

Chethan Kumar Gaddam

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

530
citations

1040056

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1125743

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g-index

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all docs

14
docs citations

14
times ranked

598
citing authors

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