

# Ali Shanian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11390656/publications.pdf>

Version: 2024-02-01

8  
papers

357  
citations

1684188  
5  
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1588992  
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g-index

8  
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8  
docs citations

8  
times ranked

408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Porosity Metallic Periodic Structures with Negative Poisson's Ratio. <i>Advanced Materials</i> , 2014, 26, 2365-2370.	21.0	208
2	Architected Materials with Ultra-Low Porosity for Vibration Control. <i>Advanced Materials</i> , 2016, 28, 5943-5948.	21.0	56
3	Dimpled elastic sheets: a new class of non-porous negative Poisson's ratio materials. <i>Scientific Reports</i> , 2016, 5, 18373.	3.3	51
4	On the design of porous structures with enhanced fatigue life. <i>Extreme Mechanics Letters</i> , 2017, 16, 13-17.	4.1	30
5	Application of Multifunctional Mechanical Metamaterials. <i>Advanced Engineering Materials</i> , 2019, 21, 1900084.	3.5	9
6	Stress Concentration in Low-Porosity Periodic Tessellations With Generic Patterns of Elliptical Holes Under Biaxial Strain. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2018, 85, .	2.2	1
7	Generalized tessellations of superelliptical voids in low porosity architected materials for stress mitigation. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, 20200864.	2.1	1
8	Architected Tunable Structure for Improved Capability in Extreme Environments. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2022, 144, .	1.4	1