

# 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

1163117

8  
h-index

1372567

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        |