

# Chethan Kumar Gaddam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6026043/publications.pdf>

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14  
papers

530  
citations

1040056

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1125743

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g-index

14  
all docs

14  
docs citations

14  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical and chemical characterization of SIDI engine particulates. Combustion and Flame, 2013, 160, 2517-2528.	5.2	126
2	Soot oxidation kinetics under pressurized conditions. Combustion and Flame, 2014, 161, 2951-2965.	5.2	107
3	Effect of nanostructure, oxidative pressure and extent of oxidation on model carbon reactivity. Combustion and Flame, 2015, 162, 1848-1856.	5.2	94
4	A Laboratory Comparison of Emission Factors, Number Size Distributions, and Morphology of Ultrafine Particles from 11 Different Household Cookstove-Fuel Systems. Environmental Science & Technology, 2017, 51, 6522-6532.	10.0	59
5	Reconciliation of carbon oxidation rates and activation energies based on changing nanostructure. Carbon, 2016, 98, 545-556.	10.3	58
6	Quantification of nano-scale carbon structure by HRTEM and lattice fringe analysis. Pattern Recognition Letters, 2016, 76, 90-97.	4.2	35
7	Detection of explosives by plasma optical emission spectroscopy. Sensors and Actuators B: Chemical, 2013, 176, 985-993.	7.8	17
8	Atmospheric Microplasma Jet: Spectroscopic Database Development and Analytical Results. Applied Spectroscopy, 2011, 65, 1073-1082.	2.2	9
9	An Investigation of Micro-Hollow Cathode Glow Discharge Generated Optical Emission Spectroscopy for Hydrocarbon Detection and Differentiation. Applied Spectroscopy, 2014, 68, 649-656.	2.2	9
10	Soot differentiation by laser derivatization. Aerosol Science and Technology, 2019, 53, 207-229.	3.1	6
11	Spectroscopic characterization and comparison between biologics, organics and mineral compounds using pulsed micro-hollow glow discharge. Journal of Analytical Atomic Spectrometry, 2014, 29, 1791-1798.	3.0	5
12	Direct microplasma analysis of coals and sorbents for C, H, N, S and mineral element concentrations. International Journal of Coal Geology, 2015, 143, 11-21.	5.0	3
13	Multifunctional glow discharge analyzer for spacecraft monitoring. Combustion and Flame, 2012, 159, 1160-1164.	5.2	2
14	Carbon Nano-Onions: Synthesis, Characterization, and Applications. , 2014, , 1-11.		0