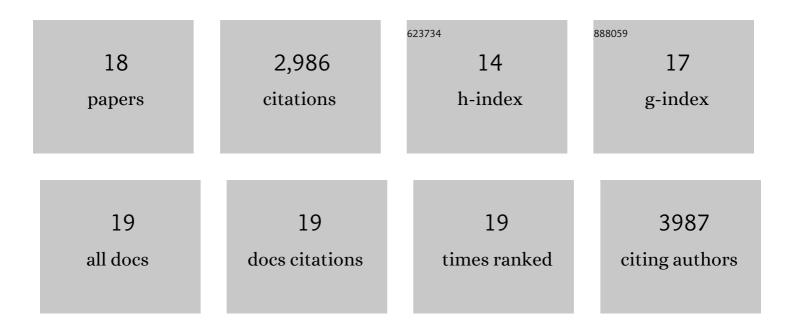
Christoph Gerber

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Rapid and Ultrasensitive Detection of Mutations and Genes Relevant to Antimicrobial Resistance in Bacteria. Global Challenges, 2021, 5, 2000066.	3.6	4
2	Scanning probe microscopy. Nature Reviews Methods Primers, 2021, 1, .	21.2	103
3	Atomic force microscopy-based mechanobiology. Nature Reviews Physics, 2019, 1, 41-57.	26.6	500
4	Imaging modes of atomic force microscopy for application in molecular and cell biology. Nature Nanotechnology, 2017, 12, 295-307.	31.5	699
5	Atomic force microscopy-based characterization and design of biointerfaces. Nature Reviews Materials, 2017, 2, .	48.7	145
6	Inertial picobalance reveals fast mass fluctuations in mammalian cells. Nature, 2017, 550, 500-505.	27.8	100
7	Piezoresistive Membrane Surface Stress Sensors for Characterization of Breath Samples of Head and Neck Cancer Patients. Sensors, 2016, 16, 1149.	3.8	22
8	Fast Diagnostics of BRAF Mutations in Biopsies from Malignant Melanoma. Nano Letters, 2016, 16, 5373-5377.	9.1	11
9	Nanosensors for cancer detection. Swiss Medical Weekly, 2015, 145, w14092.	1.6	15
10	Mechanical control of mitotic progression in single animal cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11258-11263.	7.1	76
11	Optimization of DNA Hybridization Efficiency by pH-Driven Nanomechanical Bending. Langmuir, 2012, 28, 6494-6501.	3.5	58
12	Quantitative time-resolved measurement of membrane protein–ligand interactions using microcantilever array sensors. Nature Nanotechnology, 2009, 4, 179-185.	31.5	214
13	Microcantilever Sensors. Topics in Current Chemistry, 2008, 285, 1-27.	4.0	27
14	Resonating modes of vibrating microcantilevers in liquid. Applied Physics Letters, 2008, 92, .	3.3	93
15	Conformational Change of Bacteriorhodopsin Quantitatively Monitored by Microcantilever Sensors. Biophysical Journal, 2006, 90, 2970-2977.	0.5	67
16	How the doors to the nanoworld were opened. Nature Nanotechnology, 2006, 1, 3-5.	31.5	265
17	Multiple label-free biodetection and quantitative DNA-binding assays on a nanomechanical cantilever array. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9783-9788.	7.1	582

18 Cantilever Array Sensors for Bioanalysis and Diagnostics. , 0, , 175-195.