

# Angel Perez-Cruz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/153178/publications.pdf>

Version: 2024-02-01

8  
papers

59  
citations

2258059

3  
h-index

1872680

6  
g-index

9  
all docs

9  
docs citations

9  
times ranked

96  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional model of imbibition into paper-based networks using Richards's equation. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	33
2	Optimization of Q-factor of AFM cantilevers using genetic algorithms. <i>Ultramicroscopy</i> , 2012, 115, 61-67.	1.9	12
3	Nonlinear imbibition influence on the hygro-mechanical bending response of paper due to its interaction with water. <i>International Journal of Non-Linear Mechanics</i> , 2017, 97, 89-95.	2.6	5
4	Extraction of nonlinear elastic parameters of paper from the amplitude-dependent frequency response of cantilever beams. <i>International Journal of Non-Linear Mechanics</i> , 2019, 111, 42-48.	2.6	3
5	Lorentz force actuation of paper-based electromechanical systems. , 2017, , .		2
6	A Novel Physical Sensing Principle for Liquid Characterization Using Paper-Based Hygro-Mechanical Systems (PB-HMS). <i>Sensors</i> , 2017, 17, 1667.	3.8	2
7	A parametric study on the nonlinear dynamic response of paper-based mechanical systems due to liquid transport. <i>International Journal of Non-Linear Mechanics</i> , 2020, 118, 103280.	2.6	2
8	Tuning the hygro-mechanical response of paper-based systems using glycerol. <i>Journal of Intelligent Material Systems and Structures</i> , 2021, 32, 1116-1127.	2.5	0