## Athanassios K Stubos

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1652640/publications.pdf

Version: 2024-02-01

125106 111975 5,082 127 35 67 citations g-index h-index papers 127 127 127 6126 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Review on the Safe Use of Ammonia Fuel Cells in the Maritime Industry. Energies, 2021, 14, 3023.	1.6	46
2	Study on the operation and energy demand of dual-stage Metal Hydride Hydrogen Compressors under effective thermal management. International Journal of Hydrogen Energy, 2021, 46, 29272-29287.	3.8	14
3	A Practical Methodology to Estimate the H <sub>2</sub> Storage Capacity of Pure and Binary Hydrates Based on Monte Carlo Simulations. Journal of Chemical & Engineering Data, 2020, 65, 1289-1299.	1.0	10
4	Numerical investigation on the operation and energy demand of a seven-stage metal hydride hydrogen compression system for Hydrogen Refuelling Stations. Renewable Energy, 2020, 147, 164-178.	4.3	19
5	Thermal characteristics of an <scp>airâ€cooled openâ€cathode</scp> proton exchange membrane fuel cell stack via numerical investigation. International Journal of Energy Research, 2020, 44, 11597-11613.	2.2	16
6	Recent Advances in Experimental Measurements of Mixed-Gas Three-Phase Hydrate Equilibria for Gas Mixture Separation and Energy-Related Applications. Journal of Chemical & Engineering Data, 2019, 64, 4991-5016.	1.0	17
7	Metal hydride hydrogen compressors: Current developments & amp; early markets. Renewable Energy, 2018, 127, 850-862.	4.3	59
8	Enhanced \$\$ext {CO}_2\$\$ CO 2 selectivity within the cavity of gmelinite frameworks. Adsorption, 2018, 24, 371-379.	1.4	3
9	Solubility of Methane and Carbon Dioxide in the Aqueous Phase of the Ternary (Methane + Carbon) Tj ETQq1 1 0 of Chemical & Engineering Data, 2018, 63, 1027-1035.	.784314 r 1.0	gBT  Overlock 15
10	Identification of conditions for increased methane storage capacity in sll and sH clathrate hydrates from Monte Carlo simulations. Journal of Chemical Thermodynamics, 2018, 117, 128-137.	1.0	17
11	Monte Carlo simulations of the separation of a binary gas mixture (CH <sub>4</sub> +) Tj ETQq1 1 0.784314 rgE	BT 13verloo	ck 10 Tf 50 3
12	Using clathrate hydrates for gas storage and gas-mixture separations: experimental and computational studies at multiple length scales. Molecular Physics, 2018, 116, 2041-2060.	0.8	18
13	Modeling and simulation supporting the application of fuel cell & mp; hydrogen technologies. Journal of Computational Science, 2018, 27, 10-20.	1.5	6
14	Storage of H <sub>2</sub> in Clathrate Hydrates: Evaluation of Different Force-Fields used in Monte Carlo Simulations. Molecular Physics, 2017, 115, 1274-1285.	0.8	16
15	Material development and assessment of an energy storage concept based on the CaO-looping process. Solar Energy, 2017, 150, 298-309.	2.9	51
16	Determining the specific surface area of Metal Organic Frameworks based on a computational approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 526, 14-19.	2.3	2
17	Two- and three-phase equilibrium experimental measurements for the ternary CH 4 $\hat{A}$ + CO 2 $\hat{A}$ + H 2 O mixture. Fluid Phase Equilibria, 2017, 451, 96-105.	1.4	15
18	The effect of lattice constant on the storage capacity of hydrogen hydrates: a Monte Carlo study. Molecular Physics, 2016, 114, 2664-2671.	0.8	18

#	Article	IF	CITATIONS
19	Lattice constants of pure methane and carbon dioxide hydrates at low temperatures. Implementing quantum corrections to classical molecular dynamics studies. Journal of Chemical Physics, 2016, 144, 124512.	1.2	20
20	Direct phase coexistence molecular dynamics study of the phase equilibria of the ternary methane–carbon dioxide–water hydrate system. Physical Chemistry Chemical Physics, 2016, 18, 23538-23548.	1.3	39
21	Storage of Methane in Clathrate Hydrates: Monte Carlo Simulations of sI Hydrates and Comparison with Experimental Measurements. Journal of Chemical & Engineering Data, 2016, 61, 2886-2896.	1.0	26
22	Molecular dynamics simulations of pure methane and carbon dioxide hydrates: lattice constants and derivative properties. Molecular Physics, 2016, 114, 2672-2687.	0.8	24
23	Development of a novel experimental apparatus for hydrate equilibrium measurements. Fluid Phase Equilibria, 2016, 424, 152-161.	1.4	10
24	Microscale characterisation of stochastically reconstructed carbon fiber-based Gas Diffusion Layers; effects of anisotropy and resin content. Journal of Power Sources, 2016, 320, 153-167.	4.0	30
25	Comparing hydrogen sorption in different Pd-doped pristine and surface-modified nanoporous carbons. Carbon, 2016, 98, 1-14.	5.4	11
26	The role of intermolecular interactions in the prediction of the phase equilibria of carbon dioxide hydrates. Journal of Chemical Physics, 2015, 143, 094506.	1.2	58
27	Prediction of the phase equilibria of methane hydrates using the direct phase coexistence methodology. Journal of Chemical Physics, 2015, 142, 044501.	1.2	111
28	Gas Solubility in Aqueous Solutions Under Two-Phase (H–Lw) Hydrate Equilibrium Conditions. , 2015, , 205-212.		0
29	A generic physical model for a thermally integrated high-temperature PEM fuel cell and sodium alanate tank system. International Journal of Hydrogen Energy, 2015, 40, 14551-14561.	3.8	12
30	A complete transport validated model on a zeolite membrane for carbon dioxide permeance and capture. Applied Thermal Engineering, 2015, 74, 36-46.	3.0	14
31	Influence of combining rules on the cavity occupancy of clathrate hydrates using van der Waals–Platteeuw-theory-based modelling. Chemical Engineering Research and Design, 2014, 92, 2992-3007.	2.7	12
32	High-temperature activated AB2nanopowders for metal hydride hydrogen compression. International Journal of Energy Research, 2014, 38, 477-486.	2.2	19
33	Influence of combining rules on the cavity occupancy of clathrate hydrates by Monte Carlo simulations. Molecular Physics, 2014, 112, 2258-2274.	0.8	32
34	Methane solubility in aqueous solutions under two-phase (H–Lw) hydrate equilibrium conditions. Fluid Phase Equilibria, 2014, 371, 106-120.	1.4	37
35	The required level of isosteric heat for the adsorptive/storage delivery of H <sub>2</sub> in the UiO series of MOFs. RSC Advances, 2014, 4, 44848-44851.	1.7	4
36	Thermal coupling potential of Solid Oxide Fuel Cells with metal hydride tanks: Thermodynamic and design considerations towards integrated systems. Journal of Power Sources, 2014, 269, 440-450.	4.0	22

#	Article	IF	CITATIONS
37	Newtonian and Power-Law fluid flow in a T-junction of rectangular ducts. Theoretical and Computational Fluid Dynamics, 2014, 28, 233-256.	0.9	18
38	Investigation of ZrFe 2 -type materials for metal hydride hydrogen compressor systems by substituting Fe with Cr or V. International Journal of Hydrogen Energy, 2014, 39, 21380-21385.	3.8	31
39	Hydrogen sorption properties of Pd-doped carbon molecular sieves. International Journal of Hydrogen Energy, 2014, 39, 9830-9836.	3.8	16
40	A hydrogen sorption study on a Pd-doped CMK-3 type ordered mesoporous carbon. Adsorption, 2013, 19, 803-811.	1.4	9
41	Polymer-stable magnesium nanocomposites prepared byÂlaser ablation for efficient hydrogen storage. International Journal of Hydrogen Energy, 2013, 38, 11530-11535.	3.8	79
42	Techno-economic analysis of RES & Dydrogen technologies integration in remote island power system. International Journal of Hydrogen Energy, 2013, 38, 11646-11654.	3.8	22
43	The effect of compositional changes on the structural and hydrogen storage properties of (La–Ce)Ni5 type intermetallics towards compounds suitable for metal hydride hydrogen compression. Journal of Alloys and Compounds, 2013, 580, S268-S270.	2.8	52
44	Synthesis and Characterization of TiFe <sub>0.7<math>\hat{a}</math><i>&gt;x</i></sub> Mn <sub>0.3</sub> V <sub>Ci&gt;x</sub> Ci>x= 0.05, and 0.1) and Ti <sub>1<math>\hat{a}</math>Ti<sub>1<math>\hat{a}</math>Ci&gt;y</sub>Ta<sub>Ci&gt;y</sub>Fe<sub>0.7</sub>Mn<sub>0.3</sub> (<i>y</i></sub> To	j et <b>Qq</b> 0 0	0 r <b>g</b> BT /Overlo
45	Structural piving octobilistly, and 1907 genation Properties of TiMn < SUB > 0.4 <   SUB > Fe < SUB > 0.2 <   SUB > V < SUB > 0.4 <   SUB > Fe < SUB > 0.2 <   SUB > V < SUB > 0.7 <   SUB > and Ti < SUB > 0.4 <   SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > Ti < SUB > T	0.9	3
46	Synthesis and characterisation of a mesoporous carbon/calcium borohydride nanocomposite for hydrogen storage. International Journal of Hydrogen Energy, 2012, 37, 16631-16635.	3.8	17
47	On the limitation of the van der Waals-Platteeuw-based thermodynamic models for hydrates with multiple occupancy of cavities. Molecular Physics, 2012, 110, 1213-1221.	0.8	24
48	Synthesis and characterisation of nanoporous carbon–metal composites for hydrogen storage. Microporous and Mesoporous Materials, 2012, 154, 74-81.	2.2	17
49	Enhanced hydrogen storage by spillover on metal-doped carbon foam: an experimental and computational study. Nanoscale, 2011, 3, 933.	2.8	65
50	Experimental and Computational Investigation of the sII Binary Heâ^THF Hydrate. Journal of Physical Chemistry B, 2011, 115, 1411-1415.	1.2	29
51	Scale prediction in liquid flow through porous media: A geochemical model for the simulation of CaCO3 deposition at the near-well region. Journal of Geochemical Exploration, 2011, 108, 115-125.	1.5	18
52	Hydrogenation properties of the TiBx structures. International Journal of Hydrogen Energy, 2011, 36, 12268-12278.	3.8	5
53	A Lattice Boltzmann Method for Non Ideal Gases Based on the Gradient Theory of Interfaces. Computer Aided Chemical Engineering, 2011, 29, 1598-1602.	0.3	0
54	Determination of the spatial distribution of multiple fluid phases in porous media by ultra-small-angle neutron scattering. Applied Surface Science, 2010, 256, 5329-5333.	3.1	2

#	Article	IF	CITATIONS
55	Application of the Lattice-Boltzmann method to the modeling of population blob dynamics in 2D porous domains. Computers and Mathematics With Applications, 2010, 59, 2315-2325.	1.4	6
56	Graphene Fluoride: A Stable Stoichiometric Graphene Derivative and its Chemical Conversion to Graphene. Small, 2010, 6, 2885-2891.	5.2	386
57	Fractal Characteristics and Scaling of the Drying Front in Porous Media: A Pore Network Study. Drying Technology, 2010, 28, 981-990.	1.7	29
58	Unexpected Behavior of Helium as Guest Gas in sll Binary Hydrates. Journal of Physical Chemistry Letters, 2010, 1, 1014-1017.	2.1	30
59	Monte Carlo study of sl hydrogen hydrates. Molecular Simulation, 2010, 36, 736-744.	0.9	14
60	Structural and Electronic Properties of the Hydrogenated ZrCr2 Laves Phases. Journal of Physical Chemistry C, 2010, 114, 4221-4227.	1.5	17
61	Liquidâ€Phase Exfoliation of Graphite Towards Solubilized Graphenes. Small, 2009, 5, 1841-1845.	5.2	508
62	Modeling and optimization of multi-tubular metal hydride beds for efficient hydrogen storage. International Journal of Hydrogen Energy, 2009, 34, 9128-9140.	3.8	54
63	Aqueous-phase exfoliation of graphite in the presence of polyvinylpyrrolidone for the production of water-soluble graphenes. Solid State Communications, 2009, 149, 2172-2176.	0.9	255
64	A hybrid process-based and stochastic reconstruction method of porous media. Microporous and Mesoporous Materials, 2008, 110, 92-99.	2.2	56
65	Monte Carlo study of sll and sH argon hydrates with multiple occupancy of cages. Molecular Simulation, 2008, 34, 1311-1320.	0.9	27
66	Why Li Doping in MOFs Enhances H <sub>2</sub> Storage Capacity? A Multi-scale Theoretical Study. Journal of Physical Chemistry C, 2008, 112, 7290-7294.	1.5	145
67	Hydrogen Storage in sH Hydrates: A Monte Carlo Study. Journal of Physical Chemistry B, 2008, 112, 14206-14211.	1.2	47
68	Evaluation of the Hydrogen-Storage Capacity of Pure H <sub>2</sub> and Binary H <sub>2</sub> -THF Hydrates with Monte Carlo Simulations. Journal of Physical Chemistry C, 2008, 112, 10294-10302.	1.5	81
69	Coupling between external and internal mass transfer during drying of a porous medium. Water Resources Research, 2007, 43, .	1.7	80
70	Characterization of nanoporous carbons by combining CO2 and H2 sorption data with the Monte Carlo simulations. Applied Surface Science, 2007, 253, 5715-5720.	3.1	23
71	Atomistic simulation of sorption in model pores with reduced spatial periodicity. Applied Surface Science, 2007, 253, 5606-5609.	3.1	3
72	A lattice Boltzmann study of viscous coupling effects in immiscible two-phase flow in porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 300, 35-49.	2.3	126

#	Article	IF	CITATIONS
73	Synthesis, characterization and gas sorption properties of a molecularly-derived graphite oxide-like foam. Carbon, 2007, 45, 852-857.	5.4	60
74	Preparation and characterisation of gas selective microporous carbon membranes. Microporous and Mesoporous Materials, 2007, 99, 181-189.	2.2	34
75	Experimental investigation of asphaltene deposition mechanism during oil flow in core samples. Journal of Petroleum Science and Engineering, 2007, 57, 281-293.	2.1	88
76	A Lattice Boltzmann study of non-newtonian flow in digitally reconstructed porous domains. Transport in Porous Media, 2007, 70, 279-292.	1.2	27
77	Multi-scale modelling and optimization of hydrogen storage systems using advanced solid materials. Computer Aided Chemical Engineering, 2006, 21, 185-190.	0.3	0
78	Study of Calcium Carbonate Precipitation in the Near-Well Region Using 47Ca as Tracer. SPE Production and Operations, 2006, 21, 33-39.	0.4	3
79	Dynamic modelling and optimization of hydrogen storage in metal hydride beds. Energy, 2006, 31, 2428-2446.	4.5	56
80	An integrated radiotracer approach for the laboratory evaluation of scale inhibitors performance in geological environments. Chemical Engineering Science, 2006, 61, 7057-7067.	1.9	16
81	On the optimization of hydrogen storage in metal hydride beds. International Journal of Hydrogen Energy, 2006, 31, 737-751.	3 <b>.</b> 8	78
82	Pore-network study of the characteristic periods in the drying of porous materials. Journal of Colloid and Interface Science, 2006, 297, 738-748.	5.0	145
83	Multiphase mass transport with partitioning and inter-phase transport in porous media. Chemical Engineering Science, 2006, 61, 4650-4661.	1.9	30
84	Multiscale modeling and optimization of H2 storage using nanoporous adsorbents. AICHE Journal, 2006, 52, 2964-2977.	1.8	7
85	An improved predictive correlation for the induction time of CaCO3 scale formation during flow in porous media. Journal of Colloid and Interface Science, 2005, 286, 7-13.	5.0	31
86	Low to moderate Peclet mass transport in assemblages of spherical particles for a realistic adsorption–reaction–desorption mechanism. Powder Technology, 2005, 159, 173-179.	2.1	7
87	Combination of small angle neutron scattering data and mesoscopic simulation techniques as a tool for the structural characterization and prediction of properties of bi-phasic media. Chemical Physics, 2005, 317, 298-311.	0.9	11
88	Use of natural geochemical tracers to improve reservoir simulation models. Journal of Petroleum Science and Engineering, 2005, 48, 241-253.	2.1	27
89	On the identification of representative samples from large data sets, with application to synoptic climatology. Theoretical and Applied Climatology, 2005, 82, 177-182.	1.3	8
90	Digitally Reconstructed Porous Media: Transport and Sorption Properties. Transport in Porous Media, 2005, 58, 43-62.	1.2	38

#	Article	IF	Citations
91	Effect of liquid films on the drying of porous media. AICHE Journal, 2004, 50, 2721-2737.	1.8	171
92	Structural alterations of fully hydrated human stratum corneum. Physica B: Condensed Matter, 2004, 350, E603-E606.	1.3	29
93	Transport of organic components from immobile and bypassed oil in porous media. AICHE Journal, 2003, 49, 1085-1094.	1.8	4
94	Low Peclet mass transport in assemblages of spherical particles for two different adsorption mechanisms. Journal of Colloid and Interface Science, 2003, 264, 20-29.	5.0	22
95	Simulated Annealing as a Method for the Determination of the Spatial Distribution of a Condensable Adsorbate in Mesoporous Materials. Langmuir, 2003, 19, 3333-3337.	1.6	9
96	Origin of Hysteresis of Gas Adsorption in Disordered Porous Media:Â Lattice Gas Model versus Percolation Theory. Langmuir, 2003, 19, 3338-3344.	1.6	21
97	The effect of Peclet on the Sherwood number in high porosity granular media. Studies in Surface Science and Catalysis, 2002, 144, 753-760.	1.5	4
98	A Monte Carlo study on the structure of carbon dioxide adsorbed in microporous carbons Studies in Surface Science and Catalysis, 2002, 144, 545-552.	1.5	8
99	A neutron-diffraction study of the effect of hydration on stratum corneum structure. Applied Physics A: Materials Science and Processing, 2002, 74, s1245-s1247.	1.1	15
100	Diffusion and Flow in Porous Domains Constructed Using Process-Based and Stochastic Techniques. Journal of Porous Materials, 2002, 9, 141-154.	1.3	29
101	Simulation Study of Sorption of CO <sub>2</sub> and N <sub>2</sub> with Application to the Characterization of Carbon Adsorbents. Molecular Simulation, 2001, 27, 441-456.	0.9	17
102	A 2-D pore-network model of the drying of single-component liquids in porous media. Advances in Water Resources, 2001, 24, 439-460.	1.7	133
103	Phase change in porous media. Current Opinion in Colloid and Interface Science, 2001, 6, 208-216.	3.4	62
104	Numerical and experimental investigation of the diffusional release of a dispersed solute from polymeric multilaminate matrices. Journal of Controlled Release, 2001, 70, 309-319.	4.8	30
105	Structural Characterisation and Applications of Ceramic Membranes for Gas Separations. Studies in Surface Science and Catalysis, 2000, 128, 429-438.	1.5	1
106	Adsorption–Desorption Flow of Condensable Vapors through Mesoporous Media: Network Modeling and Percolation Theory. Journal of Colloid and Interface Science, 2000, 223, 89-101.	5.0	6
107	The Structure of Adsorbed CO2 in Slitlike Micropores at Low and High Temperature and the Resulting Micropore Size Distribution Based on GCMC Simulations. Journal of Colloid and Interface Science, 2000, 224, 272-290.	5.0	43
108	Structural and Transport Properties of Alumina Porous Membranes from Process-Based and Statistical Reconstruction Techniques. Journal of Colloid and Interface Science, 2000, 231, 158-167.	5.0	36

#	Article	IF	CITATIONS
109	Pore geometry and transport properties in North Sea chalk. Journal of Petroleum Science and Engineering, 2000, 25, 107-134.	2.1	43
110	A study on structural and diffusion properties of porcine stratum corneum based on very small angle neutron scattering data. Pharmaceutical Research, 2000, 17, 1085-1091.	1.7	29
111	Combination of small angle scattering and three-dimensional stochastic reconstruction for the study of adsorption–desorption processes in Vycor porous glass. Journal of Chemical Physics, 2000, 112, 9881-9887.	1.2	37
112	Evaporation of a Stagnant Liquid. Industrial & Evaporation of a Stagnant Liquid.	1.8	10
113	Ceramic membranes - characterization and applications. Studies in Surface Science and Catalysis, 1999, 120, 687-713.	1.5	3
114	Simulation of self-diffusion of point-like and finite-size tracers in stochastically reconstructed Vycor porous glasses. Journal of Chemical Physics, 1999, 111, 2735-2743.	1.2	42
115	Scaling theory of drying in porous media. Physical Review E, 1999, 59, 4353-4365.	0.8	101
116	AERODYNAMICALLY GENERATED ACOUSTIC RESONANCE IN A PIPE WITH ANNULAR FLOW RESTRICTORS. Journal of Fluids and Structures, 1999, 13, 755-778.	1.5	23
117	PEEL ADHESION PROPERTIES OF AIR-DRIED PHARMACEUTICAL PRESSURE SENSITIVE ADHESIVE. Drying Technology, 1999, 17, 2093-2106.	1.7	0
118	DRYING KINETICS OF A MULTICOMPONENT MIXTURE OF ORGANIC SOLVENTS. Drying Technology, 1999, 17, 2107-2122.	1.7	4
119	Adsorption–desorption gas relative permeability through mesoporous media—network modelling and percolation theory. Chemical Engineering Science, 1998, 53, 2353-2364.	1.9	29
120	A two-phase model for controlled drug release from biphasic polymer hydrogels. Journal of Controlled Release, 1998, 51, 313-325.	4.8	19
121	A novel experimental technique for the measurement of the single-phase gas relative permeability of porous solids. Measurement Science and Technology, 1997, 8, 168-173.	1.4	24
122	Determination of Micropore Size Distribution from Grand Canonical Monte Carlo Simulations and Experimental CO2 Isotherm Data. Langmuir, 1997, 13, 2795-2802.	1.6	108
123	High pressure gas permeability of microporous carbon membranes. Microporous Materials, 1997, 8, 171-176.	1.6	77
124	Application of effective medium approximation for the determination of the permeability of condensable vapours through mesoporous media. Chemical Engineering Science, 1997, 52, 2837-2844.	1.9	22
125	Novel design for high pressure, integral, differential, absolute, and relative multicomponent permeability measurements. Review of Scientific Instruments, 1996, 67, 2545-2548.	0.6	25
126	Water adsorption and small angle X-ray scattering studies on the effect of coal thermal treatment. Carbon, 1996, 34, 775-781.	5.4	14

#	Article	IF	CITATIONS
127	A network model for the permeability of condensable vapours through mesoporous media. Journal of Membrane Science, 1996, 114, 215-225.	4.1	32