

# Angel Perez-Cruz

## List of Publications by Year in descending order

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

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