Vasilii F Fefelov

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2668331/publications.pdf

Version: 2024-02-01

11 papers	98 citations	1307594 7 h-index	1372567 10 g-index
13 all docs	13 docs citations	13 times ranked	46 citing authors

#	Article	IF	Citations
1	The simplest self-assembled monolayer model with different orientations of complex organic molecules. Monte Carlo and transfer-matrix techniques. Chemical Engineering Journal, 2009, 154, 107-114.	12.7	17
2	Adsorption of triangular-shaped molecules with directional nearest-neighbor interactions on a triangular lattice. Adsorption, 2013, 19, 571-580.	3.0	15
3	Monte Carlo study of adsorption of additive gas mixture. Adsorption, 2016, 22, 673-680.	3.0	12
4	Phase diversity in an adsorption model of an additive binary gas mixture for all sets of lateral interactions. Physical Chemistry Chemical Physics, 2018, 20, 10359-10368.	2.8	11
5	SuSMoST: Surface Science Modeling and Simulation Toolkit. Journal of Computational Chemistry, 2020, 41, 2084-2097.	3.3	11
6	Devilâ€™s staircase behavior of a dimer adsorption model. Adsorption, 2013, 19, 495-499.	3.0	9
7	Model of homonuclear dimer adsorption in terms of two possible molecule orientations with respect to surface: Square lattice. Physical Review E, 2010, 82, 041602.	2.1	7
8	Complete analysis of phase diversity of the simplest adsorption model of a binary gas mixture for all sets of undirected interactions between nearest neighbors. Adsorption, 2019, 25, 545-554.	3.0	6
9	Effect of nonmonotonic changing of surface coverage in multisite adsorption models with possibility of different orientations of molecules with respect to solid surface. Protection of Metals and Physical Chemistry of Surfaces, 2013, 49, 379-385.	1.1	5
10	Remnants of the devil's staircase of phase transitions in the model of dimer adsorption at nonzero temperature. Physical Review B, 2018, 97, .	3.2	5
11	Complex investigation of influence of lateral interaction energies, activation energy and temperature on surface chemical reactions. AIP Conference Proceedings, 2017, , .	0.4	0