

# Anand M Shivapuji

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2780647/publications.pdf>

Version: 2024-02-01

20  
papers

232  
citations

1040056

9  
h-index

996975

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-activated water from a dielectric barrier discharge plasma source for the selective treatment of cancer cells. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900260.	3.0	41
2	Influence of fuel hydrogen fraction on syngas fueled SI engine: Fuel thermo-physical property analysis and in-cylinder experimental investigations. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10308-10328.	7.1	38
3	In-cylinder investigations and analysis of a SI gas engine fuelled with H <sub>2</sub> and CO rich syngas fuel: Sensitivity analysis of combustion descriptors for engine diagnostics and control. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15786-15802.	7.1	22
4	Plasma-activated water from DBD as a source of nitrogen for agriculture: Specific energy and stability studies. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	21
5	Experiments and zero D modeling studies using specific Wiebe coefficients for producer gas as fuel in spark-ignited engines. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 504-519.	2.1	18
6	Quasi dimensional numerical investigation of syngas fuelled engine operation: MBT operation and parametric sensitivity analysis. <i>Applied Thermal Engineering</i> , 2017, 124, 911-928.	6.0	17
7	Syngas generation for methanol synthesis: oxy-steam gasification route using agro-residue as fuel. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1803-1818.	4.6	14
8	Experimental investigation of a non-catalytic cold plasma water-gas shift reaction. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 465205.	2.8	11
9	Selection and thermodynamic analysis of a turbocharger for a producer gas-fuelled multi-cylinder engine. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2014, 228, 340-356.	1.4	10
10	Analysis of thermodynamic scope engine simulation model empirical coefficients: Suitability assessment and tuning of conventional hydrocarbon fuel coefficients for bio syngas. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16834-16854.	7.1	10
11	Estimation of electron density and temperature in an argon rotating gliding arc using optical and electrical measurements. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	8
12	Effect of Gas Dynamics on Discharge Modes and Plasma Chemistry in Rotating Gliding Arc Reactor. <i>IEEE Transactions on Plasma Science</i> , 2021, 49, 502-506.	1.3	7
13	Influence of gas and solid phase thermo-physical and transport properties on the thermo-chemical conversion of char in reacting media: intra-particle, microscopic and temporal mass loss-based sensitivity analysis. <i>Combustion Theory and Modelling</i> , 2021, 25, 589-630.	1.9	4
14	Thermochemical Conversion of Biomass Char under Carbon Dioxide Flux in a Thermally Supported Environment: Experimental and One-Dimensional Numerical Investigations. <i>Energy &amp; Fuels</i> , 2022, 36, 1574-1591.	5.1	3
15	Adoption of Parallel Genetic Algorithms for the Solution of System of Equations. <i>International Journal of Research in Computer Science</i> , 2012, 2, 1-5.	0.3	2
16	Generation of skeletal and reduced reaction mechanisms for bio-derived syngas generated from biomass gasification – Experimental and numerical approach. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 16454-16477.	7.1	2
17	Numerical assessment of methane number and critical compression ratio of gaseous alternative fuels: CFR engine quasi dimensional simulation approach. <i>Thermal Science and Engineering Progress</i> , 2020, 20, 100661.	2.7	1
18	Assessment of planar laminar flame speed of Hythane generated in-situ from non-thermal plasma reforming of Methane : Flame tube based experiments and thermo-chemical analysis. <i>Thermal Science and Engineering Progress</i> , 2022, 29, 101179.	2.7	1

#	ARTICLE	IF	CITATIONS
19	Solid oxide fuel cells fueled by carbonaceous fuels: A thermodynamics-based approach for safe operation and experimental validation. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 3509-3531.	2.3	1
20	10.1063/5.0044014.1., 2021,,.		0