

# Nikolay V Perepelkin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2456471/publications.pdf>

Version: 2024-02-01

10  
papers

93  
citations

1478505

6  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesive contact problems for a thin elastic layer: Asymptotic analysis and the JKR theory. <i>Mathematics and Mechanics of Solids</i> , 2019, 24, 1405-1424.	2.4	31
2	Non-linear normal forced vibration modes in systems with internal resonance. <i>International Journal of Non-Linear Mechanics</i> , 2013, 57, 102-115.	2.6	12
3	Estimation of the elastic modulus and the work of adhesion of soft materials using the extended Borodich-Galanov (BG) method and depth sensing indentation. <i>Mechanics of Materials</i> , 2019, 129, 198-213.	3.2	11
4	Depth-Sensing Indentation as a Micro- and Nanomechanical Approach to Characterisation of Mechanical Properties of Soft, Biological, and Biomimetic Materials. <i>Nanomaterials</i> , 2020, 10, 15.	4.1	11
5	Experimental testing of self-healing ability of soft polymer materials. <i>Meccanica</i> , 2019, 54, 1959-1970.	2.0	10
6	Explicit transformation between non-adhesive and adhesive contact problems by means of the classical Johnson-Kendall-Roberts formalism. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200374.	3.4	8
7	Evaluation of elastic and adhesive properties of solids by depth-sensing indentation. <i>Journal of Adhesion</i> , 2021, 97, 569-610.	3.0	6
8	Non-linear normal modes and their applications in mechanical systems. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2011, 225, 2369-2384.	2.1	4
9	Nonlinear normal vibration modes in the dynamics of nonlinear elastic systems. <i>Journal of Physics: Conference Series</i> , 2012, 382, 012052.	0.4	0
10	Non-iterative Rauscher method for 1-DOF system: a new approach to studying non-autonomous system via equivalent autonomous one. <i>Nonlinear Dynamics</i> , 2018, 93, 149-166.	5.2	0