

# Manik Bansal

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3714335/publications.pdf>

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7  
papers

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1684188  
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1872680  
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docs citations

7  
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79  
citing authors

#	ARTICLE	IF	CITATIONS
1	A parallel and efficient multi-split XFEM for 3-D analysis of heterogeneous materials. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 365-401.	6.6	29
2	A stochastic XFEM model for the tensile strength prediction of heterogeneous graphite based on microstructural observations. Journal of Nuclear Materials, 2017, 487, 143-157.	2.7	24
3	A two-scale stochastic framework for predicting failure strength probability of heterogeneous materials. Composite Structures, 2017, 179, 294-325.	5.8	16
4	A simple and robust computational homogenization approach for heterogeneous particulate composites. Computer Methods in Applied Mechanics and Engineering, 2019, 349, 45-90.	6.6	16
5	An XFEM strain gradient damage model for efficient modeling of materials with reinforcement particles. Engineering Fracture Mechanics, 2022, 271, 108667.	4.3	7
6	A numerical prediction of flexural strength probability for NBG-18 nuclear grade graphite using strength pair model. Journal of Strain Analysis for Engineering Design, 2017, 52, 204-211.	1.8	3
7	Effect of plane stress and plane strain conditions over fracture parameters of ductile plate in SSY (LEFM) and EPFM regimes. , 2012, , 239-242.		0