

Rohan Vernekar

List of Publications by Year in descending order

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papers

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citations

1163117
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g-index

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all docs

9
docs citations

9
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministic Lateral Displacement: Challenges and Perspectives. ACS Nano, 2020, 14, 10784-10795.	14.6	97
2	Anisotropic permeability in deterministic lateral displacement arrays. Lab on A Chip, 2017, 17, 3318-3330.	6.0	37
3	Analysis of transport of collimated radiation in a participating media using the lattice Boltzmann method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2088-2099.	2.3	32
4	Lattice Boltzmann Method Applied to Radiative Transport Analysis in a Planar Participating Medium. Heat Transfer Engineering, 2014, 35, 1267-1278.	1.9	28
5	Label-Free Biophysical Markers from Whole Blood Microfluidic Immune Profiling Reveal Severe Immune Response Signatures. Small, 2021, 17, e2006123.	10.0	22
6	Analysis of transport of short-pulse radiation in a participating medium using lattice Boltzmann method. International Journal of Heat and Mass Transfer, 2014, 77, 218-229.	4.8	21
7	Breakdown of deterministic lateral displacement efficiency for non-dilute suspensions: A numerical study. Medical Engineering and Physics, 2015, 37, 845-854.	1.7	20
8	The fluidic resistance of an array of obstacles and a method for improving boundaries in deterministic lateral displacement arrays. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	12
9	Inflammation Biomarkers: Label-Free Biophysical Markers from Whole Blood Microfluidic Immune Profiling Reveal Severe Immune Response Signatures (Small 12/2021). Small, 2021, 17, 2170051.	10.0	1