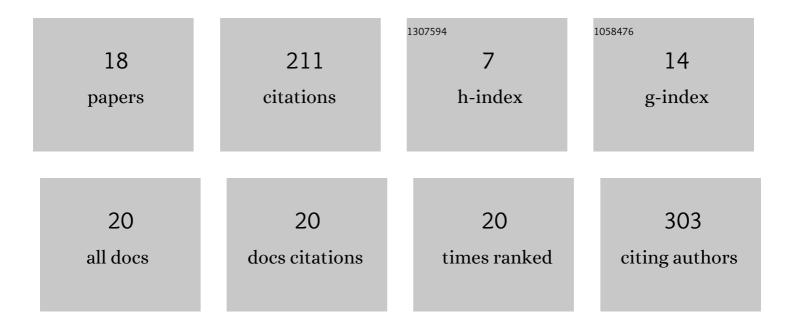
Karol Makuch

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Droplet-based digital antibiotic susceptibility screen reveals single-cell clonal heteroresistance in an isogenic bacterial population. Scientific Reports, 2020, 10, 3282.	3.3	54
2	Gravity-driven microfluidic assay for digital enumeration of bacteria and for antibiotic susceptibility testing. Lab on A Chip, 2020, 20, 54-63.	6.0	35
3	Diffusion and flow in complex liquids. Soft Matter, 2020, 16, 114-124.	2.7	20
4	Passive and parallel microfluidic formation of droplet interface bilayers (DIBs) for measurement of leakage of small molecules through artificial phospholipid membranes. Sensors and Actuators B: Chemical, 2019, 286, 258-265.	7.8	19
5	Grooved step emulsification systems optimize the throughput of passive generation of monodisperse emulsions. Lab on A Chip, 2019, 19, 1183-1192.	6.0	17
6	High-Throughput Monitoring of Bacterial Cell Density in Nanoliter Droplets: Label-Free Detection of Unmodified Gram-Positive and Gram-Negative Bacteria. Analytical Chemistry, 2021, 93, 843-850.	6.5	15
7	Transport properties of suspensions–critical assessment of Beenakker-Mazur method. Journal of Chemical Physics, 2012, 137, 184902.	3.0	11
8	Split or slip – passive generation of monodisperse double emulsions with cores of varying viscosity in microfluidic tandem step emulsification system. RSC Advances, 2020, 10, 23058-23065.	3.6	9
9	Rotational self-diffusion in suspensions of charged particles: simulations and revised Beenakker–Mazur and pairwise additivity methods. Soft Matter, 2015, 11, 5313-5326.	2.7	6
10	Continuous nonequilibrium transition driven by heat flow. Physical Review E, 2021, 104, 024102.	2.1	5
11	Scattering series in the mobility problem for suspensions. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P11016.	2.3	3
12	Thermodynamic properties of correlated fermions in lattices with spin-dependent disorder. New Journal of Physics, 2013, 15, 045031.	2.9	3
13	Non-wetting droplets in capillaries of circular cross-section: Scaling function. Physics of Fluids, 2019, 31, 043102.	4.0	3
14	Real-space dynamical mean-field theory of Friedel oscillations in strongly correlated electron systems. Physical Review B, 2019, 100, .	3.2	3
15	Transient dynamics in the outflow of energy from a system in a nonequilibrium stationary state. Physical Review E, 2022, 105, .	2.1	3
16	Generalization of Clausius-Mossotti approximation in application to short-time transport properties of suspensions. Physical Review E, 2015, 92, 042317.	2.1	1
17	Multipole Matrix of Green Function of Laplace Equation. Acta Physica Polonica B, 2015, 46, 1487.	0.8	1
18	Internal energy in compressible Poiseuille flow. Physical Review E, 2021, 104, 055107.	2.1	1