

Kean Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7712936/publications.pdf>

Version: 2024-02-01

83
papers

2,580
citations

182225

30
h-index

223390

49
g-index

84
all docs

84
docs citations

84
times ranked

4212
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of phenolic contaminants from water by pervaporation. Journal of Membrane Science, 2021, 623, 119043.	4.1	38
2	Synthesizing molecularly imprinted polymer beads for the purification of vitamin E. Particology, 2021, 57, 10-18.	2.0	3
3	Salt-free synthesis of Cu-BTC metal-organic framework exhibiting mesoporosity and enhanced carbon dioxide adsorption. Microporous and Mesoporous Materials, 2021, 324, 111265.	2.2	18
4	The separation of oily water using low-cost natural materials: Review and development. Chemosphere, 2021, 285, 131398.	4.2	19
5	Carbon molecular sieve membranes for natural gas purification: Role of surface flow. Canadian Journal of Chemical Engineering, 2020, 98, 775-784.	0.9	6
6	The equilibrium and fixed-bed study of malachite green adsorption on chitosan hydrogels. Water Science and Technology, 2019, 79, 1571-1579.	1.2	4
7	Molecularly imprinted polymer microspheres prepared via the two-step swelling polymerization for the separation of lincomycin. Journal of Applied Polymer Science, 2019, 136, 47938.	1.3	18
8	Waste-cellulose-derived porous carbon adsorbents for methyl orange removal. Chemical Engineering Journal, 2019, 371, 55-63.	6.6	176
9	Synthesizing Vitamin E Molecularly Imprinted Polymers via Precipitation Polymerization. Journal of Chemical & Engineering Data, 2019, 64, 1045-1050.	1.0	27
10	Surface functionalized carbon microspheres for the recovery of copper ion from refinery wastewater. Korean Journal of Chemical Engineering, 2018, 35, 147-152.	1.2	10
11	Metal-organic framework/graphene oxide composite fillers in mixed-matrix membranes for CO ₂ separation. Materials Chemistry and Physics, 2018, 212, 513-522.	2.0	74
12	A Low-cost, Natural Material for Oil/Water Emulsion Separation. , 2018, , .		0
13	The Reverse-Selectivity of Nanoporous Membrane for the Separation of Gas Mixtures. , 2018, , .		1
14	The "ideal selectivity" vs "true selectivity" for permeation of gas mixture in nanoporous membranes. IOP Conference Series: Materials Science and Engineering, 2018, 323, 012002.	0.3	6
15	UV-TiO ₂ treatment of the cooling water of an oil refinery. Journal of Water Process Engineering, 2018, 26, 176-181.	2.6	12
16	The separation of oil in water (O/W) emulsions using polyether sulfone & nitrocellulose microfiltration membranes. Journal of Water Process Engineering, 2018, 25, 113-117.	2.6	30
17	Differences in binary gas permeation between inorganic and polymeric membranes. , 2018, , .		0
18	The Experimental Verification of Reversed Selectivity for Gas Permeation in Nanoporous Membrane. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Preparation and morphology study of carbon molecular sieve membrane derived from polyimide. Canadian Journal of Chemical Engineering, 2017, 95, 1993-1998.	0.9	8
20	A Comparative Analysis of the Reinforcing Efficiency of Silsesquioxane Nanoparticles versus Apatite Nanoparticles in Chitosan Biocomposite Fibres. Journal of Composites Science, 2017, 1, 9.	1.4	5
21	How Sensitive Is the Elasticity of Hydroxyapatite-Nanoparticle-Reinforced Chitosan Composite to Changes in Particle Concentration and Crystallization Temperature?. Journal of Functional Biomaterials, 2015, 6, 986-998.	1.8	7
22	Energy gas storage in template-synthesized carbons with different porous structures. Canadian Journal of Chemical Engineering, 2015, 93, 527-531.	0.9	7
23	Bovine Serum Albumin Adsorption on Gluteraldehyde Cross-Linked Chitosan Hydrogels. Journal of Chemical & Engineering Data, 2015, 60, 2356-2362.	1.0	44
24	Purification Of Natural Gas By Using Carbon Molecular Sieve Membrane. , 2014, , .		0
25	Carbon Spheres for the Removal of Heavy Metal Ions From Refinery Effluents. Journal of Chemical Engineering Research Updates, 2014, 1, 35-45.	0.1	2
26	The structural development of zeolite-templated carbon under pyrolysis. Journal of Analytical and Applied Pyrolysis, 2013, 100, 153-157.	2.6	10
27	Molecular-Ion-Imprinted Chitosan Hydrogels for the Selective Adsorption of Silver(I) in Aqueous Solution. Industrial & Engineering Chemistry Research, 2012, 51, 11261-11265.	1.8	53
28	Low-Cost Carbon Nanospheres for Efficient Removal of Organic Dyes from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2012, 51, 13438-13444.	1.8	39
29	Synthesis and characterization of activated carbons prepared from benzene CVD on zeolite Y. Journal of Porous Materials, 2012, 19, 211-215.	1.3	6
30	Nitrogen, Hydrogen, Carbon Dioxide, and Water Vapor Sorption Properties of Three-Dimensional Graphene. Journal of Chemical & Engineering Data, 2011, 56, 642-645.	1.0	39
31	Hydrogen storage in a Ni-B nanoalloy-doped three-dimensional graphene material. Energy and Environmental Science, 2011, 4, 195-200.	15.6	99
32	Modified Chitosan Hydrogels for the Removal of Acid Dyes at High pH: Modification and Regeneration. Industrial & Engineering Chemistry Research, 2011, 50, 6343-6346.	1.8	24
33	An Ideal Adsorbed Solution Theory (IAST) Study of Adsorption Equilibria of Binary Mixtures of Methane and Ethane on a Templated Carbon. Journal of Chemical & Engineering Data, 2011, 56, 1209-1212.	1.0	48
34	Covalent immobilization of nisin on multi-walled carbon nanotubes: superior antimicrobial and anti-biofilm properties. Nanoscale, 2011, 3, 1874.	2.8	100
35	Surface activated carbon nanospheres for fast adsorption of silver ions from aqueous solutions. Journal of Hazardous Materials, 2011, 194, 162-168.	6.5	174
36	Hydrogen storage in Ni-B nanoalloy-doped 2D graphene. International Journal of Hydrogen Energy, 2011, 36, 12950-12954.	3.8	47

#	ARTICLE	IF	CITATIONS
37	Surface functionalization-enhanced spillover effect on hydrogen storage of Ni@B nanoalloy-doped activated carbon. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13663-13668.	3.8	42
38	Hollow Fiber Membrane Decorated with Ag/MWNTs: Toward Effective Water Disinfection and Biofouling Control. <i>ACS Nano</i> , 2011, 5, 10033-10040.	7.3	217
39	Investigation of surface properties of plasma-modified polyamide 6 and polyamide 6/layered silicate nanocomposites. <i>Journal of Materials Science</i> , 2011, 46, 3084-3093.	1.7	14
40	Characterization and diffusion behavior of chitosan-POSS composite membranes. <i>Journal of Applied Polymer Science</i> , 2011, 122, 427-435.	1.3	32
41	Adsorption kinetics of methane on a template-synthesized carbon powder and its pellet. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2011, 6, 294-300.	0.8	5
42	Enhanced mechanical properties of novel chitosan nanocomposite fibers. <i>Carbohydrate Polymers</i> , 2011, 86, 1151-1156.	5.1	21
43	Methane storage in carbon pellets prepared via a binderless method. <i>Energy Conversion and Management</i> , 2011, 52, 1258-1262.	4.4	26
44	Role of interface in dispersion and surface energetics of polymer nanocomposites containing hydrophilic POSS and layered silicates. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 222-230.	5.0	38
45	The separation of GMP from milk whey using the modified chitosan beads. <i>Adsorption</i> , 2010, 16, 85-91.	1.4	19
46	Pervaporation performance of novel chitosan-POSS hybrid membranes: Effects of POSS and operating conditions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2185-2192.	2.4	32
47	Experimental Measurement and Modeling of Diffusion Anomalies in a CMS Membrane. <i>Chemical Product and Process Modeling</i> , 2010, 5, .	0.5	0
48	Adsorption Properties of the SAPO-5 Molecular Sieve. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3286-3289.	1.0	12
49	Reversible hydrogen storage of multi-wall carbon nanotubes doped with atomically dispersed lithium. <i>Journal of Materials Chemistry</i> , 2010, 20, 6490.	6.7	30
50	Abrasion studies of nylon 6/montmorillonite nanocomposites using scanning electron microscopy, fourier transform infrared spectroscopy, and X-ray photoelectron spectroscopy. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3286-3293.	1.3	10
51	The structural characterization of a CMS membrane using Ar sorption and permeation. <i>Journal of Membrane Science</i> , 2009, 335, 1-4.	4.1	12
52	Characterization of a zeolite-templated carbon for H ₂ storage application. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 503-507.	2.2	68
53	Synthesis of novel hybrid films of a layered silicate and alkylammonium cations on rough polymeric surfaces by Langmuir-Blodgett method. <i>Journal of Colloid and Interface Science</i> , 2009, 340, 249-253.	5.0	0
54	Methane storage in a template-synthesized carbon. <i>Separation and Purification Technology</i> , 2008, 64, 124-126.	3.9	40

#	ARTICLE	IF	CITATIONS
55	Selection of a practical assay for the determination of the entire range of acetyl content in chitin and chitosan: UV spectrophotometry with phosphoric acid as solvent. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 86B, 558-568.	1.6	13
56	Modeling of the adsorption breakthrough behaviors of Pb ²⁺ in a fixed bed of ETS-10 adsorbent. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 57-63.	5.0	45
57	The Fixed-Bed Study of Dye Removal on Chitosan Beads at High pH. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 8796-8800.	1.8	34
58	Sorption Properties of a Single Wall Carbon Nanotube. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2451-2453.	1.0	5
59	High-Pressure CO ₂ Adsorption on a Polymer-Derived Carbon Molecular Sieve. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2-4.	1.0	26
60	Chitosan composites for biomedical applications: Status, challenges and perspectives. <i>Materials Science and Technology</i> , 2008, 24, 1053-1061.	0.8	92
61	Chitosan membrane in separation applications. <i>Materials Science and Technology</i> , 2008, 24, 1076-1087.	0.8	54
62	Biosorption of chitin and chitosan. <i>Materials Science and Technology</i> , 2008, 24, 1088-1099.	0.8	33
63	CO ₂ Permeation in Carbon Membranes with Different Degrees of Carbonization. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 1402-1407.	1.8	10
64	Diffusion anomaly and blind pore character in carbon molecular sieve membrane. <i>Chemical Engineering Science</i> , 2007, 62, 3654-3659.	1.9	9
65	The importance of finite adsorption kinetics in the sorption of hydrocarbon gases onto a nutshell-derived activated carbon. <i>Chemical Engineering Science</i> , 2007, 62, 6836-6842.	1.9	9
66	Effect of operating conditions on the removal of Pb ²⁺ by microporous titanosilicate ETS-10 in a fixed-bed column. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 218-225.	5.0	43
67	Permeation time lag in polymeric hollow fiber membranes. <i>Journal of Membrane Science</i> , 2006, 283, 425-429.	4.1	4
68	Gas permeation in hollow fiber membranes with nonlinear sorption isotherm and concentration dependent diffusion coefficient. <i>Journal of Membrane Science</i> , 2005, 267, 99-103.	4.1	5
69	Study of isosteric heat of adsorption and activation energy for surface diffusion of gases on activated carbon using equilibrium and kinetics information. <i>Separation and Purification Technology</i> , 2004, 34, 165-176.	3.9	24
70	The structural characterization of carbon molecular sieve membrane (CMSM) via gas adsorption. <i>Journal of Membrane Science</i> , 2003, 220, 177-182.	4.1	37
71	Title is missing!. <i>Adsorption</i> , 2001, 7, 51-63.	1.4	6
72	On the performance of HIAST and IAST in the prediction of multicomponent adsorption equilibria. <i>Separation and Purification Technology</i> , 2000, 20, 243-249.	3.9	21

#	ARTICLE	IF	CITATIONS
73	Using Local IAST with Micropore Size Distribution To Predict Multicomponent Adsorption Equilibrium of Gases in Activated Carbon. Langmuir, 2000, 16, 1292-1298.	1.6	30
74	Study of Binary Adsorption Equilibrium of Hydrocarbons in Activated Carbon Using Micropore Size Distribution. Langmuir, 2000, 16, 5130-5136.	1.6	25
75	Application of IAST in the Prediction of Multicomponent Adsorption Equilibrium of Gases in Heterogeneous Solids: A Micropore Size Distribution versus Energy Distribution. Industrial & Engineering Chemistry Research, 2000, 39, 527-532.	1.8	19
76	Title is missing!. Adsorption, 1999, 5, 25-37.	1.4	7
77	A new model for the description of adsorption kinetics in heterogeneous activated carbon. Carbon, 1998, 36, 1539-1554.	5.4	101
78	Dual diffusion and finite mass exchange model for adsorption kinetics in activated carbon. AIChE Journal, 1998, 44, 68-82.	1.8	46
79	Comparison of models on the prediction of binary equilibrium data of activated carbons. AIChE Journal, 1998, 44, 740-752.	1.8	41
80	Predictions of Adsorption Equilibria of Nonpolar Hydrocarbons onto Activated Carbon. Langmuir, 1998, 14, 7271-7277.	1.6	14
81	Characterizing the Micropore Size Distribution of Activated Carbon Using Equilibrium Data of Many Adsorbates at Various Temperatures. Langmuir, 1997, 13, 6226-6233.	1.6	47
82	Equilibria and kinetics characterisation of two different structured nutshell-derived activated carbons. Adsorption, 1997, 3, 267-275.	1.4	7
83	Measuring the permeabilities of binary gas mixtures with a novel time-lag technique. Canadian Journal of Chemical Engineering, 0, , .	0.9	1