

# Katarzyna BuÅ,at

## List of Publications by Year in descending order

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16  
papers

230  
citations

840776

11  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

349  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal relationship between systemic endothelial dysfunction and alterations in erythrocyte function in a murine model of chronic heart failure. <i>Cardiovascular Research</i> , 2022, 118, 2610-2624.	3.8	17
2	Trends in biomedical analysis of red blood cells – Raman spectroscopy against other spectroscopic, microscopic and classical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116481.	11.4	15
3	Sex-Specific Differences of Adenosine Triphosphate Levels in Red Blood Cells Isolated From ApoE/LDLR Double-Deficient Mice. <i>Frontiers in Physiology</i> , 2022, 13, 839323.	2.8	1
4	An Insight into the Stages of Ion Leakage during Red Blood Cell Storage. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2885.	4.1	6
5	Spectroscopic Signature of Red Blood Cells in a D-Galactose-Induced Accelerated Aging Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2660.	4.1	9
6	Sex-dependent membranopathy in stored human red blood cells. <i>Haematologica</i> , 2021, 106, 2779-2782.	3.5	9
7	Multimodal detection and analysis of a new type of advanced Heinz body-like aggregate (AHBA) and cytoskeleton deformation in human RBCs. <i>Analyst, The</i> , 2020, 145, 1749-1758.	3.5	6
8	Irreversible alterations in the hemoglobin structure affect oxygen binding in human packed red blood cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118803.	4.1	15
9	Age-related and atherosclerosis-related erythropathy in ApoE/LDLR <sup>-/-</sup> mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165972.	3.8	14
10	Temporal sequence of the human RBCs' vesiculation observed in nano-scale with application of AFM and complementary techniques. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102221.	3.3	11
11	FTIR, Raman and AFM characterization of the clinically valid biochemical parameters of the thrombi in acute ischemic stroke. <i>Scientific Reports</i> , 2019, 9, 15475.	3.3	27
12	An Analysis of Isolated and Intact RBC Membranes – A Comparison of a Semiquantitative Approach by Means of FTIR, Nano-FTIR, and Raman Spectroscopies. <i>Analytical Chemistry</i> , 2019, 91, 9867-9874.	6.5	34
13	Live endothelial cells imaged by Scanning Near-field Optical Microscopy (SNOM): capabilities and challenges. <i>Journal of Biophotonics</i> , 2017, 10, 928-938.	2.3	15
14	Vascular diseases investigated ex vivo by using Raman, FT-IR and complementary methods. <i>Pharmacological Reports</i> , 2015, 67, 744-750.	3.3	15
15	Structure and microstructure of glasses from a NaCaPO <sub>4</sub> -SiO <sub>2</sub> -BPO <sub>4</sub> system. <i>Vibrational Spectroscopy</i> , 2012, 61, 72-77.	2.2	24
16	Aluminium influence on the crystallization and bioactivity of silico-phosphate glasses from NaCaPO <sub>4</sub> -SiO <sub>2</sub> system. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 224-231.	3.1	12