Manoel Y Manuputty

List of Publications by Year
in descending order

14 papers	266 citations	840776 11 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	255 citing authors

#	Article	IF	Citations
1	Simulations of TiO2 nanoparticles synthesised off-centreline in jet-wall stagnation flames. Journal of Aerosol Science, 2022, 162, 105928.	3.8	6
2	Flame Synthesized Blue TiO_{2â^’}_x with Tunable Oxygen Vacancies from Surface to Grain Boundary to Bulk. Small Methods, 2021, 5, e2000928.	8.6	28
3	Temperature and CH* measurements and simulations of laminar premixed ethylene jet-wall stagnation flames. Proceedings of the Combustion Institute, 2021, 38, 2083-2091.	3.9	2
4	Understanding the anatase-rutile stability in flame-made TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Combustion and Flame, 2021, 226, 347-361.	5.2	12
5	TiO2 with controllable oxygen vacancies for efficient isopropanol degradation: photoactivity and reaction mechanism. Catalysis Science and Technology, 2021, 11, 4060-4071.	4.1	9
6	Simulation of primary particle size distributions in a premixed ethylene stagnation flame. Combustion and Flame, 2020, 216, 126-135.	5.2	13
7	Numerical simulation and parametric sensitivity study of titanium dioxide particles synthesised in a stagnation flame. Journal of Aerosol Science, 2019, 138, 105451.	3.8	16
8	Polymorphism of nanocrystalline TiO₂ prepared in a stagnation flame: formation of the TiO₂-II phase. Chemical Science, 2019, 10, 1342-1350.	7.4	40
9	A two-step simulation methodology for modelling stagnation flame synthesised aggregate nanoparticles. Combustion and Flame, 2019, 202, 143-153.	5.2	17
10	Detailed characterisation of TiO2 nano-aggregate morphology using TEM image analysis. Journal of Aerosol Science, 2019, 133, 96-112.	3.8	16
11	Modelling soot formation in a benchmark ethylene stagnation flame with a new detailed population balance model. Combustion and Flame, 2019, 203, 56-71.	5.2	36
12	Co₃O₄ and Fe_xCo_{3â€“x}O₄ Nanoparticles/Films Synthesized in a Vapor-Fed Flame Aerosol Reactor for Oxygen Evolution. ACS Applied Energy Materials, 2018, 1, 655-665.	5.1	20
13	Premixed Stagnation Flame Synthesized TiO₂ Nanoparticles with Mixed Phases for Efficient Photocatalytic Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2018, 6, 14470-14479.	6.7	25
14	Modelling TiO 2 formation in a stagnation flame using method of moments with interpolative closure. Combustion and Flame, 2017, 178, 135-147.	5.2	26