

# K A Seffen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10541098/publications.pdf>

Version: 2024-02-01

15  
papers

1,138  
citations

840585

11  
h-index

1058333

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

1290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absence of branches from xylan in <i>Arabidopsis xgu</i> mutants reveals potential for simplification of lignocellulosic biomass. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17409-17414.	3.3	283
2	Deployment dynamics of tape springs. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 1999, 455, 1003-1048.	1.0	207
3	A SIMULATED ANNEALING ALGORITHM FOR MULTIOBJECTIVE OPTIMIZATION. Engineering Optimization, 2000, 33, 59-85.	1.5	201
4	Mathematical Modeling of Skin Bioheat Transfer. Applied Mechanics Reviews, 2009, 62, .	4.5	171
5	Biothermomechanical behavior of skin tissue. Acta Mechanica Sinica/Lixue Xuebao, 2008, 24, 1-23.	1.5	110
6	Skin biothermomechanics for medical treatments. Journal of the Mechanical Behavior of Biomedical Materials, 2008, 1, 172-187.	1.5	43
7	Progressive Collapse of the World Trade Center: Simple Analysis. Journal of Engineering Mechanics - ASCE, 2008, 134, 125-132.	1.6	35
8	Surface Texturing Through Cylinder Buckling. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	23
9	Thermally-Induced Change in the Relaxation Behavior of Skin Tissue. Journal of Biomechanical Engineering, 2009, 131, 071001.	0.6	19
10	Effects of boundary conditions on bistable behaviour in axisymmetrical shallow shells. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20170230.	1.0	16
11	EFFECT OF THERMAL DAMAGE ON COMPRESSIVE BEHAVIOR OF SKIN TISSUE. Journal of Mechanics in Medicine and Biology, 2009, 09, 81-104.	0.3	13
12	Bistable polar-orthotropic shallow shells. Royal Society Open Science, 2019, 6, 190888.	1.1	11
13	An Exercise in Elementary Smart Structures. International Journal of Mechanical Engineering Education, 2002, 30, 59-72.	0.6	3
14	Curling of a Heated Annulus. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	1.1	3
15	Analysis of Coiled Piezoelectric Structures. Solid Mechanics and Its Applications, 2002, , 215-227.	0.1	0