

# Silvina M Gatica

## List of Publications by Year in descending order

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36  
papers

844  
citations

687363

13  
h-index

477307

29  
g-index

37  
all docs

37  
docs citations

37  
times ranked

588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Uptake of gases in bundles of carbon nanotubes. <i>Physical Review B</i> , 2000, 62, 2173-2180.	3.2	243
2	Condensed phases of gases inside nanotube bundles. <i>Reviews of Modern Physics</i> , 2001, 73, 857-865.	45.6	194
3	Phases of neon, xenon, and methane adsorbed on nanotube bundles. <i>Journal of Chemical Physics</i> , 2001, 115, 9975-9981.	3.0	81
4	Designing van der Waals Forces between Nanocolloids. <i>Nano Letters</i> , 2005, 5, 169-173.	9.1	40
5	To Wet or Not to Wet: That Is the Question. <i>Journal of Low Temperature Physics</i> , 2009, 157, 111-136.	1.4	35
6	Capillary condensation in cylindrical nanopores. <i>Physical Review E</i> , 2005, 72, 041602.	2.1	22
7	Statistical mechanics of interacting peapods. <i>Physical Review B</i> , 2003, 67, .	3.2	20
8	Capillary condensation transitions in a slab geometry. <i>Physical Review E</i> , 1999, 59, 4484-4489.	2.1	19
9	Effects of Substrate Relaxation on Adsorption in Pores. <i>Journal of Low Temperature Physics</i> , 2009, 156, 1-8.	1.4	18
10	Monolayer adsorption of noble gases on graphene. <i>Chemical Physics</i> , 2018, 501, 46-52.	1.9	18
11	Phase Behavior of Ar and Kr Films on Carbon Nanotubes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7249-7257.	2.5	16
12	A corresponding states principle for physisorption and deviations for quantum fluids. <i>Molecular Physics</i> , 2008, 106, 1579-1585.	1.7	14
13	Three-body interactions involving clusters and films. <i>Physical Review B</i> , 2003, 68, .	3.2	13
14	Dimensional-Crossover of <sup>3</sup> He Gas Formed in One-Dimensional Nanometer Tunnel. <i>Journal of Low Temperature Physics</i> , 2005, 138, 211-216.	1.4	11
15	Thermodynamic properties and correlation functions of Ar films on the surface of a bundle of nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	10
16	Adsorbed Gases in Bundles of Carbon Nanotubes. , 2008, , 187-210.		10
17	Adsorption and Gas Separation of Molecules by Carbon Nanohorns. <i>Molecules</i> , 2016, 21, 662.	3.8	10
18	Simulations of Adsorption of CO <sub>2</sub> and CH <sub>4</sub> in MOFs: Effect of the Size and Charge Distribution on the Selectivity. <i>Journal of Low Temperature Physics</i> , 2013, 172, 274-288.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Structure and stability of superfluid $^4\text{He}$ systems with cylindrical symmetry. Physical Review B, 2001, 64, .	3.2	8
20	Ordering transition of gases adsorbed on a $\text{C}_{60}$ surface: Monte Carlo simulations and lattice-gas models. Physical Review B, 2008, 78, .	3.2	8
21	Condensation of Fluids Confined in Non-rigid Nanopores: With a Little Help from the Substrate. Journal of Low Temperature Physics, 2009, 157, 382-394.	1.4	8
22	Interaction Thresholds for Adsorption of Quantum Gases on Surfaces and within Pores of Various Shapes. Journal of Physical Chemistry A, 2007, 111, 12439-12446.	2.5	6
23	Contribution of Chirality to the Adsorption of a Kr Atom on a Single Wall Carbon Nanotube. Journal of Low Temperature Physics, 2014, 175, 590-603.	1.4	6
24	Commensurate Phases of Kr Adsorbed on Single-Walled Carbon Nanotubes. Journal of Low Temperature Physics, 2016, 185, 129-137.	1.4	4
25	From one to infinity: effective dimensionalities of fluids in nanoporous materials. Journal of Low Temperature Physics, 2005, 138, 201-210.	1.4	3
26	Vibrational modes of $^4\text{He}$ and $^3\text{He}$ on carbon nanotubes. Physical Review B, 2007, 76, .	3.2	3
27	QUASI-ONE DIMENSIONAL FLUIDS THAT EXHIBIT HIGHER DIMENSIONAL BEHAVIOR. International Journal of Modern Physics B, 2010, 24, 5051-5059.	2.0	3
28	New Physics of Gases Adsorbed on or Near Fullerenes. Journal of Low Temperature Physics, 2011, 162, 573-582.	1.4	3
29	Gas Adsorption in Novel Environments, Including Effects of Pore Relaxation. Journal of Low Temperature Physics, 2012, 166, 231-241.	1.4	3
30	Selective adsorption of carbon dioxide from mixed vapors by blockage of methane in graphene nanoribbons. SN Applied Sciences, 2020, 2, 1.	2.9	3
31	Solid Phase of Krypton on the Exterior of Individual Single-Walled Carbon Nanotubes. Journal of Low Temperature Physics, 2010, 161, 367-374.	1.4	2
32	Intriguing Examples of Inhomogeneous Broadening. Israel Journal of Chemistry, 2004, 44, 229-234.	2.3	1
33	Adsorption Near Fullerenes: Novel Effects of Weak Interactions. , 2009, , .		0
34	Gas Adsorption in Novel Environments, Including Effects of Pore Relaxation. Journal of Physics: Conference Series, 2012, 400, 012005.	0.4	0
35	REU in Physics at Howard University. Materials Research Society Symposia Proceedings, 2015, 1762, 15.	0.1	0
36	QUASI-ONE DIMENSIONAL FLUIDS THAT EXHIBIT HIGHER DIMENSIONAL BEHAVIOR. , 2011, , .		0