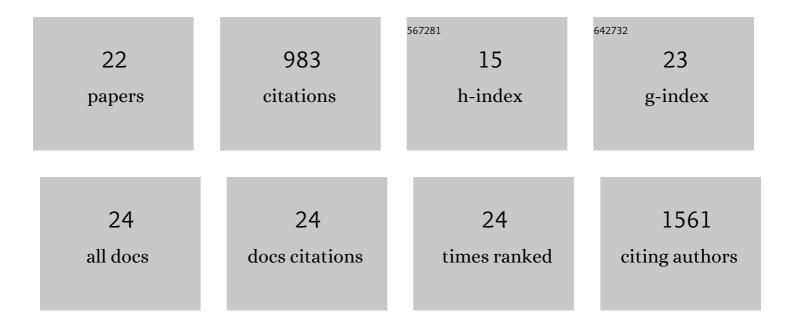
## **Balint Szabo**

List of Publications by Year in descending order

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RALINT SZARO

#	Article	IF	CITATIONS
1	A robotic multidimensional directed evolution approach applied to fluorescent voltage reporters. Nature Chemical Biology, 2018, 14, 352-360.	8.0	264
2	Microglia control the spread of neurotropic virus infection via P2Y12 signalling and recruit monocytes through P2Y12-independent mechanisms. Acta Neuropathologica, 2018, 136, 461-482.	7.7	108
3	Dependence of cancer cell adhesion kinetics on integrin ligand surface density measured by a high-throughput label-free resonant waveguide grating biosensor. Scientific Reports, 2014, 4, 4034.	3.3	95
4	CD11c/CD18 Dominates Adhesion of Human Monocytes, Macrophages and Dendritic Cells over CD11b/CD18. PLoS ONE, 2016, 11, e0163120.	2.5	72
5	Single-cell adhesion force kinetics of cell populations from combined label-free optical biosensor and robotic fluidic force microscopy. Scientific Reports, 2020, 10, 61.	3.3	61
6	Bulk and surface sensitivity of a resonant waveguide grating imager. Applied Physics Letters, 2014, 104, 083506.	3.3	47
7	Complement MASP-1 enhances adhesion between endothelial cells and neutrophils by up-regulating Eâ€selectin expression. Molecular Immunology, 2016, 75, 38-47.	2.2	35
8	Single Cell Adhesion Assay Using Computer Controlled Micropipette. PLoS ONE, 2014, 9, e111450.	2.5	30
9	Sample handling in surface sensitive chemical and biological sensing: A practical review of basic fluidics and analyte transport. Advances in Colloid and Interface Science, 2014, 211, 1-16.	14.7	29
10	Atomic force microscopy of height fluctuations of fibroblast cells. Physical Review E, 2002, 65, 041910.	2.1	26
11	High-Resolution Adhesion Kinetics of EGCG-Exposed Tumor Cells on Biomimetic Interfaces: Comparative Monitoring of Cell Viability Using Label-Free Biosensor and Classic End-Point Assays. ACS Omega, 2018, 3, 3882-3891.	3.5	23
12	Adhesion force measurements on functionalized microbeads: An in-depth comparison of computer controlled micropipette and fluidic force microscopy. Journal of Colloid and Interface Science, 2019, 555, 245-253.	9.4	23
13	The differential role of CR3 (CD11b/CD18) and CR4 (CD11c/CD18) in the adherence, migration and podosome formation of human macrophages and dendritic cells under inflammatory conditions. PLoS ONE, 2020, 15, e0232432.	2.5	21
14	Adhesion kinetics of human primary monocytes, dendritic cells, and macrophages: Dynamic cell adhesion measurements with a label-free optical biosensor and their comparison with end-point assays. Biointerphases, 2016, 11, 031001.	1.6	15
15	Subnanoliter precision piezo pipette for single-cell isolation and droplet printing. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	12
16	Inhibition of myosin II triggers morphological transition and increased nuclear motility. Cytoskeleton, 2011, 68, 325-339.	2.0	10
17	Single-cell adhesion strength and contact density drops in the M phase of cancer cells. Scientific Reports, 2021, 11, 18500.	3.3	9
18	Dissociation Constant of Integrin-RGD Binding in Live Cells from Automated Micropipette and Label-Free Optical Data. Biosensors, 2021, 11, 32.	4.7	6

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#	Article	IF	CITATIONS
19	Nanonewton scale adhesion force measurements on biotinylated microbeads with a robotic micropipette. Journal of Colloid and Interface Science, 2021, 602, 291-299.	9.4	5
20	Characterization of the Dissolution of Water Microdroplets in Oil. Colloids and Interfaces, 2022, 6, 14.	2.1	5
21	Label-free tracking of whole-cell response on RGD functionalized surfaces to varied flow velocities generated by fluidic rotation. Journal of Colloid and Interface Science, 2021, 599, 620-630.	9.4	4
22	Prospects of fluidic force microscopy and related biosensors for medical applications. , 2022, , 1-28.		0