

Michael Dudik

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

123
citations

1478505

6
h-index

1281871

11
g-index

17
all docs

17
docs citations

17
times ranked

10
citing authors

#	ARTICLE	IF	CITATIONS
1	On the direction of development of a thin fracture process zone at the tip of an interfacial crack between dissimilar media. International Applied Mechanics, 2006, 42, 136-144.	0.6	26
2	Initial kinking of an interface crack between two elastic media. International Applied Mechanics, 2007, 43, 1090-1099.	0.6	23
3	Initial Development of the Prefracture Zone Near the Tip of a Crack Reaching the Interface Between Dissimilar Media. International Applied Mechanics, 2004, 40, 176-182.	0.6	19
4	Initial kinking of an interface crack between two elastic media under tension and shear. International Applied Mechanics, 2009, 45, 635-642.	0.6	11
5	Title is missing!. International Applied Mechanics, 2002, 38, 197-202.	0.6	8
6	Investigation of the Process Zone Near the Tip of an Interface Crack in the Elastic Body in Shear Within the Framework of the Complex Model. Journal of Mathematical Sciences, 2017, 220, 117-132.	0.4	8
7	Model of the structure of the near tip area of interface crack in a piece-homogeneous elastic-plastic body. Strength, Fracture and Complexity, 2018, 11, 31-50.	0.3	7
8	Modeling of the Crack Tip Plastic Zone by Two Slip Lines and the Order of Stress Singularity. International Journal of Fracture, 2004, 127, L105-L109.	2.2	6
9	Development of a prefracture zone from an interface crack at a corner point of an interface of two elastic media. Journal of Mathematical Sciences, 2012, 184, 121-135.	0.4	4
10	Stresses near Crack Tips on the Boundary of Two Media in the Presence of Plastic Strips. Materials Science, 2001, 37, 447-455.	0.9	2
11	Influence of the Plasticity of a Joining Material on the Kink of an Interface Crack at the Corner Point of the Interface of Media. Materials Science, 2014, 50, 46-54.	0.9	2
12	Influence of the Lateral Process Zone Near the Tip of an Interface Crack on the Contact of its Faces. Journal of Mathematical Sciences, 2017, 222, 181-193.	0.4	2
13	Investigation of the prefracture zone at the tip of a mode I crack reaching a nonsmooth interface of an elastic media. Journal of Mathematical Sciences, 2010, 167, 128-139.	0.4	1
14	Investigation of the Initial Stage of Kinking of an Interface Crack at an Angular Point of the Interface of Two Media. Materials Science, 2012, 47, 627-635.	0.9	1
15	Investigation of the Influence of Plasticity of Materials on the Strength of a Composite Joint. Journal of Mathematical Sciences, 2014, 201, 83-98.	0.4	1
16	Model of Plastic Zone at the End of a Mode I Crack Appearing on the Nonsmooth Interface of Materials. Materials Science, 2015, 50, 516-526.	0.9	1
17	Investigation of the initial stage of fracture of a piece-homogeneous body with interface crack under compression along the interface. , 2020, 63, .		1