

# Luka Pocivavsek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8451132/publications.pdf>

Version: 2024-02-01

14  
papers

739  
citations

1163117

8  
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1125743

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14  
docs citations

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times ranked

1125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress and Fold Localization in Thin Elastic Membranes. <i>Science</i> , 2008, 320, 912-916.	12.6	456
2	Lateral stress relaxation and collapse in lipid monolayers. <i>Soft Matter</i> , 2008, 4, 2019.	2.7	62
3	Topography-driven surface renewal. <i>Nature Physics</i> , 2018, 14, 948-953.	16.7	59
4	Glycerol-Induced Membrane Stiffening: The Role of Viscous Fluid Adlayers. <i>Biophysical Journal</i> , 2011, 101, 118-127.	0.5	35
5	Active wrinkles to drive self-cleaning: A strategy for anti-thrombotic surfaces for vascular grafts. <i>Biomaterials</i> , 2019, 192, 226-234.	11.4	35
6	Analysis of biosurfaces by neutron reflectometry: From simple to complex interfaces. <i>Biointerphases</i> , 2015, 10, 019014.	1.6	32
7	Geometric tools for complex interfaces: from lung surfactant to the mussel byssus. <i>Soft Matter</i> , 2009, 5, 1963.	2.7	25
8	Wrinkling instabilities for biologically relevant fiber-reinforced composite materials with a case study of Neo-Hookean/Ogden "Casser" Holzapfel bilayer. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 2375-2395.	2.8	10
9	Understanding dynamic changes in live cell adhesion with neutron reflectometry. <i>Modern Physics Letters B</i> , 2014, 28, 1430015.	1.9	7
10	Tuning endothelial monolayer adhesion: a neutron reflectivity study. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L1-L9.	2.9	7
11	Dynamic Luminal Topography: A Potential Strategy to Prevent Vascular Graft Thrombosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 573400.	4.1	6
12	Multiscale geometry and mechanics of lipid monolayer collapse. <i>Current Topics in Membranes</i> , 2021, 87, 1-45.	0.9	2
13	Contemporary Unplanned Readmission Trends Following Management of Type B Aortic Dissection. <i>Vascular Specialist International</i> , 0, 38, .	0.6	2
14	Gaussian Surface Curvature Mapping Indicating High Risk Type B Thoracic Aortic Dissections. <i>Annals of Vascular Surgery</i> , 2021, 70, 171-180.	0.9	1