

# Jose Jaime Ruz Martinez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9385923/publications.pdf>

Version: 2024-02-01

10  
papers

483  
citations

1163065

8  
h-index

1372553

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

924  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Theory and Modelling of Nanomechanical Sensors for Biological Applications. Processes, 2021, 9, 164.	2.8	18
2	Effect of particle adsorption on the eigenfrequencies of nano-mechanical resonators. Journal of Applied Physics, 2020, 128, .	2.5	7
3	Effect of surface stress induced curvature on the eigenfrequencies of microcantilever plates. AIP Advances, 2018, 8, .	1.3	14
4	Optimization of the readout of microdrum optomechanical resonators. Microelectronic Engineering, 2017, 183-184, 37-41.	2.4	5
5	Mass and stiffness spectrometry of nanoparticles and whole intact bacteria by multimode nanomechanical resonators. Nature Communications, 2016, 7, 13452.	12.8	91
6	How two-dimensional bending can extraordinarily stiffen thin sheets. Scientific Reports, 2016, 6, 29627.	3.3	50
7	Spatially multiplexed dark-field microspectrophotometry for nanoplasmonics. Scientific Reports, 2016, 6, 22836.	3.3	22
8	Detection of cancer biomarkers in serum using a hybrid mechanical and optoplasmonic nanosensor. Nature Nanotechnology, 2014, 9, 1047-1053.	31.5	221
9	Physics of Nanomechanical Spectrometry of Viruses. Scientific Reports, 2014, 4, 6051.	3.3	36
10	Tapered silicon nanowires for enhanced nanomechanical sensing. Applied Physics Letters, 2013, 103, .	3.3	19