

# Albert Boretti

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

329  
papers

3,393  
citations

29  
h-index

46  
g-index

406  
ext. papers

4,602  
ext. citations

3.8  
avg, IF

7.26  
L-index

#	Paper	IF	Citations
329	Reassessing the projections of the World Water Development Report. <i>Npj Clean Water</i> , <b>2019</b> , 2,	11.2	415
328	Recovery of exhaust and coolant heat with R245fa organic Rankine cycles in a hybrid passenger car with a naturally aspirated gasoline engine. <i>Applied Thermal Engineering</i> , <b>2012</b> , 36, 73-77	5.8	100
327	Water injection in directly injected turbocharged spark ignition engines. <i>Applied Thermal Engineering</i> , <b>2013</b> , 52, 62-68	5.8	87
326	Outlook for graphene-based desalination membranes. <i>Npj Clean Water</i> , <b>2018</b> , 1,	11.2	87
325	Intravenous vitamin C for reduction of cytokines storm in acute respiratory distress syndrome. <i>PharmaNutrition</i> , <b>2020</b> , 12, 100190	2.9	70
324	A New Method to Warm Up Lubricating Oil to Improve the Fuel Efficiency During Cold Start. <i>SAE International Journal of Engines</i> , <b>2011</b> , 4, 175-187	2.4	56
323	Production of hydrogen for export from wind and solar energy, natural gas, and coal in Australia. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 3899-3904	6.7	53
322	Renewable hydrogen to recycle CO2 to methanol. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 1806-1812	6.7	53
321	Silicon carbide color centers for quantum applications. <i>JPhys Photonics</i> , <b>2020</b> , 2, 022001	2.5	51
320	Advantages of converting Diesel engines to run as dual fuel ethanolDiesel. <i>Applied Thermal Engineering</i> , <b>2012</b> , 47, 1-9	5.8	48
319	Sea-level trend analysis for coastal management. <i>Ocean and Coastal Management</i> , <b>2013</b> , 73, 63-81	3.9	43
318	Novel dual fuel diesel-ammonia combustion system in advanced TDI engines. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 7071-7076	6.7	41
317	Is there any support in the long term tide gauge data to the claims that parts of Sydney will be swamped by rising sea levels?. <i>Coastal Engineering</i> , <b>2012</b> , 64, 161-167	4.8	41
316	The lean burn direct injection jet ignition gas engine. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 7835-7841	6.7	39
315	Chlorination disadvantages and alternative routes for biofouling control in reverse osmosis desalination. <i>Npj Clean Water</i> , <b>2019</b> , 2,	11.2	38
314	Advantages of the direct injection of both diesel and hydrogen in dual fuel H2ICE. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 9312-9317	6.7	38
313	Electrically Driven Quantum Light Sources. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1012-1033	8.1	35

312	Sea level trends at locations of the United States with more than 100 years of recording. <i>Natural Hazards</i> , <b>2013</b> , 65, 1011-1021	3	35
311	Novel heavy duty engine concept for operation dual fuel H <sub>2</sub> /NH <sub>3</sub> . <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 7869-7876	6.7	35
310	Advances in hydrogen compression ignition internal combustion engines. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 12601-12606	6.7	35
309	Enhanced combustion by jet ignition in a turbocharged cryogenic port fuel injected hydrogen engine. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 2511-2516	6.7	35
308	Towards 40% efficiency with BMEP exceeding 30bar in directly injected, turbocharged, spark ignition ethanol engines. <i>Energy Conversion and Management</i> , <b>2012</b> , 57, 154-166	10.6	34
307	Concentrating solar power tower technology: present status and outlook. <i>Nonlinear Engineering</i> , <b>2019</b> , 8, 10-31	3	33
306	Oscillations of sea level rise along the Atlantic coast of North America north of Cape Hatteras. <i>Natural Hazards</i> , <b>2013</b> , 65, 991-997	3	33
305	Transient operation of internal combustion engines with Rankine waste heat recovery systems. <i>Applied Thermal Engineering</i> , <b>2012</b> , 48, 18-23	5.8	32
304	Comparison of fuel economies of high efficiency diesel and hydrogen engines powering a compact car with a flywheel based kinetic energy recovery systems. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 8417-8424	6.7	32
303	Quantum Effects in Silicon Carbide Hold Promise for Novel Integrated Devices and Sensors. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 609-625	8.1	31
302	Short term comparison of climate model predictions and satellite altimeter measurements of sea levels. <i>Coastal Engineering</i> , <b>2012</b> , 60, 319-322	4.8	31
301	Cost and production of solar thermal and solar photovoltaics power plants in the United States. <i>Renewable Energy Focus</i> , <b>2018</b> , 26, 93-99	5.4	29
300	Stoichiometric H <sub>2</sub> ICEs with water injection. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 4469-4478	6.7	29
299	Integration of solar thermal and photovoltaic, wind, and battery energy storage through AI in NEOM city. <i>Energy and AI</i> , <b>2021</b> , 3, 100038	12.6	29
298	Advances in diamond nanofabrication for ultrasensitive devices. <i>Microsystems and Nanoengineering</i> , <b>2017</b> , 3, 17061	7.7	28
297	Direct injection of hydrogen, oxygen and water in a novel two stroke engine. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 10100-10106	6.7	28
296	Energy Recovery in Passenger Cars. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2012</b> , 134,	2.6	26
295	Structural characteristics of hydrogen and compressed natural gas fuel jets. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 1584-1597	6.7	25

294	Computational analysis of the lean-burn direct-injection jet ignition hydrogen engine. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2010</b> , 224, 261-269	1.4	24
293	Energy storage requirements to address wind energy variability. <i>Energy Storage</i> , <b>2019</b> , 1, e77	2.8	23
292	Modelling auto ignition of hydrogen in a jet ignition pre-chamber. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 3881-3890	6.7	23
291	The Inconvenient Truth: Ocean Level Not Rising in Australia. <i>Energy and Environment</i> , <b>2012</b> , 23, 801-817	2.4	22
290	Energy storage needs for an Australian national electricity market grid without combustion fuels. <i>Energy Storage</i> , <b>2020</b> , 2, e92	2.8	22
289	Coastal planning should be based on proven sea level data. <i>Ocean and Coastal Management</i> , <b>2016</b> , 124, 1-9	3.9	20
288	CNG Fueling Strategies for Commercial Vehicles Engines-A Literature Review <b>2013</b> ,		19
287	Impacts of sea level rise on coastal planning in Norway. <i>Ocean Engineering</i> , <b>2014</b> , 78, 124-130	3.9	18
286	Stoichiometric H <sub>2</sub> ICE with water injection and exhaust and coolant heat recovery through organic Rankine cycles. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 12591-12600	6.7	18
285	Diesel-like and HCCI-like operation of a truck engine converted to hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 15382-15391	6.7	18
284	A case study on combined cycle power plant integrated with solar energy in Trinidad and Tobago. <i>Sustainable Energy Technologies and Assessments</i> , <b>2019</b> , 32, 100-110	4.7	17
283	Hexagonal boron nitride: a review of the emerging material platform for single-photon sources and the spin-photon interface. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 740-769	3	17
282	Advances in Diesel-LNG Internal Combustion Engines. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1296	2.6	17
281	Experimental and Numerical Study of an Air Assisted Fuel Injector for a D.I.S.I. Engine <b>2007</b> ,		17
280	California sea level rise: Evidence based forecasts vs. model predictions. <i>Ocean and Coastal Management</i> , <b>2017</b> , 149, 198-209	3.9	16
279	Development of a Direct Injection High Efficiency Liquid Phase LPG Spark Ignition Engine. <i>SAE International Journal of Engines</i> , <b>2009</b> , 2, 1639-1649	2.4	16
278	Numerical study of the substitutional diesel fuel energy in a dual fuel diesel-LPG engine with two direct injectors per cylinder. <i>Fuel Processing Technology</i> , <b>2017</b> , 161, 41-51	7.2	15
277	The Future of the Internal Combustion Engine After Diesel-Gate <b>2017</b> ,		15

276	A Novel Wankel Engine Featuring Jet Ignition and Port or Direct Injection for Faster and More Complete Combustion Especially Designed for Gaseous Fuels <b>2015</b> ,		15
275	Dynamic System Model to Predict Global Sea-Level Rise and Temperature Change. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2012</b> , 17, 237-242	1.8	15
274	Australia: Biomass energy holds big promise. <i>Nature</i> , <b>2012</b> , 488, 590-1	50.4	15
273	Improvements of Vehicle Fuel Economy Using Mechanical Regenerative Braking <b>2010</b> ,		15
272	High-frequency standard deviation of the capacity factor of renewable energy facilitiesPart 2: Wind. <i>Energy Storage</i> , <b>2019</b> , 1, e100	2.8	15
271	Validation of SAM Modeling of Concentrated Solar Power Plants. <i>Energies</i> , <b>2020</b> , 13, 1949	3.1	14
270	Conversion of a heavy duty truck diesel engine with an innovative power turbine connected to the crankshaft through a continuously variable transmission to operate compression ignition dual fuel diesel-LPG. <i>Fuel Processing Technology</i> , <b>2013</b> , 113, 97-108	7.2	14
269	After Less Than 2 Months, the Simulations That Drove the World to Strict Lockdown Appear to be Wrong, the Same of the Policies They Generated. <i>Health Services Research and Managerial Epidemiology</i> , <b>2020</b> , 7, 2333392820932324	1.4	13
268	Hydrogen internal combustion engines to 2030. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 23692-23703		13
267	Cost of wind energy generation should include energy storage allowance. <i>Scientific Reports</i> , <b>2020</b> , 10, 2978	4.9	13
266	Technology Readiness Level of Solar Thermochemical Splitting Cycles. <i>ACS Energy Letters</i> , 1170-1174	20.1	13
265	Nitrogen-vacancy centers in diamond for nanoscale magnetic resonance imaging applications. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 2128-2151	3	13
264	Short-Term Tide Gauge Records from One Location are Inadequate to Infer Global Sea-Level Acceleration. <i>Earth Systems and Environment</i> , <b>2017</b> , 1, 1	7.5	12
263	A realistic expectation of electricity production from current design concentrated solar power solar tower with thermal energy storage. <i>Energy Storage</i> , <b>2019</b> , 1, e57	2.8	12
262	Sea level oscillations in Japan and China since the start of the 20th century and consequences for coastal management - Part 2: China pearl river delta region. <i>Ocean and Coastal Management</i> , <b>2018</b> , 163, 456-465	3.9	12
261	Statistical analysis of the temperature records for the Northern Territory of Australia. <i>Theoretical and Applied Climatology</i> , <b>2013</b> , 114, 567-573	3	12
260	Nano-Magnetic Resonance Imaging (Nano-MRI) Gives Personalized Medicine a New Perspective. <i>Biomedicines</i> , <b>2017</b> , 5,	4.8	12
259	Radiative and nonradiative decay rates in chromium-related centers in nanodiamonds. <i>Optics Letters</i> , <b>2011</b> , 36, 4224-6	3	12

258	Exploring the Advantages of Atkinson Effects in Variable Compression Ratio Turbo GDI Engines <b>2011,</b>		12
257	Analysis of Design of Pure Ethanol Engines <b>2010,</b>		12
256	Experimental and numerical study of a spark ignition engine with air-assisted direct injection. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2008</b> , 222, 1103-1119	1.4	12
255	Hydrogen Production by Solar Thermochemical Water-Splitting Cycle via a Beam Down Concentrator. <i>Frontiers in Energy Research</i> , <b>2021</b> , 9,	3.8	12
254	Advantages and Disadvantages of Diesel Single and Dual-Fuel Engines. <i>Frontiers in Mechanical Engineering</i> , <b>2019</b> , 5,	2.6	12
253	Sea level oscillations in Japan and China since the start of the 20th century and consequences for coastal management - Part 1: Japan. <i>Ocean and Coastal Management</i> , <b>2019</b> , 169, 225-238	3.9	12
252	There is no real evidence for a diminishing trend of the Atlantic meridional overturning circulation. <i>Journal of Ocean Engineering and Science</i> , <b>2016</b> , 1, 30-35	4.4	11
251	Present contributions to sea level rise by thermal expansion and ice melting and implication on coastal management. <i>Ocean and Coastal Management</i> , <b>2014</b> , 98, 202-211	3.9	11
250	Minimum 60 years of recording are needed to compute the sea level rate of rise in the Western South Pacific. <i>Nonlinear Engineering</i> , <b>2014</b> , 3, 1-10	3	11
249	Analysis of the Regenerative Braking Efficiency of a Latest Electric Vehicle <b>2013,</b>		11
248	The Lean Burn Direct-Injection Jet-Ignition Flexi Gas Fuel LPG/CNG Engine <b>2009,</b>		11
247	Vehicle driving cycle performance of the spark-less di-ji hydrogen engine. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 4702-4714	6.7	11
246	Apparent hot and cold spots of acceleration along the Atlantic and Pacific coasts of the United States. <i>Nonlinear Engineering</i> , <b>2014</b> , 3, 51-56	3	11
245	Favipiravir use for SARS CoV-2 infection. <i>Pharmacological Reports</i> , <b>2020</b> , 72, 1542-1552	3.9	11
244	There are hydrogen production pathways with better than green hydrogen economic and environmental costs. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 23988-23988	6.7	11
243	Concentrated Solar Power Plants Capacity Factors: A Review <b>2018</b> , 41-62		10
242	Towards Single Biomolecule Imaging via Optical Nanoscale Magnetic Resonance Imaging. <i>Small</i> , <b>2015</b> , 11, 4229-36	11	10
241	Sea level rise for India since the start of tide gauge records. <i>Arabian Journal of Geosciences</i> , <b>2015</b> , 8, 6483-6495	1.6495	10

240	Experimental and computational analysis of the combustion evolution in direct-injection spark-controlled jet ignition engines fuelled with gaseous fuels. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2010</b> , 224, 1241-1261	1.4	10
239	Improvements of vehicle fuel economy using mechanical regenerative braking. <i>International Journal of Vehicle Design</i> , <b>2011</b> , 55, 35	2.4	10
238	Experimental and Computational Analysis of a High-Performance Motorcycle Engine <b>1996</b> ,		10
237	COVID-19 fatality rate for Saudi Arabia, updated 3 June 2020. <i>Journal of Global Antimicrobial Resistance</i> , <b>2020</b> , 22, 845-846	3.4	10
236	Atlantic Meridional Overturning Circulation is stable under global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E2760-1	11.5	10
235	Atmospheric CO <sub>2</sub> Concentration and Other Limiting Factors in the Growth of C <sub>3</sub> and C <sub>4</sub> Plants. <i>Plants</i> , <b>2019</b> , 8,	4.5	9
234	Development of a Direct Injection High Flexibility CNG/LPG Spark Ignition Engine <b>2009</b> ,		9
233	Experimental and Theoretical Analysis of a Diesel Fuel Injection System <b>1999</b> ,		9
232	Modeling unmanned aerial vehicle jet ignition wankel engines with CAE/CFD. <i>Advances in Aircraft and Spacecraft Science</i> , <b>2015</b> , 2, 445-467		9
231	High-frequency standard deviation of the capacity factor of renewable energy facilities: Part 1 Solar photovoltaic. <i>Energy Storage</i> , <b>2020</b> , 2, e101	2.8	9
230	Implications on food production of the changing water cycle in the Vietnamese Mekong Delta. <i>Global Ecology and Conservation</i> , <b>2020</b> , 22, e00989	2.8	8
229	Numerical Analysis of High-Pressure Direct Injection Dual-Fuel Diesel-Liquefied Natural Gas (LNG) Engines. <i>Processes</i> , <b>2020</b> , 8, 261	2.9	8
228	Is the Sea Level Stable at Aden, Yemen?. <i>Earth Systems and Environment</i> , <b>2017</b> , 1, 1	7.5	8
227	Rates of subsidence and relative sea level rise in the Hawaii Islands. <i>Nonlinear Engineering</i> , <b>2016</b> , 5,	3	8
226	CAD/CFD/CAE Modelling of Wankel Engines for UAV <b>2015</b> ,		8
225	Exploring the Advantages of Variable Compression Ratio in Internal Combustion Engines by Using Engine Performance Simulations <b>2011</b> ,		8
224	Parametric Design of FIM WGP Engines <b>2002</b> ,		8
223	Design of the Fiat Auto Corse ITC 96 Racing Engine - Part II:Pipe Lengths and Diameters <b>1998</b> ,		8

222	Coldspot of Decelerated Sea-Level Rise on the Pacific Coast of North America. <i>Quaestiones Geographicae</i> , <b>2016</b> , 35, 31-37	1.2	8
221	Low-Frequency Wind Energy Variability in the Continental Contiguous United States. <i>Energies</i> , <b>2020</b> , 13, 144	3.1	8
220	Deterministic placement of ultra-bright near-infrared color centers in arrays of silicon carbide micropillars. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 2383-2395	3	8
219	Advantages, limitations, and future suggestions in studying graphene-based desalination membranes.. <i>RSC Advances</i> , <b>2021</b> , 11, 7981-8002	3.7	8
218	Super Turbocharging the Direct Injection Diesel engine. <i>Nonlinear Engineering</i> , <b>2018</b> , 7, 17-27	3	7
217	Nanometric resolution magnetic resonance imaging methods for mapping functional activity in neuronal networks. <i>MethodsX</i> , <b>2016</b> , 3, 297-306	1.9	7
216	Electric vehicles with small batteries and high-efficiency on-board electricity production. <i>Energy Storage</i> , <b>2019</b> , 1, e75	2.8	7
215	Comment on "Low-frequency sea level variation and its correlation with climate events in the Pacific" <i>Science Bulletin</i> , <b>2013</b> , 58, 1708-1713		7
214	Comment to Shepard, C.C., Agostini, V.N., Gilmer, B., Allen, T., Stone, J., Brooks, W., Beck, M.W.: Assessing future risk: quantifying the effects of sea level rise on storm surge risk for the southern shores of Long Island. <i>Natural Hazards</i> , <b>2013</b> , 65, 977-980	3	7
213	Latest concepts for combustion and waste heat recovery systems being considered for hydrogen engines. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 3802-3807	6.7	7
212	Stochastic reactor modelling of multi modes combustion with diesel direct injection or hydrogen jet ignition start of combustion. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13555-13563	6.7	7
211	Design of the Fiat Auto Corse ITC 96 Racing Engine - Part I: Valve Lift Profiles and Timings <b>1998</b> ,		7
210	Numerical Optimization of a Racing Engine with Variable Intake and Exhaust Geometry and Valve Actuation <b>1996</b> ,		7
209	Numerical Study of Volumetric Efficiencies in a High Speed, Four Valve, Four Cylinder, Spark Ignition Engine <b>1994</b> ,		7
208	Enclosed trough solar thermal power plant with thermal energy storage and saltwater condenser in Al Khobar, Kingdom of Saudi Arabia. <i>Renewable Energy Focus</i> , <b>2020</b> , 35, 132-147	5.4	7
207	Imaging with Nanometer Resolution Using Optically Active Defects in Silicon Carbide. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	7
206	White is the color of hydrogen from concentrated solar energy and thermochemical water splitting cycles. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 20790-20791	6.7	7
205	Advances in Hydrogen Production from Natural Gas Reforming. <i>Advanced Energy and Sustainability Research</i> , 2100097	1.6	7



204	Energy flow of a 2018 FIA F1 racing car and proposed changes to the powertrain rules. <i>Nonlinear Engineering</i> , <b>2019</b> , 9, 28-34	3	7
203	High-temperature molten-salt thermal energy storage and advanced-Ultra-supercritical power cycles. <i>Journal of Energy Storage</i> , <b>2021</b> , 42, 103143	7.8	7
202	Micro-manipulation of nanodiamonds containing NV centers for quantum applications. <i>Diamond and Related Materials</i> , <b>2020</b> , 106, 107840	3.5	6
201	Analysis of the sea levels in Kiribati A Rising Sea of Misrepresentation Sinks Kiribati. <i>Nonlinear Engineering</i> , <b>2016</b> , 5,	3	6
200	F1 style MGU-H applied to the turbocharger of a gasoline hybrid electric passenger car. <i>Nonlinear Engineering</i> , <b>2017</b> , 6,	3	6
199	Carbon Dioxide Flux Measurements Based on Satellite Observations Differ Considerably from the Consensus Values. <i>Energy and Environment</i> , <b>2015</b> , 26, 457-463	2.4	6
198	Improving the Efficiency of Turbocharged Spark Ignition Engines for Passenger Cars through Waste Heat Recovery <b>2012</b> ,		6
197	Hydraulic Hybrid Heavy Duty Vehicles - Challenges and Opportunities <b>2012</b> ,		6
196	Use of Variable Valve Actuation to Control the Load in a Direct Injection, Turbocharged, Spark-Ignition Engine <b>2010</b> ,		6
195	Numerical Correlation of Combustion Evolution and Port and Combustion Chamber Shape in a High Speed, Four Valve, Spark Ignition Engine <b>1994</b> ,		6
194	Latest Advances in the Generation of Single Photons in Silicon Carbide. <i>Technologies</i> , <b>2016</b> , 4, 16	2.4	6
193	Testing new hypotheses of neurological and immunological outcomes with aluminum-containing vaccines is warranted. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 51, 28-30	4.1	6
192	Sea level acceleration caused by earthquake induced subsidence in the Samoa Islands. <i>Ocean and Coastal Management</i> , <b>2018</b> , 161, 11-19	3.9	5
191	Life Cycle Analysis Comparison of Electric and Internal Combustion Engine Based Mobility <b>2018</b> ,		5
190	Relative sea level rise along the coast of China mid-twentieth to end twenty-first centuries. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	5
189	Why global warming went missing since the year 2000. <i>Nonlinear Engineering</i> , <b>2013</b> , 2,	3	5
188	Performances of a Turbocharged E100 Engine with Direct Injection and Variable Valve Actuation <b>2010</b> ,		5
187	Modeling of Engine and Vehicle for a Compact Car with a Flywheel Based Kinetic Energy Recovery Systems and a High Efficiency Small Diesel Engine <b>2010</b> ,		5

186	Top Land Crevice and Piston Deflection Effects on Combustion in a High Speed Rotary Valve Engine <b>2008</b> ,		5
185	Mxene pseudocapacitive electrode material for capacitive deionization. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134959	14.7	5
184	Sustainable Post Covid19 Lockdown Strategy Through Evidence-Based Policy. <i>Integrative Journal of Medical Sciences</i> ,7,	0	5
183	A Novel Mechanism for Piston Deactivation Improving the Part Load Performances of Multi Cylinder Engines. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 3-17	0.2	5
182	Analysis of the energy storage battery and fuel tank of a commercial electric vehicle with range extender during charge sustaining operation. <i>Energy Storage</i> , <b>2020</b> , 2, e129	2.8	5
181	Maturity assessment of the solar updraft tower technology. <i>Renewable Energy Focus</i> , <b>2018</b> , 27, 135-144	5.4	5
180	The hydrogen economy is complementary and synergetic to the electric economy. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 38959-38959	6.7	5
179	Comment to M Lichter and D Felsenstein, Assessing the costs of sea-level rise and extreme flooding at the local level: A GIS-based approach, <i>Ocean &amp; Coastal Management</i> 59 (2012) 4782. <i>Ocean and Coastal Management</i> , <b>2013</b> , 78, 138-142	3.9	4
178	100% LPG Long Haul Truck Conversion - Economy and Environmental Benefits <b>2012</b> ,		4
177	Improvements of Truck Fuel Economy using Mechanical Regenerative Braking <b>2010</b> ,		4
176	KERS Braking for 2014 F1 Cars <b>2012</b> ,		4
175	Novel Crankshaft Mechanism and Regenerative Braking System to Improve the Fuel Economy of Light Duty Vehicles and Passenger Cars. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , <b>2012</b> , 5, 1177-1193	0.3	4
174	Similarity Rules and Parametric Design of Race Engines <b>2000</b> ,		4
173	Sustainable hydrogen production: Technological advancements and economic analysis. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	4
172	Analysis of the Charles De Gaulle Aircraft Carrier Covid19 Epidemic: Infectivity and Fatality in the Young, Healthy, Active Population. <i>Integrative Journal of Medical Sciences</i> ,7,	0	4
171	Pacific Sea Levels Rising Very Slowly and Not Accelerating. <i>Quaestiones Geographicae</i> , <b>2019</b> , 38, 179-184	1.2	4
170	Modulation of Covid-19 cytokine storm by tocilizumab. <i>Journal of Medical Virology</i> , <b>2021</b> ,	19.7	4
169	Trends in performance factors of large photovoltaic solar plants. <i>Journal of Energy Storage</i> , <b>2020</b> , 30, 101506	7.8	4

168	Trends in tidal power development. <i>E3S Web of Conferences</i> , <b>2020</b> , 173, 01003	0.5	4
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159	Discussion of "Towards a global regionally varying allowance for sea-level rise" by J.R. Hunter, J.A. Church, N.J. White, X. Zhang [Ocean Engineering 71 (1) 17-27 (1 October 2013)]. <i>Ocean Engineering</i> , <b>2013</b> , 72, 470-472	3.9	3
158	Are synthetic liquid hydrocarbon fuels the future of more sustainable aviation in Australia?. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 14832-14836	6.7	3
157	Is there any real chance for carbon capture to be beneficial to the environment?. <i>Energy Policy</i> , <b>2013</b> , 57, 107-108	7.2	3
156	Numerical Investigation of Dual Fuel Diesel-CNG Combustion on Engine Performance and Emission <b>2015</b> ,		3
155	Reply to "Comment on Sea-level trend analysis for coastal management" by A. Parker, M. Saad Saleem, M. Lawson [Ocean and Coastal Management, <b>2014</b> , 87, 116-118	3.9	3
154	Australia's Under-Utilised Bioenergy Resources. <i>Waste and Biomass Valorization</i> , <b>2014</b> , 5, 235-243	3.2	3
153	Design of Rankine Cycle Systems to Deliver Fuel Economy Benefits over Cold Start Driving Cycles <b>2012</b> ,		3
152	Noble Metal Nanoparticles in Thin Film Solar Cells. <i>Nanoscience and Nanotechnology Letters</i> , <b>2013</b> , 5, 36-40	0.8	3
151	Discussion of "Dynamic System Model to Predict Global Sea-Level Rise and Temperature Change" by Mustafa M. Aral, Jiabao Guan, and Biao Chang. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 370-372	1.8	3

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149	Alternative Crankshaft Mechanisms and Kinetic Energy Recovery Systems for Improved Fuel Economy of Light Duty Vehicles <b>2011</b> ,		3
148	Piston and Valve Deactivation for Improved Part Load Performances of Internal Combustion Engines <b>2011</b> ,		3
147	Coupling of a KERS Power Train and a Downsized 1.2TDI Diesel or a 1.6TDI-JI H2 Engine for Improved Fuel Economies in a Compact Car <b>2010</b> ,		3
146	Is New Zealand globally warming?. <i>International Journal of Global Warming</i> , <b>2011</b> , 3, 219	0.6	3
145	Comparison of Pfi and Di Superbike Engines <b>2008</b> ,		3
144	Optimizing the Design of the Air Flow Orifice or Restrictor for Race Car Applications <b>2007</b> ,		3
143	State-of-the-art of MW-level capacity oceanic current turbines. <i>Nonlinear Engineering</i> , <b>2020</b> , 9, 361-369	3	3
142	Progress of Direct Injection and Jet Ignition in Throttle-Controlled Engines		3
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139	Computation of storage power and energy to stabilize a wind-and-solar-only Australian National Electricity Market grid. <i>Energy Storage</i> , <b>2021</b> , 3, e131	2.8	3
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137	Geodetic observation crucial to sea level monitoring. <i>Arabian Journal of Geosciences</i> , <b>2018</b> , 11, 1	1.8	3
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133	A Naturally Aspirated Four Stroke Racing Engine with One Intake and One Exhaust Horizontal Rotary Valve per Cylinder and Central Direct Injection and Ignition by Spark or Jet <b>2015</b> ,		2

132	Design of 65 degree V4 Moto GP Engines with Pneumatic Poppet Valves or Rotary Valves <b>2015</b> ,		2
131	Two Stroke Direct Injection Jet Ignition Engines for Unmanned Aerial Vehicles <b>2015</b> ,		2
130	Rebuttal to: ENGE-D-13-00994R2 Modelling of lake level under climate change conditions: Lake Purrumbete in southeastern Australia by Yihdego et al. (2015). <i>Environmental Earth Sciences</i> , <b>2015</b> , 74, 5453-5456	2.9	2
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125	Advances in Combustion Systems for Gas Engines <b>2013</b> ,		2
124	Advances in Waste Heat Recovery Systems for Gas Engines <b>2013</b> ,		2
123	Use of Bio-Ethanol and Bio-Diesel The Key Solution for a More Sustainable Road Transport <b>2011</b> ,		2
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121	On the Advantages of E100 Over Gasoline in Down-Sized, Turbo-Charged, Direct-Injected, Variable Valve Actuated, and Stoichiometric S.I. Engines <b>2011</b> ,		2
120	Coupling of a KERS Powertrain and a 4 Litre Gasoline Engine for Improved Fuel Economy in a Full Size Car <b>2010</b> ,		2
119	Direct Injection and Spark Controlled Jet Ignition to Convert A Diesel Truck Engine to LPG <b>2010</b> ,		2
118	Design of the 690 and 420 Touring Car Racing Engines <b>2009</b> ,		2
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112	Simulation of large PV energy facilities with SAM HCPV and PV detailed models. <i>E3S Web of Conferences</i> , <b>2020</b> , 181, 03001	0.5	2
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80	On the different assessments of present velocity and acceleration in a tide gauge record characterized by a quasi-60-year periodic oscillation: comment to Barker A., oscillations of sea level rise along the Atlantic coast of North America north of Cape Hatteras, natural hazards, in press, accepted manuscript <i>Natural Hazards</i> , <b>2014</b> , 1	3	1
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75	Alternative Crankshaft Mechanisms and Kinetic Energy Recovery Systems for Improved Fuel Economy of Passenger Cars <b>2011</b> ,		1
74	Novel Engine Concepts for Multi Fuel Military Vehicles <b>2012</b> ,		1
73	Experimental and Numerical Analysis of Engine Gas Exchange, Combustion and Heat Transfer during Warm-Up <b>2008</b> ,		1
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58	A dual fuel ICE diesel-H <sub>2</sub> featuring 1,600 bar cryogenic liquid H <sub>2</sub> injection. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 19171-19179	6.7	1
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18	Computations of gas exchange, heat release and transfer processes in engine fuelled with diesel or CNG. <i>World Journal of Engineering</i> , <b>2012</b> , 9, 187-198	1.8
17	Glyphosate and Non-Hodgkin Lymphoma. <i>Asian Journal of Organic &amp; Medicinal Chemistry</i> , <b>2021</b> , 5, 340-347	2
16	The penalty in energy consumption of battery electric vehicles operating at subzero temperatures. <i>Energy Storage</i> , <b>2021</b> , 3, e219	2.8
15	Analysis of Tide Gauge Sea Level Time Series <b>2015</b> , 299-315	
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9	The Nonlinear Pattern of Sea Levels: A Case Study of North America <b>2020</b> , 141-168	
8	Comparison of actual Levelized Cost of Electricity of solar thermal concentrating solar power plants. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 633, 012003	0.3
7	Vitamin D and SARS-CoV-2 Infection. <i>Asian Journal of Organic &amp; Medicinal Chemistry</i> , <b>2021</b> , 6, 68-72	0.2

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