

Esteban Meca

List of Publications by Year in Descending Order

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