

# Fatemeh Sabzi

## List of Publications by Year in descending order

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26  
papers

270  
citations

933447

10  
h-index

940533

16  
g-index

27  
all docs

27  
docs citations

27  
times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of CO <sub>2</sub> and H <sub>2</sub> solubility, diffusion, and permeability in MFI zeolite by molecular dynamics simulation. <i>Structural Chemistry</i> , 2021, 32, 1641-1650.	2.0	4
2	Thermodynamic modeling of hydrogen solubility in a series of ionic liquids. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18296-18305.	7.1	13
3	Gas Transport Through Polymer Blends. , 2018, , 517-532.		3
4	Gas Transport Through Interpenetrating Polymer Networks. , 2018, , 533-546.		0
5	Theoretical Aspects of Gas Transport in Polymers. , 2018, , 425-439.		1
6	Prediction of CO <sub>2</sub> sorption in poly(ionic liquid)s using ANN-GC and ANFIS-GC models. <i>International Journal of Greenhouse Gas Control</i> , 2017, 63, 95-106.	4.6	11
7	Thermodynamic modeling of CO <sub>2</sub> absorption in 1-butyl-3-methylimidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2016, 223, 235-242.	4.9	13
8	Prediction of CO <sub>2</sub> solubility in ionic liquids with [HMIM] and [OMIM] cations by equation of state. <i>Journal of Molecular Liquids</i> , 2016, 216, 87-93.	4.9	13
9	Methane Adsorption in a Series of IRMOFs Studied by PHSC and Sanchezâ€™Lacombe Equations of State. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1298-1304.	3.7	3
10	Prediction of solubility of sulfur dioxide in ionic liquids using artificial neural network. <i>Journal of Molecular Liquids</i> , 2015, 211, 395-400.	4.9	28
11	Hydrogen storage in a series of Zn-based MOFs studied by Sanchezâ€™Lacombe equation of state. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 1651-1656.	7.1	30
12	Hydrogen storage in a series of Zn-based IRMOFs studied by Sanchezâ€™Lacombe equation of state. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21076-21082.	7.1	6
13	Prediction of water vapor sorption in the polymeric membranes using PHSC equation of state. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 757-763.	4.4	7
14	Sorption of methane in a series of Zn-based MOFs studied by PHSC equation of state. <i>Fluid Phase Equilibria</i> , 2014, 381, 83-89.	2.5	10
15	Hydrogen storage in a series of Zn-based MOFs studied by PHSC equation of state. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14851-14857.	7.1	11
16	Sorption of CO <sub>2</sub> , C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> in HOF-1a studied by PHSC equation of state. <i>Fluid Phase Equilibria</i> , 2013, 360, 23-28.	2.5	9
17	Prediction of hydrate formation conditions based on the vdWPâ€™type models at high pressures. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 254-263.	1.7	21
18	Sorption mechanism in organic solutions of uncharged polymers. <i>Journal of Applied Polymer Science</i> , 2010, 117, 1867-1875.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Modeling of thermodiffusion in liquid metal alloys. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13835.	2.8	28
20	Modified perturbed hard-sphere equation of state for alkali metal alloys. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3113-3120.	3.1	9
21	Compatibility of polymer blends. I. Copolymers with organic solvents. <i>Journal of Applied Polymer Science</i> , 2006, 101, 492-498.	2.6	7
22	Sorption phenomena of organic solvents in polymers: Part II. <i>European Polymer Journal</i> , 2005, 41, 2067-2087.	5.4	6
23	Sorption phenomena of organic solvents in polymers: Part I. <i>European Polymer Journal</i> , 2005, 41, 974-983.	5.4	4
24	Application of the ISM EoS for polymer melts. <i>European Polymer Journal</i> , 2004, 40, 1105-1110.	5.4	18
25	Application of the ISM EoS for polymer solutions and blends. <i>European Polymer Journal</i> , 2004, 40, 2689-2698.	5.4	4
26	The ISM Equation of State Applied to Refrigerants. <i>International Journal of Thermophysics</i> , 1999, 20, 1547-1555.	2.1	9