

Javier Munoz-Garcia

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6029934/javier-munoz-garcia-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

35
papers

989
citations

18
h-index

31
g-index

38
ext. papers

1,102
ext. citations

4.5
avg, IF

4.12
L-index

#	Paper	IF	Citations
35	Order improvement of surface nanopatterns via substrate rocking under ion bombardment: Experiments and nonlinear models. <i>Physical Review B</i> , 2020 , 102,	3.3	4
34	Stress-driven nonlinear dynamics of ion-induced surface nanopatterns. <i>Physical Review B</i> , 2019 , 100,	3.3	14
33	Nonuniversality of front fluctuations for compact colonies of nonmotile bacteria. <i>Physical Review E</i> , 2018 , 98, 012407	2.4	6
32	Concurrent segregation and erosion effects in medium-energy iron beam patterning of silicon surfaces. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 274001	1.8	5
31	Special issue on surfaces patterned by ion sputtering. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 450301	1.8	1
30	Symmetry of surface nanopatterns induced by ion-beam sputtering: Role of anisotropic surface diffusion. <i>Physical Review B</i> , 2016 , 93,	3.3	8
29	Ion-beam nanopatterning of silicon surfaces under codeposition of non-silicide-forming impurities. <i>Physical Review B</i> , 2016 , 93,	3.3	12
28	Transcript degradation and noise of small RNA-controlled genes in a switch activated network in <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2016 , 44, 6707-20	20.1	15
27	Formation and maintenance of nitrogen-fixing cell patterns in filamentous cyanobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6218-23	11.5	31
26	Stress vs sputtering effects in the propagation of surface ripples produced by ion-beam sputtering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 13-16	1.2	6
25	Nonuniversality due to inhomogeneous stress in semiconductor surface nanopatterning by low-energy ion-beam irradiation. <i>Physical Review B</i> , 2015 , 91,	3.3	36
24	Ion damage overrides structural disorder in silicon surface nanopatterning by low-energy ion beam sputtering. <i>Europhysics Letters</i> , 2015 , 109, 48003	1.6	11
23	Self-organized nanopatterning of silicon surfaces by ion beam sputtering. <i>Materials Science and Engineering Reports</i> , 2014 , 86, 1-44	30.9	112
22	Role of nonlinearities and initial prepatterned surfaces in nanobead formation by ion-beam bombardment of Au(001): Experiments and theory. <i>Physical Review B</i> , 2013 , 87,	3.3	18
21	Stress-induced solid flow drives surface nanopatterning of silicon by ion-beam irradiation. <i>Physical Review B</i> , 2012 , 86,	3.3	83
20	Independence of interrupted coarsening on initial system order: ion-beam nanopatterning of amorphous versus crystalline silicon targets. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 375302	1.8	20
19	Integrating multiple signals into cell decisions by networks of protein modification cycles. <i>Biophysical Journal</i> , 2011 , 101, 1590-6	2.9	

18	Nanoscale pattern formation at surfaces under ion-beam sputtering: A perspective from continuum models. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 894-900	1.2	47
17	Switches, excitable responses and oscillations in the Ring1B/Bmi1 ubiquitination system. <i>PLoS Computational Biology</i> , 2011 , 7, e1002317	5	28
16	Nutrient exposure of chemotactic organisms in small-scale turbulent flows. <i>New Journal of Physics</i> , 2010 , 12, 103043	2.9	5
15	Formation of intracellular concentration landscapes by multisite protein modification. <i>Biophysical Journal</i> , 2010 , 99, 59-66	2.9	14
14	Signalling over a distance: gradient patterns and phosphorylation waves within single cells. <i>Biochemical Society Transactions</i> , 2010 , 38, 1235-41	5.1	21
13	Observation and modeling of interrupted pattern coarsening: surface nanostructuring by ion erosion. <i>Physical Review Letters</i> , 2010 , 104, 026101	7.4	51
12	Aggregation of chemotactic organisms in a differential flow. <i>Physical Review E</i> , 2009 , 80, 061902	2.4	2
11	Coupling of morphology to surface transport in ion-beam-irradiated surfaces: normal incidence and rotating targets. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 224020	1.8	28
10	Positional information generated by spatially distributed signaling cascades. <i>PLoS Computational Biology</i> , 2009 , 5, e1000330	5	31
9	Self-Organized Surface Nanopatterning by Ion Beam Sputtering 2009 , 323-398		32
8	Coupling of morphology to surface transport in ion-beam irradiated surfaces: Oblique incidence. <i>Physical Review B</i> , 2008 , 78,	3.3	66
7	Generic equations for pattern formation in evolving interfaces. <i>New Journal of Physics</i> , 2007 , 9, 102-102	2.9	15
6	Universal non-equilibrium phenomena at submicrometric surfaces and interfaces. <i>European Physical Journal: Special Topics</i> , 2007 , 146, 427-441	2.3	25
5	Interplay between Morphology and Surface Transport in Nanopatterns Produced by Ion-Beam Sputtering. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1059, 1		1
4	Short-range stationary patterns and long-range disorder in an evolution equation for one-dimensional interfaces. <i>Physical Review E</i> , 2006 , 74, 050103	2.4	26
3	Nonlinear ripple dynamics on amorphous surfaces patterned by ion beam sputtering. <i>Physical Review Letters</i> , 2006 , 96, 086101	7.4	125
2	Order enhancement and coarsening of self-organized silicon nanodot patterns induced by ion-beam sputtering. <i>Applied Physics Letters</i> , 2006 , 89, 233101	3.4	49
1	Influence of collision cascade statistics on pattern formation of ion-sputtered surfaces. <i>Physical Review B</i> , 2005 , 71,	3.3	40

