compression Ignition (Diesel) Engine (FL: Fuels and Lubricants, General) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Combustion in Internal Combustion Engines, 2008, 2008.7, 839-846.	0.1	0

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145	The algebraic entropy of the special linear character automorphisms of a free group on two generators. Transactions of the American Mathematical Society, 2007, 359, 1445-1470.	0.5	10
146	Preliminary Measurements of Turbulence and Environmental Parameters in a Sub-Tropical Estuary of Eastern Australia. Environmental Fluid Mechanics, 2005, 5, 553-575.	0.7	17
147	Anosov mapping class actions on the $SL(2)$ -representation variety of a punctured torus. Ergodic Theory and Dynamical Systems, 1998, 18, 539-554.	0.4	6
148	Characteristics of Particle Number and Particle Mass Emissions of a Diesel Engine during Cold-, Warm-, and Hot-Start Operation. , 0, , .		4