

# Evgeny Morozov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2152075/publications.pdf>

Version: 2024-02-01

23  
papers

487  
citations

933447

10  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of the energy J-integral for bodies with notches and cracks. International Journal of Fracture, 2004, 125, 249-261.	2.2	91
2	Two-parameter fracture criterion ( $K_{I,c} - T_{ef,c}$ ) based on notch fracture mechanics. International Journal of Fracture, 2011, 167, 173-182.	2.2	71
3	The effective T-stress estimation and crack paths emanating from U-notches. Engineering Fracture Mechanics, 2010, 77, 1682-1692.	4.3	51
4	Two-parameter J-A concept in connection with crack-tip constraint. Theoretical and Applied Fracture Mechanics, 2017, 92, 306-317.	4.7	34
5	The effect of crack-tip constraint in some problems of fracture mechanics. Engineering Failure Analysis, 2020, 110, 104413.	4.0	34
6	The effect of out-of-plane constraint in terms of the T-stress in connection with specimen thickness. Theoretical and Applied Fracture Mechanics, 2015, 80, 49-56.	4.7	30
7	Local fracture criterion to describe failure assessment diagrams for a body with a crack/notch. International Journal of Fracture, 2003, 124, 107-112.	2.2	28
8	Failure resistance of drilling rig casing pipes with an axial crack. Engineering Failure Analysis, 2015, 58, 429-440.	4.0	25
9	Finite element estimation of the plastic $\hat{\sigma}_{pl}$ factors for pipe-ring notched bend specimen using the load separation method. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1319-1329.	3.4	23
10	Fracture Toughness Measurement by Using Pipe-ring Specimens. , 2014, 3, 1934-1940.		14
11	Determination of fracture mechanics parameters by measurements of local displacements due to crack length increment. Fatigue and Fracture of Engineering Materials and Structures, 2014, 37, 1306-1318.	3.4	11
12	Fatigue surface crack propagation and intersecting cracks in connection with welding residual stresses. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2140-2152.	3.4	11
13	A computational tool for estimating stress fields along a surface crack front. Fatigue and Fracture of Engineering Materials and Structures, 2015, 38, 180-189.	3.4	10
14	Two basic approaches in a search of the crack propagation angle. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1191-1200.	3.4	10
15	Correlation of Pipe Ring Notched Bend (PRNB) specimen and Single Edge Notch Bend (SENB) specimen in determination of fracture toughness of pipe material. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1251-1259.	3.4	10
16	Separable functions in load separation for the $\hat{\sigma}_{pl}$ and $\hat{\sigma}_{plCMOD}$ plastic factors estimation. International Journal of Fracture, 2004, 129, 265-278.	2.2	8
17	Stress Intensity Factor and Limit Load Solutions for New Pipe-ring Specimen with Axial Cracks. , 2014, 3, 1941-1946.		7
18	T-stress estimation by the two-parameter approach for a specimen with a V-shaped notch. Journal of Applied Mechanics and Technical Physics, 2017, 58, 546-555.	0.5	6

#	ARTICLE	IF	CITATIONS
19	The cohesive zone model in a problem of delayed hydride cracking of zirconium alloys. International Journal of Fracture, 2004, 128, 73-79.	2.2	4
20	Strength and survivability analysis in engineering safety for structures damaged by cracks. International Journal of Pressure Vessels and Piping, 1999, 76, 441-444.	2.6	3
21	Residual stress/strain evolution due to low-cycle fatigue by removing local material volume and optical interferometric data. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2061-2078.	3.4	3
22	The determination of the stress intensity factor solutions for the new pipe-ring specimen using FEA. Archive of Applied Mechanics, 2019, 89, 897-909.	2.2	3
23	Guest editorial: Special issue NT2F16. Fatigue and Fracture of Engineering Materials and Structures, 2017, 40, 1181-1181.	3.4	0