

Peter Gosling

List of Publications by Year in descending order

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15
papers

336
citations

933447

10
h-index

1058476

14
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all docs

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docs citations

15
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Perturbation-based stochastic multi-scale computational homogenization method for woven textile composites. <i>International Journal of Solids and Structures</i> , 2016, 80, 368-380.	2.7	63
2	Exploiting the benefits of multi-scale analysis in reliability analysis for composite structures. <i>Composite Structures</i> , 2016, 155, 197-212.	5.8	41
3	Stochastic multi-scale finite element based reliability analysis for laminated composite structures. <i>Applied Mathematical Modelling</i> , 2017, 45, 457-473.	4.2	41
4	Perturbation-based stochastic multi-scale computational homogenization method for the determination of the effective properties of composite materials with random properties. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 300, 84-105.	6.6	34
5	Influence of stochastic variations in manufacturing defects on the mechanical performance of textile composites. <i>Composite Structures</i> , 2018, 194, 226-239.	5.8	31
6	Videogrammetric monitoring of as-built membrane roof structures. <i>Photogrammetric Record</i> , 2008, 23, 128-147.	0.4	28
7	A high-fidelity first-order reliability analysis for shear deformable laminated composite plates. <i>Composite Structures</i> , 2014, 115, 12-28.	5.8	23
8	Towards an understanding of variations in the buckling of tailored variable angle tow composite plates. <i>Composite Structures</i> , 2018, 203, 797-809.	5.8	19
9	A bendable finite element for the analysis of flexible cable structures. <i>Finite Elements in Analysis and Design</i> , 2001, 38, 45-63.	3.2	16
10	Thermal buckling optimization of variable angle tow fibre composite plates with gap/overlap free design. <i>Composite Structures</i> , 2019, 223, 110932.	5.8	14
11	Robust design optimization of variable angle tow composite plates for maximum buckling load in the presence of uncertainties. <i>Composite Structures</i> , 2019, 223, 110985.	5.8	10
12	Physically stabilised displacement-based ANS solid-shell element. <i>Finite Elements in Analysis and Design</i> , 2013, 74, 30-40.	3.2	8
13	A locking-free hexahedral element for the geometrically non-linear analysis of arbitrary shells. <i>Computational Mechanics</i> , 2005, 35, 94-114.	4.0	5
14	Total Lagrangian perspectives on analytical sensitivities for flexible beams. <i>International Journal of Engineering Science</i> , 2002, 40, 1363-1379.	5.0	3
15	Removal of shallow shell restriction from Touratier kinematic model. <i>Mechanics Research Communications</i> , 2011, 38, 463-467.	1.8	0