

# Esteban Meca

## List of Publications by Year in descending order

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16  
papers

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citations

1039406

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all docs

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docs citations

16  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial Graphene Growth and Shape Dynamics on Copper: Phase-Field Modeling and Experiments. Nano Letters, 2013, 13, 5692-5697.	4.5	142
2	Genome size variation in wild and cultivated maize along altitudinal gradients. New Phytologist, 2013, 199, 264-276.	3.5	107
3	Three Groups of Transposable Elements with Contrasting Copy Number Dynamics and Host Responses in the Maize ( <i>Zea mays</i> ssp. <i>mays</i> ) Genome. PLoS Genetics, 2014, 10, e1004298.	1.5	52
4	Modeling Interactions between Transposable Elements and the Plant Epigenetic Response: A Surprising Reliance on Element Retention. Genome Biology and Evolution, 2018, 10, 803-815.	1.1	35
5	Phase-field modeling of two-dimensional crystal growth with anisotropic diffusion. Physical Review E, 2013, 88, 052409.	0.8	27
6	Assessment of the final metrological characteristics of a MOEMS-based NDIR spectrometer through system modeling and data processing. IEEE Sensors Journal, 2003, 3, 587-594.	2.4	18
7	Phase-Field Study of the Cellular Bifurcation in Dilute Binary Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 1407-1416.	1.1	17
8	Blue Sky Catastrophe in Double-Diffusive Convection. Physical Review Letters, 2004, 92, 234501.	2.9	13
9	Complex dynamics in double-diffusive convection. Theoretical and Computational Fluid Dynamics, 2004, 18, 231-238.	0.9	12
10	Thin-film electrodes for high-capacity lithium-ion batteries: influence of phase transformations on stress. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160093.	1.0	7
11	H <sup>2</sup> -dependent attachment kinetics and shape evolution in chemical vapor deposition graphene growth. 2D Materials, 2017, 4, 031010.	2.0	6
12	Sharp-interface formation during lithium intercalation into silicon. European Journal of Applied Mathematics, 2018, 29, 118-145.	1.4	5
13	Assessment of the final metrological characteristics of a MOEMS based NDIR spectrometer through system modelling and data processing. , 0, , .		2
14	Transient convective instabilities in directional solidification. Physics of Fluids, 2010, 22, 114110.	1.6	2
15	Localized instabilities and spinodal decomposition in driven systems in the presence of elasticity. Physical Review E, 2018, 97, 012801.	0.8	2
16	Transitions between symmetric and nonsymmetric regimes in binary-mixture convection. Physica D: Nonlinear Phenomena, 2015, 303, 39-49.	1.3	1