

Manoel Y Manuputty

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

266
citations

840776

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1058476

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docs citations

14
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphism of nanocrystalline TiO ₂ prepared in a stagnation flame: formation of the TiO ₂ -II phase. <i>Chemical Science</i> , 2019, 10, 1342-1350.	7.4	40
2	Modelling soot formation in a benchmark ethylene stagnation flame with a new detailed population balance model. <i>Combustion and Flame</i> , 2019, 203, 56-71.	5.2	36
3	Flame Synthesized Blue TiO ₂ with Tunable Oxygen Vacancies from Surface to Grain Boundary to Bulk. <i>Small Methods</i> , 2021, 5, e2000928.	8.6	28
4	Modelling TiO ₂ formation in a stagnation flame using method of moments with interpolative closure. <i>Combustion and Flame</i> , 2017, 178, 135-147.	5.2	26
5	Premixed Stagnation Flame Synthesized TiO ₂ Nanoparticles with Mixed Phases for Efficient Photocatalytic Hydrogen Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14470-14479.	6.7	25
6	Co ₃ O ₄ and Fe ₃ O ₄ Nanoparticles/Films Synthesized in a Vapor-Fed Flame Aerosol Reactor for Oxygen Evolution. <i>ACS Applied Energy Materials</i> , 2018, 1, 655-665.	5.1	20
7	A two-step simulation methodology for modelling stagnation flame synthesised aggregate nanoparticles. <i>Combustion and Flame</i> , 2019, 202, 143-153.	5.2	17
8	Numerical simulation and parametric sensitivity study of titanium dioxide particles synthesised in a stagnation flame. <i>Journal of Aerosol Science</i> , 2019, 138, 105451.	3.8	16
9	Detailed characterisation of TiO ₂ nano-aggregate morphology using TEM image analysis. <i>Journal of Aerosol Science</i> , 2019, 133, 96-112.	3.8	16
10	Simulation of primary particle size distributions in a premixed ethylene stagnation flame. <i>Combustion and Flame</i> , 2020, 216, 126-135.	5.2	13
11	Understanding the anatase-rutile stability in flame-made TiO ₂ . <i>Combustion and Flame</i> , 2021, 226, 347-361.	5.2	12
12	TiO ₂ with controllable oxygen vacancies for efficient isopropanol degradation: photoactivity and reaction mechanism. <i>Catalysis Science and Technology</i> , 2021, 11, 4060-4071.	4.1	9
13	Simulations of TiO ₂ nanoparticles synthesised off-centreline in jet-wall stagnation flames. <i>Journal of Aerosol Science</i> , 2022, 162, 105928.	3.8	6
14	Temperature and CH* measurements and simulations of laminar premixed ethylene jet-wall stagnation flames. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 2083-2091.	3.9	2