

# Esteban Meca

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16  
papers

346  
citations

9  
h-index

16  
g-index

16  
ext. papers

418  
ext. citations

4.5  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
16	Epitaxial graphene growth and shape dynamics on copper: phase-field modeling and experiments. <i>Nano Letters</i> , <b>2013</b> , 13, 5692-7	11.5	120
15	Genome size variation in wild and cultivated maize along altitudinal gradients. <i>New Phytologist</i> , <b>2013</b> , 199, 264-276	9.8	75
14	Three groups of transposable elements with contrasting copy number dynamics and host responses in the maize ( <i>Zea mays ssp. mays</i> ) genome. <i>PLoS Genetics</i> , <b>2014</b> , 10, e1004298	6	32
13	Phase-field modeling of two-dimensional crystal growth with anisotropic diffusion. <i>Physical Review E</i> , <b>2013</b> , 88, 052409	2.4	24
12	Modeling Interactions between Transposable Elements and the Plant Epigenetic Response: A Surprising Reliance on Element Retention. <i>Genome Biology and Evolution</i> , <b>2018</b> , 10, 803-815	3.9	20
11	Assessment of the final metrological characteristics of a MOEMS-based NDIR spectrometer through system modeling and data processing. <i>IEEE Sensors Journal</i> , <b>2003</b> , 3, 587-594	4	15
10	Phase-Field Study of the Cellular Bifurcation in Dilute Binary Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2007</b> , 38, 1407-1416	2.3	14
9	Blue sky catastrophe in double-diffusive convection. <i>Physical Review Letters</i> , <b>2004</b> , 92, 234501	7.4	13
8	Complex dynamics in double-diffusive convection. <i>Theoretical and Computational Fluid Dynamics</i> , <b>2004</b> , 18, 231-238	2.3	12
7	H <sub>2</sub> -dependent attachment kinetics and shape evolution in chemical vapor deposition graphene growth. <i>2D Materials</i> , <b>2017</b> , 4, 031010	5.9	6
6	Thin-film electrodes for high-capacity lithium-ion batteries: influence of phase transformations on stress. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2016</b> , 472, 20160093	2.4	6
5	Sharp-interface formation during lithium intercalation into silicon. <i>European Journal of Applied Mathematics</i> , <b>2018</b> , 29, 118-145	1	3
4	Localized instabilities and spinodal decomposition in driven systems in the presence of elasticity. <i>Physical Review E</i> , <b>2018</b> , 97, 012801	2.4	2
3	Transient convective instabilities in directional solidification. <i>Physics of Fluids</i> , <b>2010</b> , 22, 114110	4.4	2
2	Transitions between symmetric and nonsymmetric regimes in binary-mixture convection. <i>Physica D: Nonlinear Phenomena</i> , <b>2015</b> , 303, 39-49	3.3	1
1	Assessment of the final metrological characteristics of a MOEMS based NDIR spectrometer through system modelling and data processing		1