

# Jayaprakash Krishnasamy

## List of Publications by Year in descending order

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7  
papers

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citations

1478505

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docs citations

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times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	A cohesive-zone crack healing model for self-healing materials. International Journal of Solids and Structures, 2018, 134, 249-263.	2.7	48
2	Computational investigation of porosity effects on fracture behavior of thermal barrier coatings. Ceramics International, 2019, 45, 20518-20527.	4.8	19
3	Numerical Investigation into the Effect of Splats and Pores on the Thermal Fracture of Air Plasma-Sprayed Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2019, 28, 1881-1892.	3.1	19
4	Modelling the fracture behaviour of thermal barrier coatings containing healing particles. Materials and Design, 2018, 157, 75-86.	7.0	16
5	A micromechanical fracture analysis to investigate the effect of healing particles on the overall mechanical response of a self-healing particulate composite. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 533-545.	3.4	9
6	Determination of fracture strength and fracture energy of (metallo-) ceramics by a wedge loading methodology and corresponding cohesive zone-based finite element analysis. Engineering Fracture Mechanics, 2018, 196, 56-70.	4.3	7
7	Thermal cyclic behavior and lifetime prediction of self-healing thermal barrier coatings. International Journal of Solids and Structures, 2021, 222-223, 111034.	2.7	4