Bruno Escribano

List of Publications by Year
in descending order

16 papers	595 citations	759233 12 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	635 citing authors

#	Article	IF	Citations
1	Chemical Gardens Under Mars Conditions: Imaging Chemical Garden Growth In Situ in an Environmental Scanning Electron Microscope. Geophysical Research Letters, 2021, 48, e2021GL092883.	4.0	8
2	The beeTetragonulabuilds its comb like a crystal. Journal of the Royal Society Interface, 2020, 17, 20200187.	3.4	8
3	Revealing the Mechanism of Sodium Diffusion in Na_xFePO₄ Using an Improved Force Field. Journal of Physical Chemistry C, 2018, 122, 8065-8075.	3.1	12
4	Enhancing sampling in atomistic simulations of solid-state materials for batteries: a focus on olivine $$hbox {NaFePO}_4$$ NaFePO 4. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	10
5	Assessment of van der Waals inclusive density functional theory methods for layered electroactive materials. Physical Chemistry Chemical Physics, 2017, 19, 10133-10139.	2.8	43
6	From Chemical Gardens to Chemobrionics. Chemical Reviews, 2015, 115, 8652-8703.	47.7	216
7	Multiple-time-stepping generalized hybrid Monte Carlo methods. Journal of Computational Physics, 2015, 280, 1-20.	3.8	13
8	Constant pressure hybrid Monte Carlo simulations in GROMACS. Journal of Molecular Modeling, 2014, 20, 2487.	1.8	15
9	Brinicles as a Case of Inverse Chemical Gardens. Langmuir, 2013, 29, 7655-7660.	3.5	33
10	Combining stochastic and deterministic approaches within high efficiency molecular simulations. Open Mathematics, 2013, 11, .	1.0	7
11	Crystal growth as an excitable medium. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 2866-2876.	3.4	13
12	Chemical-Garden Formation, Morphology, and Composition. II. Chemical Gardens in Microgravity. Langmuir, 2011, 27, 3294-3300.	3.5	31
13	Chemical gardens from silicates and cations of group 2: a comparative study of composition, morphology and microstructure. Physical Chemistry Chemical Physics, 2011, 13, 1030-1036.	2.8	42
14	Chemical-Garden Formation, Morphology, and Composition. I. Effect of the Nature of the Cations. Langmuir, 2011, 27, 3286-3293.	3.5	62
15	Spiral and target patterns in bivalve nacre manifest a natural excitable medium from layer growth of a biological liquid crystal. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10499-10504.	7.1	63
16	The Mesoscale Morphologies of Ice Films: Porous and Biomorphic Forms of Ice under Astrophysical Conditions. Astrophysical Journal, 2008, 687, 1406-1414.	4.5	19