

Y Sudhakar

List of Publications by Year in descending order

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Version: 2024-02-01

7
papers

208
citations

1478505

6
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Quadrature schemes for arbitrary convex/concave volumes and integration of weak form in enriched partition of unity methods. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2013, 258, 39-54.	6.6	86
2	An accurate, robust, and easy-to-implement method for integration over arbitrary polyhedra: Application to embedded interface methods. <i>Journal of Computational Physics</i> , 2014, 273, 393-415.	3.8	52
3	Transfer of mass and momentum at rough and porous surfaces. <i>Journal of Fluid Mechanics</i> , 2020, 884, .	3.4	39
4	Higher-Order Homogenized Boundary Conditions for Flows Over Rough and Porous Surfaces. <i>Transport in Porous Media</i> , 2021, 136, 1-42.	2.6	16
5	Mesh refitting approach: a simple method to model mixed-mode crack propagation in nonlinear elastic solids. <i>Advanced Modeling and Simulation in Engineering Sciences</i> , 2017, 4, .	1.7	6
6	A strongly coupled partitioned approach for fluid-structure-fracture interaction. <i>International Journal for Numerical Methods in Fluids</i> , 2018, 87, 90-108.	1.6	6
7	Prediction of drag components on rough surfaces using effective models. <i>Physics of Fluids</i> , 2022, 34, .	4.0	3