

# Johan Zakrisson

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

241  
citations

1040056

9  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

211  
citing authors

#	ARTICLE	IF	CITATIONS
1	An optical pascal in Sweden. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 033002.	2.2	5
2	Thermodynamic effects in a gas modulated Invar-based dual Fabry-Perot cavity refractometer. <i>Metrologia</i> , 2022, 59, 035003.	1.2	11
3	In situ determination of the penetration depth of mirrors in Fabry-Perot refractometers and its influence on assessment of refractivity and pressure. <i>Optics Express</i> , 2022, 30, 25891.	3.4	2
4	Assessment of gas molar density by gas modulation refractometry: A review of its basic operating principles and extraordinary performance. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 106121.	2.9	4
5	Ability of gas modulation to reduce the pickup of drifts in refractometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2419.	2.1	8
6	Optical realization of the pascal-Characterization of two gas modulated refractometers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, .	1.2	16
7	The Short-Term Performances of Two Independent Gas Modulated Refractometers for Pressure Assessments. <i>Sensors</i> , 2021, 21, 6272.	3.8	6
8	Fabry-Perot-cavity-based refractometry without influence of mirror penetration depth. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, .	1.2	1
9	Procedure for robust assessment of cavity deformation in Fabry-Perot based refractometers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	1.2	15
10	Ability of gas modulation to reduce the pickup of fluctuations in refractometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, 1956.	2.1	8
11	Invar-based refractometer for pressure assessments. <i>Optics Letters</i> , 2020, 45, 2652.	3.3	20
12	An invar-based fabry-perot cavity refractometer with a gallium fixed-point cell for assessment of pressure. <i>Acta IMEKO (2012)</i> , 2020, 9, 293.	0.7	8
13	Recent advances in Fabry-Perot-based refractometry utilizing gas modulation for assessment of pressure. <i>Acta IMEKO (2012)</i> , 2020, 9, 299.	0.7	7
14	Realizing Large-Area Arrays of Semiconducting Fullerene Nanostructures with Direct Laser Interference Patterning. <i>Nano Letters</i> , 2018, 18, 540-545.	9.1	7
15	Detecting Bacterial Surface Organelles on Single Cells Using Optical Tweezers. <i>Langmuir</i> , 2016, 32, 4521-4529.	3.5	17
16	Tethered cells in fluid flows- beyond the Stokes- drag force approach. <i>Physical Biology</i> , 2015, 12, 056006.	1.8	7
17	Biomechanical and Structural Features of CS2 Fimbriae of Enterotoxigenic Escherichia coli. <i>Biophysical Journal</i> , 2015, 109, 49-56.	0.5	20
18	Rigid multibody simulation of a helix-like structure: the dynamics of bacterial adhesion pili. <i>European Biophysics Journal</i> , 2015, 44, 291-300.	2.2	10

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19	The Shaft of the Type 1 Fimbriae Regulates an External Force to Match the FimH Catch Bond. <i>Biophysical Journal</i> , 2013, 104, 2137-2148.	0.5	38
20	Helix-like biopolymers can act as dampers of force for bacteria in flows. <i>European Biophysics Journal</i> , 2012, 41, 551-560.	2.2	31