

Henrik Jensen

List of Publications by Year in descending order

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39
papers

1,800
citations

430754

18
h-index

315616

38
g-index

39
all docs

39
docs citations

39
times ranked

972
citing authors

#	ARTICLE	IF	CITATIONS
1	Models of fiber debonding and pullout in brittle composites with friction. <i>Mechanics of Materials</i> , 1990, 9, 139-163.	1.7	684
2	The characterization of telephone cord buckling of compressed thin films on substrates. <i>Journal of the Mechanics and Physics of Solids</i> , 2002, 50, 2355-2377.	2.3	204
3	The blister test for interface toughness measurement. <i>Engineering Fracture Mechanics</i> , 1991, 40, 475-486.	2.0	130
4	Decohesion of a cut prestressed film on a substrate. <i>International Journal of Solids and Structures</i> , 1990, 26, 1099-1114.	1.3	97
5	Effects of residual stresses in the blister test. <i>International Journal of Solids and Structures</i> , 1993, 30, 779-795.	1.3	95
6	Cohesive zone modelling of interface fracture near flaws in adhesive joints. <i>Engineering Fracture Mechanics</i> , 2004, 71, 2125-2142.	2.0	63
7	Kink band formation in fiber reinforced materials. <i>Journal of the Mechanics and Physics of Solids</i> , 1997, 45, 1121-1136.	2.3	54
8	Mixed mode interface fracture criteria. <i>Acta Metallurgica Et Materialia</i> , 1990, 38, 2637-2644.	1.9	49
9	Analysis of compressive failure of layered materials by kink band broadening. <i>International Journal of Solids and Structures</i> , 1999, 36, 3427-3441.	1.3	36
10	Analysis of mode mixity in blister tests. <i>International Journal of Fracture</i> , 1998, 94, 79-88.	1.1	33
11	Collapse of hydrostatically loaded cylindrical shells. <i>International Journal of Solids and Structures</i> , 1988, 24, 51-64.	1.3	31
12	Straight-sided, buckling-driven delamination of thin films at high stress levels. <i>International Journal of Fracture</i> , 2001, 110, 371-385.	1.1	31
13	The effect of residual stresses on adhesion measurements. <i>Journal of Adhesion Science and Technology</i> , 1994, 8, 579-586.	1.4	29
14	Kink band analysis accounting for the microstructure of fiber reinforced materials. <i>Mechanics of Materials</i> , 1996, 24, 305-315.	1.7	29
15	Energy release rates and stability of straight-sided, thin-film delaminations. <i>Acta Metallurgica Et Materialia</i> , 1993, 41, 601-607.	1.9	28
16	Numerical analysis of buckling-driven delamination. <i>International Journal of Solids and Structures</i> , 2002, 39, 3373-3386.	1.3	27
17	Initiation of failure at notches in unidirectional fiber composites. <i>Composite Structures</i> , 2015, 122, 51-56.	3.1	22
18	Comparison of a composite model and an individually fiber and matrix discretized model for kink band formation. <i>International Journal of Non-Linear Mechanics</i> , 2014, 67, 319-325.	1.4	20

#	ARTICLE	IF	CITATIONS
19	Steady-state propagation of interface corner crack. <i>International Journal of Solids and Structures</i> , 2013, 50, 1613-1620.	1.3	15
20	Constitutive model for imperfectly bonded fibre-reinforced composites. <i>Composite Structures</i> , 2018, 192, 82-92.	3.1	15
21	Numerical estimation of fracture toughness from indentation-induced circumferential cracking in thin films on ductile substrates. <i>International Journal of Solids and Structures</i> , 2013, 50, 3406-3417.	1.3	14
22	Toughness measurement of thin films based on circumferential cracks induced at conical indentation. <i>International Journal of Fracture</i> , 2015, 193, 117-130.	1.1	12
23	Models of failure in compression of layered materials. <i>Mechanics of Materials</i> , 1999, 31, 553-564.	1.7	11
24	Residual stress effects on the compressive strength of uni-directional fibre composites. <i>Acta Materialia</i> , 2002, 50, 2895-2904.	3.8	8
25	Crack front morphology near the free edges in double and single cantilever beam fracture experiments. <i>Engineering Fracture Mechanics</i> , 2017, 175, 219-234.	2.0	8
26	Crack initiation and growth in brittle bonds. <i>Engineering Fracture Mechanics</i> , 2003, 70, 1611-1621.	2.0	7
27	Buckling-driven delamination in layered spherical shells. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 230-240.	2.3	7
28	Interface fracture in adhesively bonded shell structures. <i>Engineering Fracture Mechanics</i> , 2008, 75, 571-578.	2.0	7
29	Kink band predictions in fiber composites using periodic boundary conditions. <i>Composite Structures</i> , 2019, 207, 331-339.	3.1	7
30	Three-dimensional numerical investigation of brittle bond fracture. <i>International Journal of Fracture</i> , 2002, 114, 153-165.	1.1	5
31	Perturbation analysis of crack front in simple cantilever plate peeling experiment. <i>International Journal of Adhesion and Adhesives</i> , 2014, 53, 29-33.	1.4	5
32	Circular channel cracks during indentation in thin films on ductile substrates. <i>Computational Materials Science</i> , 2015, 98, 263-270.	1.4	5
33	Debonding of particles in thin films. <i>International Journal of Solids and Structures</i> , 2014, 51, 2850-2856.	1.3	3
34	Anomalous crack arrays in anisotropic-strained manganite on scandate substrates. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	3
35	A numerical method for delamination in composites. <i>Computational Materials Science</i> , 1993, 1, 319-324.	1.4	2
36	Growth from initial to self-similar shape of an interface crack front. <i>International Journal of Adhesion and Adhesives</i> , 2018, 83, 59-68.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Delamination of compressed thin layers at corners. International Journal of Solids and Structures, 2008, 45, 5867-5878.	1.3	1
38	Experimental study of cracks at interfaces with voids. Procedia Structural Integrity, 2016, 2, 277-284.	0.3	1
39	X-ray Diffraction Studies of Free-Standing Electrodeposited Cu-patterns. Advanced Engineering Materials, 2004, 6, 828-832.	1.6	0