

# Jonathan Russ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4418212/publications.pdf>

Version: 2024-02-01

5  
papers

183  
citations

1684188

5  
h-index

2053705

5  
g-index

5  
all docs

5  
docs citations

5  
times ranked

209  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel elastoplastic topology optimization formulation for enhanced failure resistance via local ductile failure constraints and linear buckling analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 373, 113478.	6.6	21
2	A novel topology optimization formulation for enhancing fracture resistance with a single quasi-brittle material. <i>International Journal for Numerical Methods in Engineering</i> , 2020, 121, 2827-2856.	2.8	23
3	Rupture of 3D-printed hyperelastic composites: Experiments and phase field fracture modeling. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 140, 103941.	4.8	45
4	Mechanical considerations for polymeric heart valve development: Biomechanics, materials, design and manufacturing. <i>Biomaterials</i> , 2019, 225, 119493.	11.4	58
5	Topology optimization for brittle fracture resistance. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 347, 238-263.	6.6	36