

# Bianca Maria Vaglieco

## List of Publications by Year in descending order

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213  
papers

3,556  
citations

201385

27  
h-index

243296

44  
g-index

214  
all docs

214  
docs citations

214  
times ranked

2059  
citing authors

#	ARTICLE	IF	CITATIONS
1	IJER editorial: The future of the internal combustion engine. International Journal of Engine Research, 2020, 21, 3-10.	1.4	457
2	Thermodynamic and optical characterizations of a high performance GDI engine operating in homogeneous and stratified charge mixture conditions fueled with gasoline and bio-ethanol. Fuel, 2012, 96, 204-219.	3.4	124
3	A comprehensive analysis of the effect of ethanol, methane and methane-hydrogen blend on the combustion process in a PFI (port fuel injection) engine. Energy, 2015, 88, 101-110.	4.5	77
4	Knock investigation by flame and radical species detection in spark ignition engine for different fuels. Energy Conversion and Management, 2007, 48, 2897-2910.	4.4	74
5	Investigating the origin of nuclei particles in GDI engine exhausts. Combustion and Flame, 2012, 159, 1687-1692.	2.8	72
6	Experimental investigation on the combustion process in a spark ignition optically accessible engine fueled with methane/hydrogen blends. International Journal of Hydrogen Energy, 2014, 39, 9809-9823.	3.8	64
7	In situ evaluation of the soot refractive index in the UV-visible from the measurement of the scattering and extinction coefficients in rich flames. Combustion and Flame, 1990, 79, 259-271.	2.8	62
8	Study of the multi-injection combustion process in a transparent direct injection common rail diesel engine by means of optical techniques. International Journal of Engine Research, 2008, 9, 483-498.	1.4	60
9	POD-based analysis of combustion images in optically accessible engines. Combustion and Flame, 2010, 157, 632-640.	2.8	59
10	First and second generation biodiesels spray characterization in a diesel engine. Fuel, 2011, 90, 2870-2883.	3.4	55
11	Effects of natural gas composition on performance and regulated, greenhouse gas and particulate emissions in spark-ignition engines. Energy Conversion and Management, 2017, 143, 338-347.	4.4	53
12	Study about the link between injection strategy and knock onset in an optically accessible multi-cylinder GDI engine. Energy Conversion and Management, 2017, 134, 1-19.	4.4	52
13	Effect of after-treatment systems on particulate matter emissions in diesel engine exhaust. Experimental Thermal and Fluid Science, 2020, 116, 110107.	1.5	51
14	Analysis of the effects of diesel/methane dual fuel combustion on nitrogen oxides and particle formation through optical investigation in a real engine. Fuel Processing Technology, 2017, 159, 200-210.	3.7	49
15	Optical investigation of the combustion behaviour inside the engine operating in HCCI mode and using alternative diesel fuel. Experimental Thermal and Fluid Science, 2010, 34, 346-351.	1.5	47
16	Mixture preparation and combustion in a GDI engine under stoichiometric or lean charge: an experimental and numerical study on an optically accessible engine. Applied Energy, 2016, 180, 86-103.	5.1	47
17	Premixed combustion of GTL and RME fuels in a single cylinder research engine. Applied Energy, 2012, 91, 385-394.	5.1	46
18	Air-fuel mixing and combustion behavior of gasoline-ethanol blends in a GDI wall-guided turbocharged multi-cylinder optical engine. Renewable Energy, 2016, 96, 319-332.	4.3	45

#	ARTICLE	IF	CITATIONS
19	Analysis of combustion of methane and hydrogen "methane blends in small DI SI (direct injection spark) Tj ETQq1, 1, 0.784314 rgBT 10	4.5	45
20	POD-based analysis of cycle-to-cycle variations in an optically accessible diesel engine. Proceedings of the Combustion Institute, 2009, 32, 2809-2816.	2.4	43
21	Determination of combustion parameters using engine crankshaft speed. Mechanical Systems and Signal Processing, 2013, 38, 628-633.	4.4	43
22	Effects of lubricant oil on particulate emissions from port-fuel and direct-injection spark-ignition engines. International Journal of Engine Research, 2017, 18, 606-620.	1.4	41
23	Analysis of the combustion process in a lean-burning turbulent jet ignition engine fueled with methane. Energy Conversion and Management, 2020, 223, 113257.	4.4	37
24	Ethanol effect as premixed fuel in dual-fuel CI engines: Experimental and numerical investigations. Applied Energy, 2014, 119, 394-404.	5.1	36
25	Influence of ethanol blended and dual fueled with gasoline on soot formation and particulate matter emissions in a small displacement spark ignition engine. Fuel, 2019, 245, 253-262.	3.4	36
26	Optical characterization of bio-ethanol injection and combustion in a small DISI engine for two wheels vehicles. Fuel, 2013, 106, 651-666.	3.4	35
27	Analysis of energy efficiency of methane and hydrogen-methane blends in a PFI/DI SI research engine. Energy, 2016, 117, 378-387.	4.5	34
28	Investigation on the effects of butanol and ethanol fueling on combustion and PM emissions in an optically accessible DISI engine. Fuel, 2018, 216, 121-141.	3.4	33
29	Particle Size Distributions from a DI High Performance SI Engine Fuelled with Gasoline-Ethanol Blended Fuels. , 0, , .		30
30	Spectroscopic measurements of premixed combustion in diesel engine. Fuel, 2011, 90, 511-520.	3.4	30
31	Effects of a biodiesel blend on energy distribution and exhaust emissions of a small CI engine. Energy Conversion and Management, 2015, 96, 72-80.	4.4	30
32	Non-Intrusive Investigation in a Small GDI Optical Engine Fuelled with Gasoline and Ethanol. SAE International Journal of Engines, 0, 4, 50-66.	0.4	27
33	Characterization of particle number and mass size distributions from a small compression ignition engine operating in diesel/methane dual fuel mode. Fuel, 2016, 180, 613-623.	3.4	27
34	Simultaneous 36 kHz PLIF/chemiluminescence imaging of fuel, CH <sub>2</sub> O and combustion in a PPC engine. Proceedings of the Combustion Institute, 2019, 37, 4751-4758.	2.4	27
35	Effect of the fuel injection strategy on the combustion process in a PFI boosted spark-ignition engine. Energy, 2010, 35, 1094-1100.	4.5	25
36	Characterization of Ethanol-Gasoline Blends Combustion processes and Particle Emissions in a GDI/PFI Small Engine. , 2014, , .		24

#	ARTICLE	IF	CITATIONS
37	Effect of fuel quality on combustion evolution and particle emissions from PFI and GDI engines fueled with gasoline, ethanol and blend, with focus on 10 <sup>6</sup> –23 <sup>Å</sup> m particles. <i>Energy</i> , 2022, 239, 122198.	4.5	24
38	Experimental Investigation of a Methane-Gasoline Dual-Fuel Combustion in a Small Displacement Optical Engine. , 0, , .		23
39	Characterization of Ethanol Blends Combustion Processes and Soot Formation in a GDI Optical Engine. , 2013, , .		23
40	Evaluation of compression ratio and blow-by rates for spark ignition engines based on in-cylinder pressure trace analysis. <i>Energy Conversion and Management</i> , 2018, 162, 98-108.	4.4	23
41	Alternative Diesel Fuels Effects on Combustion and Emissions of an Euro4 Automotive Diesel Engine. <i>SAE International Journal of Engines</i> , 0, 2, 542-561.	0.4	22
42	Experimental investigation in an optically accessible diesel engine of a fouled piezoelectric injector. <i>Energy</i> , 2014, 64, 842-852.	4.5	22
43	Spectroscopic analysis of the phases of premixed combustion in a compression ignition engine fuelled with diesel and ethanol. <i>Applied Energy</i> , 2015, 143, 164-175.	5.1	22
44	Spectroscopic characterization of energy transfer and thermal conditions of the flame kernel in a spark ignition engine fueled with methane and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13276-13288.	3.8	22
45	Optical and Radiative Properties of Particulates at Diesel Engine Exhaust. <i>Combustion Science and Technology</i> , 1994, 102, 283-299.	1.2	21
46	Development and experimental testing of an integrated prototype based on Stirling, ORC and a latent thermal energy storage system for waste heat recovery in naval application. <i>Applied Energy</i> , 2022, 311, 118673.	5.1	21
47	Optical Diagnostics of Temporal and Spatial Evolution of a Reacting Diesel Fuel Jet. <i>Combustion Science and Technology</i> , 1999, 148, 1-16.	1.2	20
48	Reconstruction of In-Cylinder Pressure in a Diesel Engine from Vibration Signal Using a RBF Neural Network Model. , 0, , .		20
49	An experimental investigation on combustion and engine performance and emissions of a methane-gasoline dual-fuel optical engine. , 0, , .		20
50	Analysis of the pilot injection running Common Rail strategies in a research diesel engine by means of infrared diagnostics and 1d model. <i>Fuel</i> , 2016, 178, 188-201.	3.4	20
51	Exploring the potentials of lean-burn hydrogen SI engine compared to methane operation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 25044-25056.	3.8	20
52	Instrumental and bio-monitoring of heavy metal and nanoparticle emissions from diesel engine exhaust in controlled environment. <i>Journal of Environmental Sciences</i> , 2010, 22, 1357-1363.	3.2	19
53	Analysis of Diesel engine combustion using imaging and independent component analysis. <i>Proceedings of the Combustion Institute</i> , 2013, 34, 2921-2931.	2.4	19
54	Accelerometer measurement for MFB evaluation in multi-cylinder diesel engine. <i>Energy</i> , 2017, 133, 843-850.	4.5	19

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55	Heat transfer of a Stirling engine for waste heat recovery application from internal combustion engines. <i>Applied Thermal Engineering</i> , 2021, 198, 117492.	3.0	19
56	Use of Accelerometers for Spark Advance Control of SI Engines. <i>SAE International Journal of Engines</i> , 0, 2, 971-981.	0.4	18
57	Combustion Analysis of Dual Fuel Operation in Single Cylinder Research Engine Fuelled with Methane and Diesel. , 0, , .		18
58	Analysis of spray injection in a light duty CR diesel engine supported by non-conventional measurements. <i>Fuel</i> , 2015, 158, 512-522.	3.4	18
59	Investigation on sub-23 nm particles and their volatile organic fraction (VOF) in PFI/DI spark ignition engine fueled with gasoline, ethanol and a 30 %v/v ethanol blend. <i>Journal of Aerosol Science</i> , 2021, 153, 105723.	1.8	18
60	Use of Renewable Oxygenated Fuels in Order to Reduce Particle Emissions from a GDI High Performance Engine. , 0, , .		17
61	Full-Cycle CFD Modeling of Air/Fuel Mixing Process in an Optically Accessible GDI Engine. <i>SAE International Journal of Engines</i> , 0, 6, 1610-1625.	0.4	17
62	Independent component analysis of cycle resolved combustion images from a spark ignition optical engine. <i>Combustion and Flame</i> , 2016, 163, 258-269.	2.8	17
63	Spectroscopic analysis and modeling of particulate formation in a diesel engine. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2002, 73, 443-450.	1.1	16
64	Optical investigations of fuel deposition burning in ported fuel injection (PFI) spark-ignition (SI) engine. <i>Energy</i> , 2009, 34, 2108-2115.	4.5	16
65	Split Injection in a GDI Engine Under Knock Conditions: An Experimental and Numerical Investigation. , 0, , .		16
66	Effects of both blended and pure biodiesel on waste heat recovery potentiality and exhaust emissions of a small CI (compression ignition) engine. <i>Energy</i> , 2015, 86, 661-671.	4.5	16
67	An Experimental and Numerical Investigation of GDI Spray Impact over Walls at Different Temperatures. , 0, , .		16
68	Evidence of sub-10 <sup>2</sup> nm particles emitted from a small-size diesel engine. <i>Experimental Thermal and Fluid Science</i> , 2018, 95, 60-64.	1.5	15
69	Influence of water injection on combustion identified through spectroscopy in an optical direct injection spark ignition engine. <i>Fuel</i> , 2020, 273, 117729.	3.4	15
70	Optical characterization of methanol compression-ignition combustion in a heavy-duty engine. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 5509-5517.	2.4	15
71	Multiwavelength ultraviolet absorption spectroscopy of NO and OH radical concentration applied to a high-swirl diesel-like system. <i>Experimental Thermal and Fluid Science</i> , 2004, 28, 355-367.	1.5	14
72	Radical species in the cool-flame regime of diesel combustion: a comparative numerical and experimental study. <i>Experiments in Fluids</i> , 2005, 39, 514-526.	1.1	14

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73	Diagnosis and Control of Advanced Diesel Combustions using Engine Vibration Signal. , 0, , .		14
74	Experimental and Numerical Investigation in a Turbocharged GDI Engine Under Knock Condition by Means of Conventional and Non-Conventional Methods. SAE International Journal of Engines, 2015, 8, 437-446.	0.4	14
75	Assessment of the New Features of a Prototype High-Pressure "Hollow Cone Spray" Diesel Injector by Means of Engine Performance Characterization and Spray Visualization. , 0, , .		14
76	Characterization of pure and blended biodiesel spray in a compression ignition engine by means of advanced diagnostics and 1D model. Fuel, 2019, 239, 1102-1114.	3.4	14
77	Effect of Injection Phasing on Valves and Chamber Fuel Deposition Burning in a PFI Boosted Spark-Ignition Engine. SAE International Journal of Fuels and Lubricants, 0, 1, 192-200.	0.2	13
78	GTL (Gas To Liquid) and RME (Rapeseed Methyl Ester) combustion analysis in a transparent CI (compression ignition) engine by means of "IR (infrared) digital imaging. Energy, 2013, 58, 185-191.	4.5	13
79	Investigation of the combustion in both metal and optical diesel engines using high-glycerol ethers/diesel blends. International Journal of Engine Research, 2015, 16, 38-51.	1.4	13
80	Analysis of combustion phenomena and pollutant formation in a small compression ignition engine fuelled with blended and pure rapeseed methyl ester. Energy, 2016, 106, 618-630.	4.5	13
81	Study on dual fuel combustion in an optical research engine by infrared diagnostics varying methane quantity and engine speed. Applied Thermal Engineering, 2020, 178, 115623.	3.0	13
82	Effect of fuel injection strategies on the combustion process in a PFI boosted SI engine. International Journal of Automotive Technology, 2009, 10, 545-553.	0.7	12
83	An experimental comparison of n-Heptane, RME and diesel fuel on combustion characteristics in a compression ignition engine. Fuel Processing Technology, 2013, 107, 44-49.	3.7	12
84	Characterization of CH4 and CH4/H2 Mixtures Combustion in a Small Displacement Optical Engine. SAE International Journal of Fuels and Lubricants, 2013, 6, 24-33.	0.2	12
85	ANN-based Virtual Sensor for On-line Prediction of In-cylinder Pressure in a Diesel Engine. Computer Aided Chemical Engineering, 2014, 33, 763-768.	0.3	12
86	Analysis of a Prototype High-Pressure "Hollow Cone Spray" Diesel Injector Performance in Optical and Metal Research Engines. , 0, , .		12
87	Effect of Fuel Injection Strategy on the Carbonaceous Structure Formation and Nanoparticle Emission in a DISI Engine Fuelled with Butanol. Energies, 2017, 10, 832.	1.6	12
88	Potential of infrared temperature measurements for the online estimation of the state-of-charge of a Li-polymer battery. Journal of Energy Storage, 2021, 44, 103532.	3.9	12
89	Spectral extinction measurements of spray combustion in a divided-chamber diesel engine system. Proceedings of the Combustion Institute, 1996, 26, 2533-2540.	0.3	11
90	Knocking diagnostics in the combustion chamber of boosted port fuel injection spark ignition optical engine. International Journal of Vehicle Design, 2009, 49, 70.	0.1	11

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91	UV-Visible Spectroscopic Measurements of Dual-Fuel PCCI Engine. SAE International Journal of Fuels and Lubricants, 0, 4, 271-281.	0.2	11
92	UV-Visible Imaging of PCCI Engine Running with Ethanol/Diesel Fuel. , 0, , .		11
93	Particle Formation and Emissions in an Optical Small Displacement SI Engine Dual Fueled with CNG DI and Gasoline PFI. , 0, , .		11
94	N-heptane ignition delay time with temperature criterion for HCCI combustion. Fuel, 2018, 225, 483-489.	3.4	11
95	Potential of thermal storage for hot potable water distribution in cruise ships. Energy Procedia, 2018, 148, 1105-1112.	1.8	11
96	Free-Piston Stirling Engine Technologies and Models: A Review. Energies, 2021, 14, 7009.	1.6	11
97	Fuel composition effects on particulate formation in a divided chamber diesel system. Experimental Thermal and Fluid Science, 2000, 21, 142-149.	1.5	10
98	Evaluation of RME (rapeseed methyl ester) and mineral diesel fuels behaviour in quiescent vessel and EURO 5 engine. Energy, 2014, 77, 783-790.	4.5	10
99	A comprehensive analysis of the impact of biofuels on the performance and emissions from compression and spark-ignition engines. International Journal of Engine Research, 2015, 16, 680-690.	1.4	10
100	Optimization of a GDI engine operation in the absence of knocking through numerical 1D and 3D modeling. Advances in Engineering Software, 2016, 95, 38-50.	1.8	10
101	Experimental Investigations on the Sources of Particulate Emission within a Natural Gas Spark-Ignition Engine. , 2017, , .		10
102	Design for an Optically Accessible Multicylinder High Performance GDI Engine. , 2011, , .		9
103	Spray Formation and Combustion Analysis in an Optical Single Cylinder Engine Operating with Fresh and Aged Biodiesel. SAE International Journal of Engines, 0, 4, 1963-1977.	0.4	9
104	Experimental and Numerical Investigation of the Idle Operating Engine Condition for a GDI Engine. , 2011, , .		9
105	Towards On-Line Prediction of the In-Cylinder Pressure in Diesel Engines from Engine Vibration Using Artificial Neural Networks. , 0, , .		9
106	Comparison of Spray Characteristics Measured in an Optical Single Cylinder Diesel Engine with 1D Model. , 0, , .		9
107	Investigation of Ethanol-Gasoline Dual Fuel Combustion on the Performance and Exhaust Emissions of a Small SI Engine. , 0, , .		9
108	Experimental and Numerical Investigation of the Effect of Split Injections on the Performance of a GDI Engine Under Lean Operation. , 2015, , .		9

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109	In-Cylinder Soot Formation and Exhaust Particle Emissions in a Small Displacement Spark Ignition Engine Operating with Ethanol Mixed and Dual Fueled with Gasoline. , 0, , .		9
110	Combined CFD - Experimental Analysis of the In-Cylinder Combustion Phenomena in a Dual Fuel Optical Compression Ignition Engine. , 0, , .		9
111	Sub-23 nm Particle Emissions from Gasoline Direct Injection Vehicles and Engines: Sampling and Measure. , 0, , .		9
112	Experimental and Numerical Investigation of the Idle Operating Engine Condition for a GDI Engine. , 2012, , .		8
113	Effect of Octane Number Obtained with Different Oxygenated Components on the Engine Performance and Emissions of a Small GDI Engine. , 0, , .		8
114	Effects of Ethanol and Gasoline Blending and Dual Fueling on Engine Performance and Emissions.. , 2015, , .		8
115	Experimental Characterization of an Ethanol DI - Gasoline PFI and Gasoline DI - Gasoline PFI Dual Fuel Small Displacement SI Engine. , 2015, , .		8
116	CFD Analysis of the Combustion Process in Dual-Fuel Diesel Engine. , 0, , .		8
117	Diesel/Methane Dual Fuel Strategy to Improve Environmental Performance of Energy Power Systems. International Journal of Heat and Technology, 2016, 34, S581-S588.	0.3	8
118	Infrared Diagnostics of a Li-Polymer Battery for the Estimation of the Surface Temperature Distribution and the Heat Transfer Parameters. , 0, , .		8
119	Study of E10 and E85 Effect on Air Fuel Mixing and Combustion Process in Optical Multicylinder GDI Engine and in a Spray Imaging Chamber. , 0, , .		7
120	Engine Performance and Emissions of a Small Diesel Engine Fueled with Various Diesel/RME Blends. , 0, , .		7
121	Investigation of the Injection Process in a Research CR Diesel Engine using Different Blends of Propane-Diesel Fuel. , 0, , .		7
122	Temperature Measurements of the Piston Optical Window in a Research Compression Ignition Engine Via Thermography and Templugs. , 0, , .		7
123	CFD Study and Experimental Validation of a Dual Fuel Engine: Effect of Engine Speed. Energies, 2021, 14, 4307.	1.6	7
124	Modeling Study of the Battery Pack for the Electric Conversion of a Commercial Vehicle. , 0, , .		7
125	Experimental Investigation of a Fueled Prechamber Combustion in an Optical Small Displacement SI Methane Engine. , 0, , .		7
126	Effect of ethanol blends, E10, E25 and E85 on sub-23Ånm particle emissions and their volatile fraction at exhaust of a high-performance GDI engine over the WLTC. Fuel, 2022, 327, 125184.	3.4	7



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127	Evaluation of temporal and spatial distribution of nanometric particles in a diesel engine by broadband optical techniques. International Journal of Engine Research, 2002, 3, 93-101.	1.4	6
128	Spectroscopic Investigations and High Resolution Visualization of the Combustion Phenomena in a Boosted PFI SI Engine. SAE International Journal of Engines, 0, 2, 1617-1629.	0.4	6
129	Optical Investigations of the Abnormal Combustion in a Boosted Spark-ignition PFI Engine. SAE International Journal of Engines, 0, 2, 632-644.	0.4	6
130	Assessment of a New Quasi-Dimensional Multizone Combustion Model for the Spray and Soot Formation Analysis in an Optical Single Cylinder Diesel Engine. SAE International Journal of Engines, 0, 6, 1677-1693.	0.4	6
131	Characterization of PCCI Combustion in a Single Cylinder CI Engine Fuelled with RME and Bio-Ethanol. , 0, , .		6
132	Spray and Soot Formation Analysis by Means of a Quasi-Dimensional Multizone Model in a Single Cylinder Diesel Engine under Euro 4 Operating Conditions. SAE International Journal of Engines, 0, 8, 2050-2067.	0.4	6
133	Characterization of Combustion and Emissions of a Propane-Diesel Blend in a Research Diesel Engine. , 0, , .		6
134	Performance, Gaseous and Particle Emissions of a Small Compression Ignition Engine Operating in Diesel/Methane Dual Fuel Mode. , 2016, , .		6
135	Optimization of the compressed natural gas direct injection in a small research spark ignition engine. International Journal of Engine Research, 2017, 18, 118-130.	1.4	6
136	Correlation between Simulated Volume Fraction Burned Using a Quasi-Dimensional Model and Flame Area Measured in an Optically Accessible SI Engine. , 2017, , .		6
137	Quasi-Dimensional Simulation of Downsizing and Inverter Application for Efficient Part Load Operation of Spark Ignition Engine Driven Micro-Cogeneration Systems. , 0, , .		6
138	Two Dimensional Analysis of Diesel Combustion by Spectral Flame Emissivity Measurements. , 0, , .		5
139	Experimental and modeling study of particulate formation in high-pressure diesel-like conditions. Proceedings of the Combustion Institute, 2000, 28, 1241-1247.	2.4	5
140	Determination of Size of Fuel Droplets and Soot Particles in a Diesel Engine by Broadband Extinction and Scattering Spectroscopy. Particle and Particle Systems Characterization, 2001, 18, 235-242.	1.2	5
141	Analysis of flame kinematics and cycle variation in a Port Fuel Injection Spark Ignition Engine. SAE International Journal of Engines, 2009, 2, 443-451.	0.4	5
142	Endoscopic Investigation of Combustion Process in a Small Compression Ignition Engine Fuelled with Rapeseed Methyl Ester. , 0, , .		5
143	Using 2d Infrared Imaging for the Analysis of Non-Conventional Fuels Combustion in a Diesel Engine. SAE International Journal of Engines, 2015, 8, 1701-1715.	0.4	5
144	Characterization of Knock Tendency and Onset in a GDI Engine by Means of Conventional Measurements and a Non-Conventional Flame Dynamics Optical Analysis. SAE International Journal of Engines, 0, 10, 2439-2450.	0.4	5

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145	Real Time Prediction of Particle Sizing at the Exhaust of a Diesel Engine by Using a Neural Network Model. SAE International Journal of Engines, 0, 10, 2202-2208.	0.4	5
146	Experimental and Numerical Investigation of a Lean SI Engine To Be Operated as Range Extender for Hybrid Powertrains. , 0, , .		5
147	Analysis of Dual Fuel Combustion in Single Cylinder Research Engine Fueled with Methane and Diesel by IR Diagnostics. , 0, , .		5
148	Experimental Validation and Numerical Simulation of a Hybrid Sensible-Latent Thermal Energy Storage for Hot Water Provision on Ships. Energies, 2022, 15, 2596.	1.6	5
149	Investigation of Diesel Injector Nozzle Flow Number Impact on Spray Formation and Combustion Evolution by Optical Diagnostics. , 0, , .		4
150	Study on Spray Injection and Combustion of Fouled and Cleaned Injectors by Means of 2-D Digital Imaging in a Transparent CR Diesel Engine. , 0, , .		4
151	Independent Component Analysis of Combustion Images in Optically Accessible Gasoline and Diesel Engines. , 0, , .		4
152	IR digital imaging for analysing in-cylinder combustion process in transparent diesel engine. , 2014, , .		4
153	Experimental Analysis of a Gasoline PFI-Methane DI Dual Fuel and an Air Assisted Combustion of a Transparent Small Displacement SI Engine. , 2015, , .		4
154	Analysis of the Effect of the Sampling Conditions on the sub-23 nm Particles Emitted by a Small Displacement PFI and DI SI Engines Fueled with Gasoline, Ethanol and a Blend. , 0, , .		4
155	Turbulent Jet Ignition Effect on Exhaust Emission and Efficiency of a SI Small Engine Fueled with Methane and Gasoline. , 0, , .		4
156	Measurement of Sub-23 nm Particles Emitted from PFI/DI SI Engine Fueled with Oxygenated Fuels: A Comparison between Conventional and Novel Methodologies. Energies, 2022, 15, 2021.	1.6	4
157	Influence of the Injection Pressure on the Combustion Performance and Emissions of Small GDI Engine Fuelled with Bio-Ethanol. , 0, , .		3
158	IR Imaging of Premixed Combustion in a Transparent Euro5 Diesel Engine. , 0, , .		3
159	Characterization of Soot Particles Produced in a Transparent Research CR DI Diesel Engine Operating with Conventional and Advanced Combustion Strategies. Aerosol Science and Technology, 2012, 46, 272-286.	1.5	3
160	Optical Characterization of Methane Combustion in a Four Stroke Engine for Two Wheel Application. , 2012, , .		3
161	Coking Effect of Different FN Nozzles on Injection and Combustion in an Optically Accessible Diesel Engine. , 2013, , .		3
162	Effect of Diesel/RME Blend on Particle Emissions from a Diesel Engine for Quadricycle Vehicle. , 0, , .		3

#	ARTICLE	IF	CITATIONS
163	Characterization of Combustion and Emissions in Light-Duty Diesel Engines Using High-Glycerol-Ethers/Diesel Blends. , 0, , .		3
164	Application of the optical flow method for the experimental analysis of turbulent flame propagation in a transparent engine. AIP Conference Proceedings, 2016, , .	0.3	3
165	On the Entrainment Velocity and Characteristic Length Scales Used for Quasi-Dimensional Turbulent Combustion Modeling in Spark Ignition Engines. , 0, , .		3
166	Experimental and Numerical Characterization of Diesel Injection in Single-Cylinder Research Engine with Rate Shaping Strategy. , 0, , .		3
167	Ultra-High Speed Fuel Tracer PLIF Imaging in a Heavy-Duty Optical PPC Engine. , 2018, , .		3
168	CFD Modeling of a Mixed Mode Boosted GDI Engine and Performance Optimization for the Avoidance of Knocking. Advances in Intelligent Systems and Computing, 2015, , 195-215.	0.5	3
169	Effects of Prechamber on Efficiency Improvement and Emissions Reduction of a SI Engine Fuelled with Gasoline. , 0, , .		3
170	Analysis of the Combustion Process of SI Engines Equipped with Non-Conventional Ignition System Architecture. , 0, , .		3
171	Thermal Imaging of a Li-Ion Battery for the Estimation of the Thermal Parameters and Instantaneous Heat Dissipated. , 0, , .		3
172	Multidimensional modelling of diesel combustion by a detailed kinetic scheme and comparison with in-cylinder optical measurements. International Journal of Vehicle Design, 2007, 45, 100.	0.1	2
173	Modeling and Performance Optimization of a Direct Injection Spark Ignition Engine for the Avoidance of Knocking. , 2014, , .		2
174	Application of Independent Component Analysis for the Study of Flame Dynamics and Cyclic Variation in Spark Ignition Engines. Combustion Science and Technology, 2016, 188, 637-650.	1.2	2
175	Biofuel effect on flame propagation and soot formation in a DISI engine. IOP Conference Series: Materials Science and Engineering, 2017, 252, 012092.	0.3	2
176	Nonlinear Systems and Circuits in Internal Combustion Engines. SpringerBriefs in Applied Sciences and Technology, 2018, , .	0.2	2
177	EVALUATION OF THE VAPORIZATION ENERGY OF A DIESEL AND A BIODIESEL SPRAY VIA INFRARED IMAGING AND 1D MODEL. Computational Thermal Sciences, 2019, 11, 285-296.	0.5	2
178	Sub-23 nm Particle Measurement and Assessment of Their Volatile Fraction at Exhaust of a Four Cylinder GDI Engine Fueled with E10 and E85 Under Transient Conditions. , 0, , .		2
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