

Mietek Jaroniec

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2959242/publications.pdf>

Version: 2024-02-01

887

papers

114,465

citations

219

146

h-index

171

321

g-index

916

all docs

916

docs citations

916

times ranked

59931

citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic CO ₂ Reduction: Identification and Elimination of False-Positive Results. ACS Energy Letters, 2022, 7, 1611-1617.	17.4	34
2	Non-Noble Plasmonic Metal-Based Photocatalysts. Chemical Reviews, 2022, 122, 10484-10537.	47.7	268
3	Metal-metal interactions in correlated single-atom catalysts. Science Advances, 2022, 8, eabo0762.	10.3	142
4	Zirconium Containing Periodic Mesoporous Organosilica: The Effect of Zr on CO ₂ Sorption at Ambient Conditions. Journal of Composites Science, 2022, 6, 168.	3.0	5
5	Engineering of Yolk/Core-Shell Structured Nanoreactors for Thermal Hydrogenations. Small, 2021, 17, e1906250.	10.0	60
6	Surface modification of zero-valent iron nanoparticles with β -cyclodextrin for 4-nitrophenol conversion. Journal of Colloid and Interface Science, 2021, 586, 655-662.	9.4	26
7	Toward development of single-atom ceramic catalysts for selective catalytic reduction of NO with NH ₃ . Journal of Hazardous Materials, 2021, 401, 123413.	12.4	20
8	Facile mechanochemical synthesis of highly mesoporous γ -Al ₂ O ₃ using boehmite. Microporous and Mesoporous Materials, 2021, 312, 110792.	4.4	17
9	Renaissance of Stober method for synthesis of colloidal particles: New developments and opportunities. Journal of Colloid and Interface Science, 2021, 584, 838-865.	9.4	124
10	Catalytic role of metals supported on SBA-16 in hydrodeoxygenation of chemical compounds derived from biomass processing. RSC Advances, 2021, 11, 9505-9517.	3.6	12
11	Recent advances in mechanochemical synthesis of mesoporous metal oxides. Materials Advances, 2021, 2, 2510-2523.	5.4	21
12	Engineering nanoreactors for metal-chalcogen batteries. Energy and Environmental Science, 2021, 14, 540-575.	30.8	70
13	Highly Porous Carbons Synthesized from Tannic Acid via a Combined Mechanochemical Salt-Templating and Mild Activation Strategy. Molecules, 2021, 26, 1826.	3.8	13
14	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie, 2021, 133, 19724-19742.	2.0	30
15	Electrocatalytic Refinery for Sustainable Production of Fuels and Chemicals. Angewandte Chemie - International Edition, 2021, 60, 19572-19590.	13.8	341
16	Short-Range Ordered Iridium Single Atoms Integrated into Cobalt Oxide Spinel Structure for Highly Efficient Electrocatalytic Water Oxidation. Journal of the American Chemical Society, 2021, 143, 5201-5211.	13.7	287
17	Mechanochemistry: Toward green synthesis of metal-organic frameworks. Materials Today, 2021, 46, 109-124.	14.2	143
18	Advances in Microwave Synthesis of Nanoporous Materials. Advanced Materials, 2021, 33, e2103477.	21.0	84

#	ARTICLE	IF	CITATIONS
19	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. <i>Nature Energy</i> , 2021, 6, 904-912.	39.5	305
20	Reversible electrochemical oxidation of sulfur in ionic liquid for high-voltage Al ⁺ S batteries. <i>Nature Communications</i> , 2021, 12, 5714.	12.8	80
21	Assessing the contribution of micropores and mesopores from nitrogen adsorption on nanoporous carbons: Application to pore size analysis. <i>Carbon</i> , 2021, 183, 150-157.	10.3	25
22	Single-Atom Photocatalysts for Emerging Reactions. <i>ACS Central Science</i> , 2021, 7, 39-54.	11.3	94
23	An aluminum lining to the dark cloud of silver resistance: harnessing the power of potent antimicrobial activity of γ -alumina nanoparticles. <i>Biomaterials Science</i> , 2021, 9, 7996-8006.	5.4	5
24	Tannin-derived micro-mesoporous carbons prepared by one-step activation with potassium oxalate and CO ₂ . <i>Journal of Colloid and Interface Science</i> , 2020, 558, 55-67.	9.4	31
25	Integrating 2D/2D CdS/ γ -Fe ₂ O ₃ ultrathin bilayer Z-scheme heterojunction with metallic γ -NiS nanosheet-based ohmic-junction for efficient photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118619.	20.2	199
26	Revealing Principles for Design of Lean-Electrolyte Lithium Metal Anode via In Situ Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 2012-2022.	13.7	142
27	Recent Progress in Engineering the Atomic and Electronic Structure of Electrocatalysts via Cation Exchange Reactions. <i>Advanced Materials</i> , 2020, 32, e2001866.	21.0	101
28	Strategies for development of nanoporous materials with 2D building units. <i>Chemical Society Reviews</i> , 2020, 49, 6039-6055.	38.1	30
29	Recent advances in the development and applications of biomass-derived carbons with uniform porosity. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18464-18491.	10.3	68
30	Major advances in the development of ordered mesoporous materials. <i>Chemical Communications</i> , 2020, 56, 7836-7848.	4.1	74
31	Ruthenium-containing SBA-12 catalysts for anisole hydrodeoxygenation. <i>Catalysis Today</i> , 2020, 354, 67-76.	4.4	16
32	A generalized strategy for synthesizing crystalline bismuth-containing nanomaterials. <i>Nanoscale</i> , 2020, 12, 8277-8284.	5.6	6
33	Mechanochemical synthesis of highly porous materials. <i>Materials Horizons</i> , 2020, 7, 1457-1473.	12.2	165
34	Potassium citrate-assisted eco-friendly synthesis of tannin-derived nitrogen-doped micro-mesoporous carbon microspheres. <i>Journal of Materials Science</i> , 2020, 55, 13716-13736.	3.7	12
35	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. <i>Angewandte Chemie</i> , 2020, 132, 8258-8263.	2.0	28
36	Strategies for design of electrocatalysts for hydrogen evolution under alkaline conditions. <i>Materials Today</i> , 2020, 36, 125-138.	14.2	308

#	ARTICLE	IF	CITATIONS
37	Transition metal dichalcogenides for alkali metal ion batteries: engineering strategies at the atomic level. <i>Energy and Environmental Science</i> , 2020, 13, 1096-1131.	30.8	266
38	Phosphorus Vacancies that Boost Electrocatalytic Hydrogen Evolution by Two Orders of Magnitude. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8181-8186.	13.8	183
39	Identification of preferentially exposed crystal facets by X-ray diffraction. <i>RSC Advances</i> , 2020, 10, 5585-5589.	3.6	39
40	Fundamentals of adsorption for photocatalysis. <i>Interface Science and Technology</i> , 2020, , 39-62.	3.3	11
41	Hierarchical porous photocatalysts. <i>Interface Science and Technology</i> , 2020, , 63-102.	3.3	4
42	Mechanochemical synthesis of three-component graphene oxide/ordered mesoporous carbon/metal-organic framework composites. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 163-172.	9.4	22
43	Roadmap for advanced aqueous batteries: From design of materials to applications. <i>Science Advances</i> , 2020, 6, eaba4098.	10.3	1,069
44	The Application of Hollow Structured Anodes for Sodium-Ion Batteries: From Simple to Complex Systems. <i>Advanced Materials</i> , 2019, 31, e1800492.	21.0	143
45	Characterization of semiconductor photocatalysts. <i>Chemical Society Reviews</i> , 2019, 48, 5184-5206.	38.1	260
46	Ultrafast preparation of saccharide-derived carbon microspheres with excellent dispersibility via ammonium persulfate-assisted hydrothermal carbonization. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18840-18845.	10.3	38
47	Amino acid-assisted synthesis of porous graphitic carbon spheres with highly dispersed Ni nanoparticles. <i>Carbon</i> , 2019, 153, 206-216.	10.3	20
48	Anomalous hydrogen evolution behavior in high-pH environment induced by locally generated hydronium ions. <i>Nature Communications</i> , 2019, 10, 4876.	12.8	220
49	High benzene adsorption capacity of micro-mesoporous carbon spheres prepared from XAD-4 resin beads with pores protected effectively by silica. <i>Journal of Materials Science</i> , 2019, 54, 13892-13900.	3.7	15
50	Prussian blue-assisted one-pot synthesis of nitrogen-doped mesoporous graphitic carbon spheres for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22092-22102.	10.3	19
51	One-pot synthesis of activated porous graphitic carbon spheres with cobalt nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123884.	4.7	11
52	Revealing the Origin of Improved Reversible Capacity of Dual-Shell Bismuth Boxes Anode for Potassium-Ion Batteries. <i>Matter</i> , 2019, 1, 1681-1693.	10.0	81
53	Building Up a Picture of the Electrocatalytic Nitrogen Reduction Activity of Transition Metal Single-Atom Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 9664-9672.	13.7	642
54	OD/2D NiS ₂ /V-MXene composite for electrocatalytic H ₂ evolution. <i>Journal of Catalysis</i> , 2019, 375, 8-20.	6.2	150

#	ARTICLE	IF	CITATIONS
55	Breaking the volcano-plot limits for Pt-based electrocatalysts by selective tuning adsorption of multiple intermediates. Journal of Materials Chemistry A, 2019, 7, 13635-13640.	10.3	24
56	Understanding the Roadmap for Electrochemical Reduction of CO ₂ to Multi-Carbon Oxygenates and Hydrocarbons on Copper-Based Catalysts. Journal of the American Chemical Society, 2019, 141, 7646-7659.	13.7	711
57	Polyvinyl pyrrolidone-assisted synthesis of size-tunable polymer spheres at elevated temperature and their conversion to nitrogen-containing carbon spheres. Journal of Colloid and Interface Science, 2019, 549, 162-170.	9.4	14
58	Development of nickel-incorporated MCM-41@carbon composites and their application in nitrophenol reduction. Journal of Materials Chemistry A, 2019, 7, 9618-9628.	10.3	43
59	Development of activated graphene-MOF composites for H ₂ and CH ₄ adsorption. Adsorption, 2019, 25, 521-528.	3.0	10
60	Multi-shell hollow structured Sb ₂ S ₃ for sodium-ion batteries with enhanced energy density. Nano Energy, 2019, 60, 591-599.	16.0	136
61	Syngas production from electrocatalytic CO ₂ reduction with high energetic efficiency and current density. Journal of Materials Chemistry A, 2019, 7, 7675-7682.	10.3	62
62	Cocatalysts for Selective Photoreduction of CO ₂ into Solar Fuels. Chemical Reviews, 2019, 119, 3962-4179.	47.7	1,591
63	Nickel-based materials for supercapacitors. Materials Today, 2019, 25, 35-65.	14.2	247
64	Evaporation-induced self-assembly synthesis of nanostructured alumina-based mixed metal oxides with tailored porosity. Journal of Colloid and Interface Science, 2019, 537, 725-735.	9.4	18
65	Charge-Redistribution-Enhanced Nanocrystalline Ru@IrO _x Electrocatalysts for Oxygen Evolution in Acidic Media. Chem, 2019, 5, 445-459.	11.7	354
66	Ultrahigh benzene adsorption capacity of graphene-MOF composite fabricated via MOF crystallization in 3D mesoporous graphene. Microporous and Mesoporous Materials, 2019, 279, 387-394.	4.4	52
67	Copper benzene-1,3,5-tricarboxylate (Cu-BTC) metal-organic framework (MOF) and porous carbon composites as efficient carbon dioxide adsorbents. Journal of Colloid and Interface Science, 2019, 535, 122-132.	9.4	85
68	Benzene adsorption on synthesized and commercial metal-organic frameworks. Journal of Porous Materials, 2019, 26, 775-783.	2.6	23
69	A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation. Angewandte Chemie - International Edition, 2018, 57, 6814-6818.	13.8	183
70	A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation. Angewandte Chemie, 2018, 130, 6930-6934.	2.0	21
71	Activated polypyrrole-derived carbon spheres for superior CO ₂ uptake at ambient conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 147-154.	4.7	25
72	Titelbild: A Regularly Channeled Lamellar Membrane for Unparalleled Water and Organics Permeation (Angew. Chem. 23/2018). Angewandte Chemie, 2018, 130, 6819-6819.	2.0	2

#	ARTICLE	IF	CITATIONS
73	Capture of Iodide by Bismuth Vanadate and Bismuth Oxide: An Insight into the Process and its Aftermath. <i>ChemSusChem</i> , 2018, 11, 1486-1493.	6.8	19
74	Application of novel hierarchical niobium-containing zeolites for synthesis of alkyl lactate and lactic acid. <i>Journal of Colloid and Interface Science</i> , 2018, 516, 379-383.	9.4	24
75	Activated carbon derived from chitin aerogels: preparation and CO ₂ adsorption. <i>Cellulose</i> , 2018, 25, 1911-1920.	4.9	40
76	Cocatalysts in Semiconductor-based Photocatalytic CO ₂ Reduction: Achievements, Challenges, and Opportunities. <i>Advanced Materials</i> , 2018, 30, 1704649.	21.0	1,034
77	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8540-8544.	13.8	170
78	Toward designing semiconductor-semiconductor heterojunctions for photocatalytic applications. <i>Applied Surface Science</i> , 2018, 430, 2-17.	6.1	211
79	Highly porous carbons obtained by activation of polypyrrole/reduced graphene oxide as effective adsorbents for CO ₂ , H ₂ and C ₆ H ₆ . <i>Journal of Porous Materials</i> , 2018, 25, 621-627.	2.6	28
80	A flexible bio-inspired H ₂ -production photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 148-160.	20.2	146
81	Gas adsorption properties of hybrid graphene-MOF materials. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 801-813.	9.4	143
82	2nd international workshop on graphene and C ₃ N ₄ -based photocatalysts. <i>Applied Surface Science</i> , 2018, 430, 1.	6.1	1
83	One-Pot Synthesis of MeAl ₂ O ₄ (Me = Ni, Co, or Cu) Supported on γ-Al ₂ O ₃ with Ultralarge Mesopores: Enhancing Interfacial Defects in γ-Al ₂ O ₃ To Facilitate the Formation of Spinel Structures at Lower Temperatures. <i>Chemistry of Materials</i> , 2018, 30, 436-446.	6.7	58
84	Facile formation of metallic bismuth/bismuth oxide heterojunction on porous carbon with enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 82-91.	9.4	65
85	Effect of graphene oxide on the adsorption properties of ordered mesoporous carbons toward H ₂ , C ₆ H ₆ , CH ₄ and CO ₂ . <i>Microporous and Mesoporous Materials</i> , 2018, 261, 105-110.	4.4	41
86	Submicroreactors: The Development of Yolk-Shell-Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability (<i>Adv. Funct. Mater.</i> 32/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870227.	14.9	1
87	Effect of metal-ligand ratio on the CO ₂ adsorption properties of Cu-BTC metal-organic frameworks. <i>RSC Advances</i> , 2018, 8, 35551-35556.	3.6	24
88	Development of Alumina-Mesoporous Organosilica Hybrid Materials for Carbon Dioxide Adsorption at 25 °C. <i>Materials</i> , 2018, 11, 2301.	2.9	15
89	Atomic-level structure engineering of metal oxides for high-rate oxygen intercalation pseudocapacitance. <i>Science Advances</i> , 2018, 4, eaau6261.	10.3	164
90	A boron imidazolate framework with mechanochromic and electrocatalytic properties. <i>Materials Horizons</i> , 2018, 5, 1151-1155.	12.2	44

#	ARTICLE	IF	CITATIONS
91	2D-NLDFT adsorption models for porous oxides with corrugated cylindrical pores. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 588-597.	9.4	22
92	Hollow mesoporous organosilica nanospheres templated with flower-like micelles of pentablock copolymers. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 124-134.	9.4	22
93	Direct Z-scheme photocatalysts: Principles, synthesis, and applications. <i>Materials Today</i> , 2018, 21, 1042-1063.	14.2	1,134
94	The Development of Yolk-Shell Structured Pd&ZnO@Carbon Submicroreactors with High Selectivity and Stability. <i>Advanced Functional Materials</i> , 2018, 28, 1801737.	14.9	78
95	Ultrathin Titanate Nanosheets/Graphene Films Derived from Confined Transformation for Excellent Na/K Ion Storage. <i>Angewandte Chemie</i> , 2018, 130, 8676-8680.	2.0	36
96	Importance of surface modification of γ -alumina in creating its nanostructured composites with zeolitic imidazolate framework ZIF-67. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 497-504.	9.4	31
97	In Situ Synthesis of Nitrogen-Enriched Activated Carbons from <i>Procambarus clarkii</i> Shells with Enhanced CO_2 Adsorption Performance. <i>Energy & Fuels</i> , 2018, 32, 9701-9710.	5.1	23
98	Tailoring surface and structural properties of composite materials by coupling Pt-decorated graphene oxide and ZIF-8-derived carbon. <i>Applied Surface Science</i> , 2018, 459, 760-766.	6.1	12
99	One-Pot Synthesis of Mesoporous Ni-Ti-Al Ternary Oxides: Highly Active and Selective Catalysts for Steam Reforming of Ethanol. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6079-6092.	8.0	44
100	Heterojunction Photocatalysts. <i>Advanced Materials</i> , 2017, 29, 1601694.	21.0	3,143
101	Fabrication of core-shell, yolk-shell and hollow Fe_3O_4 @carbon microboxes for high-performance lithium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 823-830.	5.9	58
102	Design and synthesis of porous $\text{ZnTiO}_3/\text{TiO}_2$ nanocages with heterojunctions for enhanced photocatalytic H_2 production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11615-11622.	10.3	54
103	From waste Coca Cola® to activated carbons with impressive capabilities for CO_2 adsorption and supercapacitors. <i>Carbon</i> , 2017, 116, 490-499.	10.3	188
104	$\text{Na}_2\text{Ti}_3\text{O}_7$ @N-Doped Carbon Hollow Spheres for Sodium-Ion Batteries with Excellent Rate Performance. <i>Advanced Materials</i> , 2017, 29, 1700989.	21.0	275
105	SBA-15 templating synthesis of mesoporous bismuth oxide for selective removal of iodide. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 248-255.	9.4	26
106	Self-Templating Synthesis of Hollow Co_3O_4 Microtube Arrays for Highly Efficient Water Electrolysis. <i>Angewandte Chemie</i> , 2017, 129, 1344-1348.	2.0	79
107	Self-Templating Synthesis of Hollow Co_3O_4 Microtube Arrays for Highly Efficient Water Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1324-1328.	13.8	648
108	Tetraethyl orthosilicate-assisted synthesis of nitrogen-containing porous carbon spheres. <i>Carbon</i> , 2017, 121, 408-417.	10.3	41

#	ARTICLE	IF	CITATIONS
109	Effect of microstructure and surface hydroxyls on the catalytic activity of Au/AlOOH for formaldehyde removal at room temperature. Journal of Colloid and Interface Science, 2017, 501, 164-174.	9.4	76
110	Engineering High-Energy Interfacial Structures for High-Performance Oxygen-Involving Electrocatalysis. Angewandte Chemie - International Edition, 2017, 56, 8539-8543.	13.8	314
111	Engineering High-Energy Interfacial Structures for High-Performance Oxygen-Involving Electrocatalysis. Angewandte Chemie, 2017, 129, 8659-8663.	2.0	36
112	Amidoxime-functionalized nanocrystalline cellulose-mesoporous silica composites for carbon dioxide sorption at ambient and elevated temperatures. Journal of Materials Chemistry A, 2017, 5, 7462-7473.	10.3	42
113	Facet effect of Pd cocatalyst on photocatalytic CO ₂ reduction over g-C ₃ N ₄ . Journal of Catalysis, 2017, 349, 208-217.	6.2	332
114	Gas adsorption properties of graphene-based materials. Advances in Colloid and Interface Science, 2017, 243, 46-59.	14.7	106
115	Atomically and Electronically Coupled Pt and CoO Hybrid Nanocatalysts for Enhanced Electrocatalytic Performance. Advanced Materials, 2017, 29, 1604607.	21.0	224
116	Titelbild: Self-Templating Synthesis of Hollow Co ₃ O ₄ Microtube Arrays for Highly Efficient Water Electrolysis (Angew. Chem. 5/2017). Angewandte Chemie, 2017, 129, 1181-1181.	2.0	2
117	Preparation of highly ordered mesoporous ethane-silicas under weakly acidic conditions and their hydrothermal stability. Journal of Materials Chemistry A, 2017, 5, 21378-21388.	10.3	6
118	Dendritic porous yolk-ordered mesoporous shell structured heterogeneous nanocatalysts with enhanced stability. Journal of Materials Chemistry A, 2017, 5, 21560-21569.	10.3	53
119	Defect formation in metal-organic frameworks initiated by the crystal growth-rate and effect on catalytic performance. Journal of Catalysis, 2017, 354, 84-91.	6.2	72
120	Dual optimization of microporosity in carbon spheres for CO ₂ adsorption by using pyrrole as the carbon precursor and potassium salt as the activator. Journal of Materials Chemistry A, 2017, 5, 19456-19466.	10.3	27
121	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. Nature Communications, 2017, 8, 1509.	12.8	361
122	Molecular Scaffolding Strategy with Synergistic Active Centers To Facilitate Electrocatalytic CO ₂ Reduction to Hydrocarbon/Alcohol. Journal of the American Chemical Society, 2017, 139, 18093-18100.	13.7	439
123	Ultra-thin nanosheet assemblies of graphitic carbon nitride for enhanced photocatalytic CO ₂ reduction. Journal of Materials Chemistry A, 2017, 5, 3230-3238.	10.3	621
124	Tailoring porosity in carbon spheres for fast carbon dioxide adsorption. Journal of Colloid and Interface Science, 2017, 487, 162-174.	9.4	28
125	Hollow Carbon Nanospheres with Tunable Hierarchical Pores for Drug, Gene, and Photothermal Synergistic Treatment. Small, 2017, 13, 1602592.	10.0	111
126	Energy and environmental photocatalytic materials. Applied Surface Science, 2017, 391, 71.	6.1	11

#	ARTICLE	IF	CITATIONS
127	Enhanced formaldehyde oxidation on CeO ₂ /AlOOH-supported Pt catalyst at room temperature. Applied Catalysis B: Environmental, 2016, 199, 458-465.	20.2	142
128	Significant Enhancement of Water Splitting Activity of Nâ€Carbon Electrocatalyst by Trace Level Co Doping. Small, 2016, 12, 3703-3711.	10.0	111
129	Revisiting the St��ber method: Design of nitrogen-doped porous carbon spheres from molecular precursors of different chemical structures. Journal of Colloid and Interface Science, 2016, 476, 55-61.	9.4	30
130	Mesoporous Alumina with Amidoxime Groups for CO ₂ Sorption at Ambient and Elevated Temperatures. Industrial & Engineering Chemistry Research, 2016, 55, 5598-5607.	3.7	27
131	Polymer-templated mesoporous hybrid oxides of Al and Cu: highly porous sorbents for ammonia. RSC Advances, 2016, 6, 38662-38670.	3.6	3
132	Synthesis of Porous Crystalline Doped Titania Photocatalysts Using Modified Precursor Strategy. Chemistry of Materials, 2016, 28, 7878-7888.	6.7	23
133	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. Journal of the American Chemical Society, 2016, 138, 16174-16181.	13.7	852
134	Synthesis and applications of porous non-silica metal oxide submicrospheres. Chemical Society Reviews, 2016, 45, 6013-6047.	38.1	147
135	Engineering surface atomic structure of single-crystal cobalt (II) oxide nanorods for superior electrocatalysis. Nature Communications, 2016, 7, 12876.	12.8	568
136	Interacting Carbon Nitride and Titanium Carbide Nanosheets for Highâ€Performance Oxygen Evolution. Angewandte Chemie, 2016, 128, 1150-1154.	2.0	96
137	Interacting Carbon Nitride and Titanium Carbide Nanosheets for Highâ€Performance Oxygen Evolution. Angewandte Chemie - International Edition, 2016, 55, 1138-1142.	13.8	597
138	Determination of the Electron Transfer Number for the Oxygen Reduction Reaction: From Theory to Experiment. ACS Catalysis, 2016, 6, 4720-4728.	11.2	513
139	Mesoporous calcium oxideâ€silica and magnesium oxideâ€silica composites for CO ₂ capture at ambient and elevated temperatures. Journal of Materials Chemistry A, 2016, 4, 10914-10924.	10.3	44
140	Amine-modified silica nanotubes and nanospheres: synthesis and CO ₂ sorption properties. Environmental Science: Nano, 2016, 3, 806-817.	4.3	26
141	Microwave-assisted single-surfactant templating synthesis of mesoporous zeolites. RSC Advances, 2016, 6, 54956-54963.	3.6	10
142	Developing microporosity in Kevlar�-derived carbon fibers by CO ₂ activation for CO ₂ adsorption. Journal of CO ₂ Utilization, 2016, 16, 17-22.	6.8	43
143	Triconstituent co-assembly synthesis of N,S-doped carbonâ€silica nanospheres with smooth and rough surfaces. Journal of Materials Chemistry A, 2016, 4, 3721-3727.	10.3	35
144	Surface activated carbon nitride nanosheets with optimized electro-optical properties for highly efficient photocatalytic hydrogen production. Journal of Materials Chemistry A, 2016, 4, 2445-2452.	10.3	121

#	ARTICLE	IF	CITATIONS
145	Room-temperature catalytic oxidation of formaldehyde on catalysts. Catalysis Science and Technology, 2016, 6, 3649-3669.	4.1	197
146	Yolkâ€“Shellâ€“Structured Aluminum Phenylphosphonate Microspheres with Anionic Core and Cationic Shell. Advanced Science, 2016, 3, 1500363.	11.2	23
147	Aqueous synthesis of bimodal mesoporous carbons and carbon-silica mesostructures under basic conditions. Microporous and Mesoporous Materials, 2016, 226, 299-308.	4.4	9
148	A synthetic strategy for carbon nanospheres impregnated with highly monodispersed metal nanoparticles. NPG Asia Materials, 2016, 8, e240-e240.	7.9	66
149	Preparation and adsorption properties of aerocellulose-derived activated carbon monoliths. Cellulose, 2016, 23, 1363-1374.	4.9	36
150	Amidoxime-functionalized microcrystalline celluloseâ€“mesoporous silica composites for carbon dioxide sorption at elevated temperatures. Journal of Materials Chemistry A, 2016, 4, 4808-4819.	10.3	33
151	Hierarchical photocatalysts. Chemical Society Reviews, 2016, 45, 2603-2636.	38.1	1,517
152	Carbon-based two-dimensional layered materials for photocatalytic CO ₂ reduction to solar fuels. Energy Storage Materials, 2016, 3, 24-35.	18.0	178
153	Equilibrium isotherms and isosteric heat for CO ₂ adsorption on nanoporous carbons from polymers. Adsorption, 2016, 22, 581-588.	3.0	23
154	Development of mesoporous magnesium oxideâ€“alumina composites for CO ₂ capture. Journal of CO ₂ Utilization, 2016, 13, 114-118.	6.8	25
155	Benzene and Methane Adsorption on Ultrahigh Surface Area Carbons Prepared from Sulphonated Styrene Divinylbenzene Resin by KOH Activation. Adsorption Science and Technology, 2015, 33, 587-594.	3.2	27
156	Nitrogenâ€“Doped Carbon Electrocatalysts Decorated with Transition Metals for the Oxygen Reduction Reaction. ChemCatChem, 2015, 7, 3808-3817.	3.7	69
157	Softâ€“Templating Synthesis of <i>N</i> -Doped Mesoporous Carbon Nanospheres for Enhanced Oxygen Reduction Reaction. Chemistry - an Asian Journal, 2015, 10, 1546-1553.	3.3	57
158	TiO ₂ Photocatalytic Materials 2014. International Journal of Photoenergy, 2015, 2015, 1-2.	2.5	0
159	Porous C ₃ N ₄ Nanolayers@N-Graphene Films as Catalyst Electrodes for Highly Efficient Hydrogen Evolution. ACS Nano, 2015, 9, 931-940.	14.6	655
160	Design of electrocatalysts for oxygen- and hydrogen-involving energy conversion reactions. Chemical Society Reviews, 2015, 44, 2060-2086.	38.1	4,323
161	Selective Ion Exchange Governed by the Irvingâ€“Williams Series in K ₂ Zn ₃ [Fe(CN) ₆] ₂ Nanoparticles: Toward a Designer Prodrug for Wilsonâ€™s Disease. Inorganic Chemistry, 2015, 54, 1212-1214.	4.0	33
162	Highâ€“Performance Sodium Ion Batteries Based on a 3D Anode from Nitrogenâ€“Doped Graphene Foams. Advanced Materials, 2015, 27, 2042-2048.	21.0	812

#	ARTICLE	IF	CITATIONS
163	Ordered mesoporous carbon–titania composites and their enhanced photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 297-303.	9.4	15
164	Template-free synthesis of hierarchical Al_2O_3 nanostructures and their adsorption affinity toward phenol and CO_2 . <i>RSC Advances</i> , 2015, 5, 7066-7073.	3.6	31
165	Polymeric Photocatalysts Based on Graphitic Carbon Nitride. <i>Advanced Materials</i> , 2015, 27, 2150-2176.	21.0	3,046
166	Scaffold-assisted synthesis of crystalline mesoporous titania materials. <i>RSC Advances</i> , 2015, 5, 61960-61972.	3.6	6
167	Heteroatom-Doped Graphene-Based Materials for Energy-Relevant Electrocatalytic Processes. <i>ACS Catalysis</i> , 2015, 5, 5207-5234.	11.2	800
168	Dual-dehydrogenation-promoted catalytic oxidation of formaldehyde on alkali-treated Pt clusters at room temperature. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10432-10438.	10.3	48
169	Molecular-based design and emerging applications of nanoporous carbon spheres. <i>Nature Materials</i> , 2015, 14, 763-774.	27.5	838
170	Effect of activating agents on the development of microporosity in polymeric-based carbon for CO_2 adsorption. <i>Carbon</i> , 2015, 94, 673-679.	10.3	80
171	Biocompatible D -penicillamine conjugated Au nanoparticles: targeting intracellular free copper ions for detoxification. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5553-5559.	5.8	11
172	Synthesis of mesoporous silica-tethered phosphonic acid sorbents for uranium species from aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 1-8.	4.7	39
173	CO_2 Adsorption on Amine-Functionalized Periodic Mesoporous Benzenesilicas. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6792-6802.	8.0	96
174	Amidoxime-modified mesoporous silica for uranium adsorption under seawater conditions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11650-11659.	10.3	177
175	Adsorption Properties of Activated Carbons Prepared from Waste CDs and DVDs. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 733-742.	6.7	73
176	Highly Active Mesoporous Ferrihydrite Supported Pt Catalyst for Formaldehyde Removal at Room Temperature. <i>Environmental Science & Technology</i> , 2015, 49, 6637-6644.	10.0	171
177	Solution combustion synthesis of metal oxide nanomaterials for energy storage and conversion. <i>Nanoscale</i> , 2015, 7, 17590-17610.	5.6	312
178	Adsorption of Lead Ions from Aqueous Phase on Mesoporous Silica with P-Containing Pendant Groups. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23144-23152.	8.0	47
179	Ionic liquid-assisted synthesis of N/S-double doped graphene microwires for oxygen evolution and Zn–air batteries. <i>Energy Storage Materials</i> , 2015, 1, 17-24.	18.0	67
180	Phosphorus-Doped Graphitic Carbon Nitrides Grown In Situ on Carbon Fiber Paper: Flexible and Reversible Oxygen Electrodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4646-4650.	13.8	722

#	ARTICLE	IF	CITATIONS
181	Mesoporous alumina–zirconia–organosilica composites for CO ₂ capture at ambient and elevated temperatures. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2707-2716.	10.3	25
182	Potassium salt-assisted synthesis of highly microporous carbon spheres for CO ₂ adsorption. <i>Carbon</i> , 2015, 82, 297-303.	10.3	126
183	Semiconductor-based photocatalytic CO ₂ conversion. <i>Materials Horizons</i> , 2015, 2, 261-278.	12.2	380
184	Advancing the Electrochemistry of the Hydrogen–Evolution Reaction through Combining Experiment and Theory. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 52-65.	13.8	1,616
185	Catalytic activity of CeVO ₂ /Ce ₂ VO ₃ -silica mesoporous composite materials for oxidation and esterification reactions. <i>Chemical Engineering Journal</i> , 2015, 262, 1116-1125.	12.7	20
186	Efficient catalytic removal of formaldehyde at room temperature using AlOOH nanoflakes with deposited Pt. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 306-312.	20.2	199
187	Nitrogen and Oxygen Dual-Doped Carbon Hydrogel Film as a Substrate-Free Electrode for Highly Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2014, 26, 2925-2930.	21.0	594
188	Preparation of porous nanocarbons with tunable morphology and pore size from copolymer templated precursors. <i>Materials Horizons</i> , 2014, 1, 121-124.	12.2	34
189	Tailoring microporosity and nitrogen content in carbons for achieving high uptake of CO ₂ at ambient conditions. <i>Adsorption</i> , 2014, 20, 287-293.	3.0	33
190	Origin of the Electrocatalytic Oxygen Reduction Activity of Graphene-Based Catalysts: A Roadmap to Achieve the Best Performance. <i>Journal of the American Chemical Society</i> , 2014, 136, 4394-4403.	13.7	946
191	Hydrogen evolution by a metal-free electrocatalyst. <i>Nature Communications</i> , 2014, 5, 3783.	12.8	1,851
192	Mesoporous MnCo ₂ O ₄ with abundant oxygen vacancy defects as high-performance oxygen reduction catalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8676-8682.	10.3	227
193	Nitrogen Enriched Porous Carbon Spheres: Attractive Materials for Supercapacitor Electrodes and CO ₂ Adsorption. <i>Chemistry of Materials</i> , 2014, 26, 2820-2828.	6.7	539
194	Microporosity development in phenolic resin-based mesoporous carbons for enhancing CO ₂ adsorption at ambient conditions. <i>Applied Surface Science</i> , 2014, 289, 592-600.	6.1	28
195	Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting. <i>Chemical Society Reviews</i> , 2014, 43, 7787-7812.	38.1	2,125
196	Synthesis of amino-functionalized mesoporous alumina with enhanced affinity towards Cr(VI) and CO ₂ . <i>Chemical Engineering Journal</i> , 2014, 239, 207-215.	12.7	123
197	Development of mesoporosity in carbon spheres obtained by Stober method. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 197-203.	4.4	18
198	A noble metal-free reduced graphene oxide–CdS nanorod composite for the enhanced visible-light photocatalytic reduction of CO ₂ to solar fuel. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3407.	10.3	499

#	ARTICLE	IF	CITATIONS
199	Highly microporous polymer-based carbons for CO ₂ and H ₂ adsorption. RSC Advances, 2014, 4, 14795.	3.6	23
200	A highly efficient and extremely selective intracellular copper detoxifying agent based on nanoparticles of ZnMoS ₄ . Journal of Materials Chemistry B, 2014, 2, 257-261.	5.8	9
201	Facile synthesis of polymer and carbon spheres decorated with highly dispersed metal nanoparticles. Chemical Communications, 2014, 50, 12341-12343.	4.1	16
202	Force field for ZIF-8 flexible frameworks: atomistic simulation of adsorption, diffusion of pure gases as CH ₄ , H ₂ , CO ₂ and N ₂ . RSC Advances, 2014, 4, 16503-16511.	3.6	64
203	Microemulsion-Assisted Synthesis of Mesoporous Aluminum Oxyhydroxide Nanoflakes for Efficient Removal of Gaseous Formaldehyde. ACS Applied Materials & Interfaces, 2014, 6, 2111-2117.	8.0	78
204	Mn-Doped Ordered Mesoporous Ceria-Silica Composites and Their Catalytic Properties toward Biofuel Production. Journal of Physical Chemistry C, 2014, 118, 15892-15901.	3.1	23
205	Synthesis of Highly Active and Stable Spinel-Type Oxygen Evolution Electrocatalysts by a Rapid Inorganic Self-templating Method. Chemistry - A European Journal, 2014, 20, 12669-12676.	3.3	42
206	Saran-Derived Carbons for CO ₂ and Benzene Sorption at Ambient Conditions. Industrial & Engineering Chemistry Research, 2014, 53, 15383-15388.	3.7	15
207	Microwave-assisted and conventional hydrothermal synthesis of ordered mesoporous silicas with P-containing functionalities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 459, 4-10.	4.7	19
208	All-Solid-State Z-Scheme Photocatalytic Systems. Advanced Materials, 2014, 26, 4920-4935.	21.0	1,989
209	Metal-Organic Framework Derived Hybrid Co ₃ O ₄ -Carbon Porous Nanowire Arrays as Reversible Oxygen Evolution Electrodes. Journal of the American Chemical Society, 2014, 136, 13925-13931.	13.7	1,744
210	Enhanced Photocatalytic CO ₂ -Reduction Activity of Anatase TiO ₂ by Coexposed {001} and {101} Facets. Journal of the American Chemical Society, 2014, 136, 8839-8842.	13.7	1,701
211	Toward Design of Synergistically Active Carbon-Based Catalysts for Electrocatalytic Hydrogen Evolution. ACS Nano, 2014, 8, 5290-5296.	14.6	947
212	Mesoporous Organosilica with Amidoxime Groups for CO ₂ Sorption. ACS Applied Materials & Interfaces, 2014, 6, 13069-13078.	8.0	38
213	Deactivation and regeneration of Pt/TiO ₂ nanosheet-type catalysts with exposed (001) facets for room temperature oxidation of formaldehyde. Journal of Molecular Catalysis A, 2014, 390, 7-13.	4.8	64
214	Graphitic Carbon Nitride Nanosheet-Carbon Nanotube Three-Dimensional Porous Composites as High-Performance Oxygen Evolution Electrocatalysts. Angewandte Chemie - International Edition, 2014, 53, 7281-7285.	13.8	737
215	Mesoporous hybrid material composed of Mn ₃ O ₄ nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. Chemical Communications, 2013, 49, 7705-7707.	4.1	241
216	Microwave-Assisted Synthesis of Porous Carbon-Titania and Highly Crystalline Titania Nanostructures. ACS Applied Materials & Interfaces, 2013, 5, 1948-1954.	8.0	20

#	ARTICLE	IF	CITATIONS
217	Coconut shell-based microporous carbons for CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 280-283.	4.4	161
218	N-doped graphene film-confined nickel nanoparticles as a highly efficient three-dimensional oxygen evolution electrocatalyst. <i>Energy and Environmental Science</i> , 2013, 6, 3693.	30.8	309
219	Three-dimensional N-doped Graphene Hydrogel/NiCo Double Hydroxide Electrocatalysts for Highly Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13567-13570.	13.8	547
220	Toward Tunable Adsorption Properties, Structure, and Crystallinity of Titania Obtained by Block Copolymer and Scaffold-Assisted Templating. <i>Langmuir</i> , 2013, 29, 12549-12559.	3.5	20
221	AlSb thin films as negative electrodes for Li-ion and Na-ion batteries. <i>Journal of Power Sources</i> , 2013, 243, 699-705.	7.8	89
222	Structural Stability of Si-C Bonds in Periodic Mesoporous Thiophene-Silicas Prepared under Acidic Conditions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21441-21449.	3.1	8
223	Surfactant-assisted synthesis of mesoporous silica/ceria-silica composites with high cerium content under basic conditions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12595.	10.3	25
224	Phenolic resin-based carbons with ultra-large mesopores prepared in the presence of poly(ethylene terephthalate). <i>Carbon</i> , 2013, 51, 45-51.	10.3	37
225	Importance of small micropores in CO ₂ capture by phenolic resin-based activated carbon spheres. <i>Journal of Materials Chemistry A</i> , 2013, 1, 112-116.	10.3	383
226	Ionic-Liquid-Assisted Synthesis of Uniform Fluorinated B/C-codoped TiO ₂ Nanocrystals and Their Enhanced Visible-Light Photocatalytic Activity. <i>Chemistry - A European Journal</i> , 2013, 19, 2433-2441.	3.3	147
227	Hierarchically porous graphene-based hybrid electrodes with excellent electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9409.	10.3	64
228	Development of microporous carbons for CO ₂ capture by KOH activation of African palm shells. <i>Journal of CO₂ Utilization</i> , 2013, 2, 35-38.	6.8	122
229	Colloidal templating synthesis and adsorption characteristics of microporous-mesoporous carbons from Kraft lignin. <i>Carbon</i> , 2013, 62, 233-239.	10.3	46
230	Two-step Boron and Nitrogen Doping in Graphene for Enhanced Synergistic Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3110-3116.	13.8	863
231	Enhanced Performance of NaOH-Modified Pt/TiO ₂ toward Room Temperature Selective Oxidation of Formaldehyde. <i>Environmental Science & Technology</i> , 2013, 47, 2777-2783.	10.0	355
232	Activated Carbon Spheres for CO ₂ Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1849-1855.	8.0	402
233	Organic acid-assisted soft-templating synthesis of ordered mesoporous carbons. <i>Adsorption</i> , 2013, 19, 563-569.	3.0	15
234	Graphitic Mesoporous Carbons with Embedded Prussian Blue-Derived Iron Oxide Nanoparticles Synthesized by Soft Templating and Low-Temperature Graphitization. <i>Chemistry of Materials</i> , 2013, 25, 2803-2811.	6.7	67

#	ARTICLE	IF	CITATIONS
235	Cysteine-Assisted Tailoring of Adsorption Properties and Particle Size of Polymer and Carbon Spheres. <i>Langmuir</i> , 2013, 29, 4032-4038.	3.5	48
236	Mesoporous isocyanurate-containing organosilica-alumina composites and their thermal treatment in nitrogen for carbon dioxide sorption at elevated temperatures. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8244.	10.3	23
237	Enhanced and suppressed effects of ionic liquid on the photocatalytic activity of TiO ₂ . <i>Adsorption</i> , 2013, 19, 557-561.	3.0	51
238	Post-synthesis surface-modified silicas as adsorbents for heavy metal ion contaminants Cd(II), Cu(II), Cr(III), and Sr(II) in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2013, 392, 57-64.	9.4	32
239	Enhancement of CO ₂ adsorption on phenolic resin-based mesoporous carbons by KOH activation. <i>Carbon</i> , 2013, 65, 334-340.	10.3	130
240	Standard nitrogen adsorption data for γ -alumina and their use for characterization of mesoporous alumina-based materials. <i>Adsorption</i> , 2013, 19, 475-481.	3.0	13
241	Hierarchically Macro-Mesoporous Pt/ γ -Al ₂ O ₃ Composite Microspheres for Efficient Formaldehyde Oxidation at Room Temperature. <i>Scientific Reports</i> , 2013, 3, 3215.	3.3	122
242	TiO ₂ Photocatalytic Materials 2013. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-2.	2.5	2
243	Estimating Pore-Size Distributions of Moderately Hydrophobic Mesoporous Solids. <i>Adsorption Science and Technology</i> , 2013, 31, 153-164.	3.2	4
244	Photocatalytic Materials. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-5.	2.5	10
245	Chemically Modified Mesoporous Silicas and Organosilicas for Adsorption and Detection of Heavy Metal Ions. , 2012, , 227-260.		1
246	Effect of acid concentration on pore size in polymer-templated mesoporous alumina. <i>Journal of Materials Chemistry</i> , 2012, 22, 86-92.	6.7	43
247	Graphitic carbon nitride materials: controllable synthesis and applications in fuel cells and photocatalysis. <i>Energy and Environmental Science</i> , 2012, 5, 6717.	30.8	1,552
248	Poly(ethylene oxide)-Poly(butylene oxide)-Poly(ethylene oxide)-Templated Synthesis of Mesoporous Alumina: Effect of Triblock Copolymer and Acid Concentration. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3738-3744.	8.0	15
249	Abstract: Sulfur and Nitrogen Dual-Doped Mesoporous Graphene Electrocatalyst for Oxygen Reduction with Synergistically Enhanced Performance (<i>Angew. Chem.</i> 46/2012). <i>Angewandte Chemie</i> , 2012, 124, 11808-11808.	2.0	6
250	Sulfur and Nitrogen Dual-Doped Mesoporous Graphene Electrocatalyst for Oxygen Reduction with Synergistically Enhanced Performance. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11496-11500.	13.8	1,898
251	Benzene-Silica with Hexagonal and Cubic Ordered Mesostructures Synthesized in the Presence of Block Copolymers and Weak Acid Catalysts. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16023-16029.	3.1	12
252	Adsorption and structural properties of ordered mesoporous carbons synthesized by soft-templating in the presence of boric acid and tetraethyl orthosilicate. <i>RSC Advances</i> , 2012, 2, 1877.	3.6	14

#	ARTICLE	IF	CITATIONS
253	Synthesis, Characterization, Properties, and Applications of Nanosized Photocatalytic Materials. Journal of Nanomaterials, 2012, 2012, 1-3.	2.7	12
254	New opportunities in Stober synthesis: preparation of microporous and mesoporous carbon spheres. Journal of Materials Chemistry, 2012, 22, 12636.	6.7	120
255	Polymer-templated mesoporous carbons synthesized in the presence of nickel nanoparticles, nickel oxide nanoparticles, and nickel nitrate. Applied Surface Science, 2012, 258, 3763-3770.	6.1	22
256	Nanostructured Metal-Free Electrochemical Catalysts for Highly Efficient Oxygen Reduction. Small, 2012, 8, 3550-3566.	10.0	559
257	Electrochemically Active Nitrogen-Enriched Nanocarbons with Well-Defined Morphology Synthesized by Pyrolysis of Self-Assembled Block Copolymer. Journal of the American Chemical Society, 2012, 134, 14846-14857.	13.7	354
258	Noble Metal-Free Reduced Graphene Oxide-Zn ₂ Cd _{1-x} S Nanocomposite with Enhanced Solar Photocatalytic H ₂ -Production Performance. Nano Letters, 2012, 12, 4584-4589.	9.1	845
259	Deposition of silver nanoparticles on silica spheres and rods. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 411, 74-79.	4.7	17
260	Rattle-type Carbon-Alumina Core-Shell Spheres: Synthesis and Application for Adsorption of Organic Dyes. ACS Applied Materials & Interfaces, 2012, 4, 2174-2179.	8.0	124
261	Carbon-gold core-shell structures: formation of shells consisting of gold nanoparticles. Chemical Communications, 2012, 48, 3972.	4.1	26
262	Silica-metal core-shell nanostructures. Advances in Colloid and Interface Science, 2012, 170, 28-47.	14.7	204
263	Synergetic Effect of MoS ₂ and Graphene as Cocatalysts for Enhanced Photocatalytic H ₂ Production Activity of TiO ₂ Nanoparticles. Journal of the American Chemical Society, 2012, 134, 6575-6578.	13.7	2,245
264	Block Copolymer Templating as a Path to Porous Nanostructured Carbons with Highly Accessible Nitrogens for Enhanced (Electro)chemical Performance. Macromolecular Chemistry and Physics, 2012, 213, 1078-1090.	2.2	73
265	Graphene-based semiconductor photocatalysts. Chemical Society Reviews, 2012, 41, 782-796.	38.1	2,497
266	Facile Oxygen Reduction on a Three-Dimensionally Ordered Macroporous Graphitic C ₃ N ₄ /Carbon Composite Electrocatalyst. Angewandte Chemie - International Edition, 2012, 51, 3892-3896.	13.8	588
267	Fluorinated semiconductor photocatalysts: Tunable synthesis and unique properties. Advances in Colloid and Interface Science, 2012, 173, 35-53.	14.7	159
268	Synthesis of rod-like silica-gold core-shell structures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 393, 37-41.	4.7	13
269	Effect of cosolvent organic molecules on the adsorption and structural properties of soft-templated ordered mesoporous alumina. Journal of Colloid and Interface Science, 2012, 367, 129-134.	9.4	14
270	Soft-templating synthesis of ordered mesoporous carbons in the presence of tetraethyl orthosilicate and silver salt. Microporous and Mesoporous Materials, 2012, 156, 121-126.	4.4	19

#	ARTICLE	IF	CITATIONS
271	Tunable photocatalytic selectivity of TiO ₂ films consisted of flower-like microspheres with exposed {001} facets. Chemical Communications, 2011, 47, 4532.	4.1	250
272	Facile Synthesis of Ordered Mesoporous Alumina and Alumina-Supported Metal Oxides with Tailored Adsorption and Framework Properties. Chemistry of Materials, 2011, 23, 1147-1157.	6.7	268
273	Introduction of Bridging and Pendant Organic Groups into Mesoporous Alumina Materials. ACS Applied Materials & Interfaces, 2011, 3, 4480-4486.	8.0	6
274	Novel Nanoporous Carbons from Well-Defined Poly(styrene-co-acrylonitrile)-Grafted Silica Nanoparticles. Chemistry of Materials, 2011, 23, 2024-2026.	6.7	46
275	Rugby-like anatase titania hollow nanoparticles with enhanced photocatalytic activity. CrystEngComm, 2011, 13, 7044.	2.6	43
276	Nitrogen self-doped nanosized TiO ₂ sheets with exposed {001} facets for enhanced visible-light photocatalytic activity. Chemical Communications, 2011, 47, 6906.	4.1	342
277	Nitrogen and sulfur co-doped TiO ₂ nanosheets with exposed {001} facets: synthesis, characterization and visible-light photocatalytic activity. Physical Chemistry Chemical Physics, 2011, 13, 4853-4861.	2.8	282
278	Ni(OH) ₂ modified CdS nanorods for highly efficient visible-light-driven photocatalytic H ₂ generation. Green Chemistry, 2011, 13, 2708.	9.0	363
279	Preparation and Enhanced Visible-Light Photocatalytic H ₂ -Production Activity of Graphene/C ₃ N ₄ Composites. Journal of Physical Chemistry C, 2011, 115, 7355-7363.	3.1	1,694
280	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS-sensitized Pt/TiO ₂ nanosheets with exposed (001) facets. Physical Chemistry Chemical Physics, 2011, 13, 8915.	2.8	235
281	Nanoporous Polystyrene and Carbon Materials with Core-Shell Nanosphere-Interconnected Network Structure. Macromolecules, 2011, 44, 5846-5849.	4.8	84
282	A simple cation exchange approach to Bi-doped ZnS hollow spheres with enhanced UV and visible-light photocatalytic H ₂ -production activity. Journal of Materials Chemistry, 2011, 21, 14655.	6.7	203
283	Enhanced photocatalytic H ₂ -production activity of graphene-modified titania nanosheets. Nanoscale, 2011, 3, 3670.	5.6	742
284	A new approach to synthesis of periodic mesoporous organosilicas: taking advantage of self-assembly and reactivity of organic precursors. Journal of Materials Chemistry, 2011, 21, 6389.	6.7	15
285	Periodic Mesoporous Benzene-Silicas Prepared Using Boric Acid as Catalyst. Chemistry of Materials, 2011, 23, 1971-1976.	6.7	28
286	Fabrication and enhanced visible-light photocatalytic activity of carbon self-doped TiO ₂ sheets with exposed {001} facets. Journal of Materials Chemistry, 2011, 21, 1049-1057.	6.7	390
287	Optimization of mesoporous carbon structures for lithium-sulfur battery applications. Journal of Materials Chemistry, 2011, 21, 16603.	6.7	417
288	Anatase TiO ₂ with Dominant High-Energy {001} Facets: Synthesis, Properties, and Applications. Chemistry of Materials, 2011, 23, 4085-4093.	6.7	669

#	ARTICLE	IF	CITATIONS
289	Adsorption Properties of Micro-/Meso-Porous Carbons Obtained by Colloidal Templating and Post-Synthesis KOH Activation. <i>Adsorption Science and Technology</i> , 2011, 29, 457-465.	3.2	2
290	Adsorption and structural properties of ordered mesoporous alumina synthesized in the presence of F127 block copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 121-125.	4.7	32
291	Nanoporous Graphitic-C ₃ N ₄ @Carbon Metal-Free Electrocatalysts for Highly Efficient Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2011, 133, 20116-20119.	13.7	958
292	Effect of nonionic structure-directing agents on adsorption and structural properties of mesoporous alumina. <i>Journal of Materials Chemistry</i> , 2011, 21, 9066.	6.7	44
293	Soft-templating synthesis and adsorption properties of mesoporous carbons with embedded silver nanoparticles. <i>Adsorption</i> , 2011, 17, 461-466.	3.0	13
294	Hierarchically porous phenolic resin-based carbons obtained by block copolymer-colloidal silica templating and post-synthesis activation with carbon dioxide and water vapor. <i>Carbon</i> , 2011, 49, 154-160.	10.3	119
295	Preparation and properties of silica "gold core" shell particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 373, 167-171.	4.7	50
296	Photocatalytic hydrogen production over CuO-modified titania. <i>Journal of Colloid and Interface Science</i> , 2011, 357, 223-228.	9.4	292
297	Adsorption properties of phenolic resin-based mesoporous carbons obtained by using mixed templates of Pluronic F127 and Brij 58 or Brij 78 polymers. <i>Adsorption</i> , 2010, 16, 377-383.	3.0	13
298	Adsorption properties of ordered mesoporous silicas synthesized in the presence of block copolymer Pluronic F127 under microwave irradiation. <i>Adsorption</i> , 2010, 16, 385-396.	3.0	9
299	Development of Microporosity in Mesoporous Carbons. <i>Topics in Catalysis</i> , 2010, 53, 283-290.	2.8	16
300	Adsorption and structural properties of soft-templated mesoporous carbons obtained by carbonization at different temperatures and KOH activation. <i>Applied Surface Science</i> , 2010, 256, 5187-5190.	6.1	38
301	Further advancements in predicting adsorption equilibria using excess formalism: Calculation of adsorption excesses at the liquid/solid interface. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 504-511.	9.4	1
302	Soft-templating synthesis and properties of mesoporous alumina "titania. <i>Microporous and Mesoporous Materials</i> , 2010, 128, 180-186.	4.4	47
303	Studies of intrawall porosity in the hexagonally ordered mesostructures of SBA-15 by small angle X-ray scattering and nitrogen adsorption. <i>Applied Surface Science</i> , 2010, 256, 5311-5315.	6.1	19
304	Polymer-templated mesoporous carbons with nickel nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 362, 20-27.	4.7	13
305	Facile Hydrothermal Synthesis of Hierarchical Boehmite: Sulfate-Mediated Transformation from Nanoflakes to Hollow Microspheres. <i>Crystal Growth and Design</i> , 2010, 10, 3977-3982.	3.0	136
306	Hydrothermal Synthesis and Surface Characteristics of Novel Alpha Alumina Nanosheets with Controlled Chemical Composition. <i>Chemistry of Materials</i> , 2010, 22, 6564-6574.	6.7	31

#	ARTICLE	IF	CITATIONS
307	Editorial for themed issue on "Advanced Materials in Water Treatments", Journal of Materials Chemistry, 2010, 20, 4476.	6.7	20
308	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS quantum dots-sensitized Zn _{1-x} Cd _x S solid solution. Green Chemistry, 2010, 12, 1611.	9.0	321
309	Synthesis of Mesoporous Alumina from Boehmite in the Presence of Triblock Copolymer. ACS Applied Materials & Interfaces, 2010, 2, 588-593.	8.0	81
310	SBA-15-Supported Mixed-Metal Oxides: Partial Hydrolytic Sol-Gel Synthesis, Adsorption, and Structural Properties. ACS Applied Materials & Interfaces, 2010, 2, 134-142.	8.0	21
311	Multifunctional periodic mesoporous organosilicas with bridging groups formed via dynamic covalent chemistry. Chemical Communications, 2010, 46, 4568.	4.1	21
312	Tailoring Adsorption and Framework Properties of Mesoporous Polymeric Composites and Carbons by Addition of Organosilanes during Soft-Templating Synthesis. Journal of Physical Chemistry C, 2010, 114, 6298-6303.	3.1	28
313	Hydrogen Production by Photocatalytic Water Splitting over Pt/TiO ₂ Nanosheets with Exposed {001} Facets. Journal of Physical Chemistry C, 2010, 114, 13118-13125.	3.1	1,071
314	Tunable Photocatalytic Selectivity of Hollow TiO ₂ Microspheres Composed of Anatase Polyhedra with Exposed {001} Facets. Journal of the American Chemical Society, 2010, 132, 11914-11916.	13.7	979
315	Template-free synthesis of hierarchical spindle-like γ -Al ₂ O ₃ materials and their adsorption affinity towards organic and inorganic pollutants in water. Journal of Materials Chemistry, 2010, 20, 4587.	6.7	232
316	Mesoporous metal organic framework-boehmite and silica composites. Chemical Communications, 2010, 46, 6798.	4.1	74
317	Ordered mesoporous carbon/ γ -alumina nanosheet composites. Nanoscale, 2010, 2, 2868.	5.6	7
318	Mesoporous Carbon Materials with Ultra-Thin Pore Walls and Highly Dispersed Nickel Nanoparticles. European Journal of Inorganic Chemistry, 2009, 2009, 605-612.	2.0	21
319	Silicon beyond the valley. Nature Chemistry, 2009, 1, 166-166.	13.6	16
320	Microwave-assisted synthesis of periodic mesoporous organosilicas with ethane and disulfide groups. Microporous and Mesoporous Materials, 2009, 119, 144-149.	4.4	32
321	Preparation of mesoporous benzene-silica nanoparticles. Microporous and Mesoporous Materials, 2009, 120, 252-256.	4.4	21
322	Cage-like ordered mesoporous organosilicas with isocyanurate bridging groups: Synthesis, template removal and structural properties. Microporous and Mesoporous Materials, 2009, 118, 68-77.	4.4	19
323	Cage-like mesoporous organosilicas with isocyanurate bridging groups synthesized by soft templating with poly(ethylene oxide)-poly(butylene oxide)-poly(ethylene oxide) block copolymer. Journal of Colloid and Interface Science, 2009, 333, 354-362.	9.4	12
324	Influence of temperature, carbon precursor/copolymer ratio and acid concentration on adsorption and structural properties of mesoporous carbons prepared by soft-templating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 352, 113-117.	4.7	33

#	ARTICLE	IF	CITATIONS
325	Synthesis and properties of mesoporous carbons with high loadings of inorganic species. Carbon, 2009, 47, 3034-3040.	10.3	42
326	Bifunctional Periodic Mesoporous Organosilicas with Thiophene and Isocyanurate Bridging Groups. Langmuir, 2009, 25, 13258-13263.	3.5	26
327	Nanocasting Synthesis of Iron-Doped Mesoporous Al ³⁺ /Ti Mixed Oxides Using Ordered Mesoporous Carbon Templates. Journal of Physical Chemistry C, 2009, 113, 13565-13573.	3.1	12
328	Three-dimensional cubic (Im3m) periodic mesoporous organosilicas with benzene- and thiophene-bridging groups. Journal of Materials Chemistry, 2009, 19, 2076.	6.7	43
329	Periodic Mesoporous Benzene- and Thiophene-Silicas Prepared Using Aluminum Chloride as an Acid Catalyst: Effect of Aluminum Salt/Organosilane Ratio and Stirring Time. Journal of Physical Chemistry C, 2009, 113, 5111-5119.	3.1	12
330	Synthesis of Hierarchical Flower-like AlOOH and TiO ₂ /AlOOH Superstructures and their Enhanced Photocatalytic Properties. Journal of Physical Chemistry C, 2009, 113, 17527-17535.	3.1	198
331	Synthesis and Properties of Ordered Mesoporous Organosilicas with Vinyl and Mercaptopropyl Surface Groups: The Effect of Ligand Concentration on Pore Structure. Journal of Physical Chemistry C, 2009, 113, 4875-4884.	3.1	17
332	Synthesis of Boehmite Hollow Core/Shell and Hollow Microspheres via Sodium Tartrate-Mediated Phase Transformation and Their Enhanced Adsorption Performance in Water Treatment. Journal of Physical Chemistry C, 2009, 113, 14739-14746.	3.1	194
333	Hard vs. Soft Templating Synthesis of Mesoporous Nb ₂ O ₅ Catalysts for Oxidation Reactions. Topics in Catalysis, 2008, 49, 193-203.	2.8	19
334	Nanoporous Carbon Films from Hairy Polyacrylonitrile Grafted Colloidal Silica Nanoparticles. Advanced Materials, 2008, 20, 1516-1522.	21.0	76
335	Mesoporous carbons synthesized by soft-templating method: Determination of pore size distribution from argon and nitrogen adsorption isotherms. Microporous and Mesoporous Materials, 2008, 112, 573-579.	4.4	36
336	KOH activation of mesoporous carbons obtained by soft-templating. Carbon, 2008, 46, 1159-1161.	10.3	168
337	Argon adsorption in channel-like mesoporous carbons at 77K: Grand Canonical Monte Carlo simulations and pore size analysis. Microporous and Mesoporous Materials, 2008, 116, 665-669.	4.4	6
338	Polypyrrole-Based Nitrogen-Doped Carbon Replicas of SBA-15 and SBA-16 Containing Magnetic Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 13126-13133.	3.1	66
339	Ordered Mesoporous Alumina-Supported Metal Oxides. Journal of the American Chemical Society, 2008, 130, 15210-15216.	13.7	346
340	Monodisperse Particles of Bifunctional Periodic Mesoporous Organosilica. Journal of Physical Chemistry C, 2008, 112, 4897-4902.	3.1	36
341	Colloidal Silica Templating Synthesis of Carbonaceous Monoliths Assuring Formation of Uniform Spherical Mesopores and Incorporation of Inorganic Nanoparticles. Chemistry of Materials, 2008, 20, 1069-1075.	6.7	52
342	High temperature treatment of ordered mesoporous carbons prepared by using various carbon precursors and ordered mesoporous silica templates. New Journal of Chemistry, 2008, 32, 981.	2.8	80

#	ARTICLE	IF	CITATIONS
343	Role of Aluminum Salts in the Synthesis of Polymer-Templated Periodic Mesoporous Organosilicas. Chemistry of Materials, 2008, 20, 2468-2475.	6.7	12
344	Incorporation of Inorganic Nanoparticles into Mesoporous Carbons Synthesized by Soft Templating. Journal of Physical Chemistry C, 2008, 112, 11657-11660.	3.1	48
345	Grafting Monodisperse Polymer Chains from Concave Surfaces of Ordered Mesoporous Silicas. Macromolecules, 2008, 41, 8584-8591.	4.8	128
346	Preface to the Special Issue: Templated Materials. Chemistry of Materials, 2008, 20, 599-600.	6.7	27
347	APPLICATION OF MESOPOROUS ORGANOSILICAS WITH SULFUR- AND NITROGEN-CONTAINING LIGANDS FOR ADSORPTION OF MERCURY IONS. , 2008, , .		1
348	SBA-15 TEMPLATING SYNTHESIS AND PROPERTIES OF PYRROLE-BASED ORDERED MESOPOROUS CARBONS. , 2008, , .		0
349	SYNTHESIS OF NIOBIA NANOSTRUCTURES AND THEIR CATALYTIC AND PHOTOCATALYTIC ACTIVITY. , 2008, , .		0
350	SYNTHESIS AND CHARACTERIZATION OF PERIODIC MESOPOROUS ORGANOSILICAS WITH DISULFIDE AND MERCAPTOPROPYL GROUPS. , 2008, , .		0
351	Large Pore Volume Carbons with Uniform Mesopores and Macropores: Synthesis, Characterization, and Relations between Adsorption Parameters of Silica Templates and their Inverse Carbon Replicas. Journal of Physical Chemistry C, 2007, 111, 9742-9748.	3.1	26
352	Tailoring cage-like organosilicas with multifunctional bridging and surface groups. Studies in Surface Science and Catalysis, 2007, 165, 443-446.	1.5	2
353	Three-dimensional large pore cubic niobosilicates: direct synthesis and characterization. Studies in Surface Science and Catalysis, 2007, 165, 69-72.	1.5	1
354	Adsorption Potential Distributions for Silicas and Organosilicas. Adsorption Science and Technology, 2007, 25, 573-581.	3.2	2
355	Effects of Hydrothermal Treatment and Template Removal on the Adsorption and Structural Properties of SBA-16 Mesoporous Silica. Adsorption Science and Technology, 2007, 25, 439-449.	3.2	9
356	Periodic Mesoporous Organosilicas with Multiple Bridging Groups and Spherical Morphology. Langmuir, 2007, 23, 11844-11849.	3.5	46
357	Supercritical Fluid Growth of Porous Carbon Nanocages. Chemistry of Materials, 2007, 19, 3349-3354.	6.7	41
358	Polymer-Templated Mesoporous Organosilicas with Two Types of Multifunctional Organic Groups. Industrial & Engineering Chemistry Research, 2007, 46, 1745-1751.	3.7	38
359	Adsorption studies of thermal stability of SBA-16 mesoporous silicas. Applied Surface Science, 2007, 253, 5660-5665.	6.1	55
360	Assessment of pore structure parameters for polymer-templated mesoporous molecular sieves by means of nitrogen and argon adsorption. Applied Surface Science, 2007, 253, 5676-5681.	6.1	2

#	ARTICLE	IF	CITATIONS
361	Comparative studies of p6m siliceous mesostructures by powder X-ray diffraction and nitrogen adsorption. Applied Surface Science, 2007, 253, 5682-5687.	6.1	20
362	Applicability of classical methods of pore size analysis for MCM-41 and SBA-15 silicas. Applied Surface Science, 2007, 253, 5587-5590.	6.1	10
363	Effect of organosilane/polymer ratio on adsorption properties of periodic mesoporous ethane-silica. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 300, 235-244.	4.7	23
364	Electron microscopy and nitrogen adsorption studies of film-type carbon replicas with large pore volume synthesized by using colloidal silica and SBA-15 as templates. Carbon, 2007, 45, 2171-2177.	10.3	22
365	Partially graphitic, high-surface-area mesoporous carbons from polyacrylonitrile templated by ordered and disordered mesoporous silicas. Microporous and Mesoporous Materials, 2007, 102, 178-187.	4.4	88
366	Bimodal pore size distributions for carbons: Experimental results and computational studies. Journal of Colloid and Interface Science, 2007, 310, 205-216.	9.4	24
367	Polymer-templated organosilicas with hexagonally ordered mesopores: the effect of organosilane addition at different synthesis stages. Adsorption, 2007, 13, 323-329.	3.0	9
368	Chemically-Modified Mesoporous Silicas and Organosilicas for Adsorption and Detection of Heavy Metal Ions. , 2007, , 179-212.		4
369	ADSORPTION STUDIES OF CAGE-LIKE AND CHANNEL-LIKE ORDERED MESOPOROUS ORGANOSILICAS WITH VINYL AND MERCAPTOPROPYL SURFACE GROUPS. , 2007, , .		0
370	ADSORPTION STUDIES OF SBA-15 MESOPOROUS SILICA WITH UREIDOPROPYL SURFACE GROUPS. , 2007, , .		0
371	Assessment of ordered and complementary pore volumes in polymer-templated mesoporous silicas and organosilicas. Chemical Communications, 2006, , 2242.	4.1	21
372	Effect of polymer-to-silica ratio on the formation of large three-dimensional cage-like mesostructures. New Journal of Chemistry, 2006, 30, 1071.	2.8	18
373	Adsorption and structural properties of mesoporous carbons obtained from mesophase pitch and phenol-formaldehyde carbon precursors using porous templates prepared from colloidal silica. Journal of Materials Chemistry, 2006, 16, 2819.	6.7	22
374	Hydrothermal stability of SBA-15 and related ordered mesoporous silicas with plugged pores. Journal of Materials Chemistry, 2006, 16, 2824.	6.7	84
375	Carbons with Extremely Large Volume of Uniform Mesopores Synthesized by Carbonization of Phenolic Resin Film Formed on Colloidal Silica Template. Journal of the American Chemical Society, 2006, 128, 10026-10027.	13.7	142
376	Temperature-Programmed Microwave-Assisted Synthesis of SBA-15 Ordered Mesoporous Silica. Journal of the American Chemical Society, 2006, 128, 14408-14414.	13.7	135
377	Effective method for removal of polymeric template from SBA-16 silica combining extraction and temperature-controlled calcination. Journal of Materials Chemistry, 2006, 16, 819-823.	6.7	72
378	Well-Defined Poly(ethylene oxide)-b-Polyacrylonitrile Diblock Copolymers as Templates for Mesoporous Silicas and Precursors for Mesoporous Carbons. Chemistry of Materials, 2006, 18, 1417-1424.	6.7	61

#	ARTICLE	IF	CITATIONS
379	Carbide-Derived Nanoporous Carbon and Novel Coreâ€”Shell Nanowires. Chemistry of Materials, 2006, 18, 753-758.	6.7	23
380	Periodic Mesoporous Organosilicas with Ethane and Large Isocyanurate Bridging Groups. Chemistry of Materials, 2006, 18, 1722-1725.	6.7	61
381	Features of Nitrogen Adsorption on Nonporous Carbon and Silica Surfaces in the Framework of Classical Density Functional Theory. Langmuir, 2006, 22, 6238-6244.	3.5	18
382	Periodic Mesoporous Organosilicas with Im3m Symmetry and Large Isocyanurate Bridging Groups. Journal of Physical Chemistry B, 2006, 110, 2972-2975.	2.6	44
383	DESIGN, SYNTHESIS AND CHARACTERIZATION OF ORDERED MESOPOROUS MATERIALS FOR ENVIRONMENTAL APPLICATIONS. , 2006, , 23-36.		4
384	Improvement of the Krukâ€”Jaroniecâ€”Sayari Method for Pore Size Analysis of Ordered Silicas with Cylindrical Mesopores. Langmuir, 2006, 22, 6757-6760.	3.5	275
385	Grand Canonical Monte Carlo Simulation Study of Hydrogen Storage in Ordered Mesoporous Carbons at 303 K. Adsorption Science and Technology, 2006, 24, 411-426.	3.2	4
386	Ordered Mesoporous Silica SBA-15: A New Effective Adjuvant to Induce Antibody Response. Small, 2006, 2, 254-256.	10.0	110
387	Organosilica the conciliator. Nature, 2006, 442, 638-640.	27.8	70
388	Co-condensation synthesis and adsorption properties of cage-like mesoporous silicas with imidazole groups. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 291, 139-147.	4.7	19
389	Comparative thermogravimetric and adsorption study of highly ordered mesoporous materials. Journal of Colloid and Interface Science, 2006, 296, 377-380.	9.4	10
390	Adsorption and structural properties of channel-like and cage-like organosilicas. Adsorption, 2006, 12, 293-308.	3.0	30
391	Two-dimensional solid state NMR characterization of physisorbed siloxane polymer (OV-225) on silica. Surface Science, 2006, 600, 143-154.	1.9	14
392	Influence of synthesis time on adsorption properties of FDU1 materials. Studies in Surface Science and Catalysis, 2005, 156, 105-112.	1.5	9
393	Synthesis and adsorption properties of periodic mesoporous organosilicas with large heterocyclic bridging groups. Studies in Surface Science and Catalysis, 2005, , 197-204.	1.5	0
394	Pitch-based carbons synthesized by using silica colloids and ordered mesoporous silica particles as templates. Studies in Surface Science and Catalysis, 2005, 156, 581-588.	1.5	1
395	Adsorption of argon and nitrogen in cylindrical pores of MCM-41 materials: application of density functional theory. Applied Surface Science, 2005, 252, 1013-1028.	6.1	16
396	Application of density functional theory to equilibrium adsorption of argon and nitrogen on amorphous silica surface. Applied Surface Science, 2005, 252, 548-561.	6.1	32

#	ARTICLE	IF	CITATIONS
397	Adsorption characterization of surfactant-templated ordered mesoporous silicas synthesized with and without hydrothermal treatment. <i>Applied Surface Science</i> , 2005, 252, 562-569.	6.1	12
398	Modeling Nitrogen Adsorption in Spherical Pores of Siliceous Materials by Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2005, 1, 653-661.	5.3	10
399	Equilibrium Adsorption in Cylindrical Mesopores: A Modified Broekhoff and de Boer Theory versus Density Functional Theory. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1947-1958.	2.6	49
400	Short-time synthesis of SBA-15 using various silica sources. <i>Journal of Colloid and Interface Science</i> , 2005, 287, 717-720.	9.4	70
401	Ordered Mesoporous Silicas with 2,5-Dimercapto-1,3,4-Thiadiazole Ligand: High Capacity Adsorbents for Mercury Ions. <i>Adsorption</i> , 2005, 11, 205-214.	3.0	43
402	Adsorption Characterization of Ordered Mesoporous Silicas with Mercury-Specific Immobilized Ligands. <i>Adsorption</i> , 2005, 11, 685-690.	3.0	19
403	Comparison of Adsorption Properties of Polymer-Templated Mesoporous Silicas with Incorporated Niobium. <i>Adsorption</i> , 2005, 11, 737-743.	3.0	1
404	Adsorption Monitoring of Hydrothermal and Thermal Stability of Polymer-Templated Mesoporous Materials. <i>Adsorption</i> , 2005, 11, 745-750.	3.0	0
405	Characterization of pore structure of copolymer-templated periodic mesoporous organosilicas. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 673-682.	1.5	1
406	Optimization of synthesis time for SBA-15 materials. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 75-82.	1.5	6
407	Optimization of silica/surfactant ratio in MCM-41 synthesis. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 55-62.	1.5	10
408	Synthesis and adsorption properties of FDU-1 silica with carbon deposited in mesopores. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 489-496.	1.5	0
409	Thermogravimetric studies of benzoylthiourea-modified MCM-41 after adsorption of mercury ions from aqueous solutions. <i>Analyst</i> , 2005, 130, 104.	3.5	7
410	Cage-like ordered silica with large mesopore volume synthesized by doubling amount of polymer, adding sodium chloride and lowering acid concentration. <i>Chemical Communications</i> , 2005, , 1076.	4.1	27
411	Bifunctional periodic mesoporous organosilica with large heterocyclic bridging groups and mercaptopropyl ligands. <i>Journal of Materials Chemistry</i> , 2005, 15, 1517.	6.7	93
412	Three-Dimensional Cubic Mesoporous Molecular Sieves of FDU-1 Containing Niobium: Dependence of Niobium Source on Structural Properties. <i>Langmuir</i> , 2005, 21, 755-760.	3.5	15
413	Synthesis of FDU-1 Silica with Narrow Pore Size Distribution and Tailorable Pore Entrance Size in the Presence of Sodium Chloride. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3838-3843.	2.6	33
414	Synthesis of Mesoporous Carbons Using Ordered and Disordered Mesoporous Silica Templates and Polyacrylonitrile as Carbon Precursor. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9216-9225.	2.6	200

#	ARTICLE	IF	CITATIONS
415	Adsorption and Structural Properties of Ordered Mesoporous Carbons Synthesized by Using Various Carbon Precursors and Ordered Siliceous P6mm and Ia31 _d Mesostructures as Templates. Journal of Physical Chemistry B, 2005, 109, 23263-23268.	2.6	92
416	Improvement of the Derjaguin-Broekhoff-de Boer Theory for the Capillary Condensation/Evaporation of Nitrogen in Spherical Cavities and Its Application for the Pore Size Analysis of Silicas with Ordered Cage-like Mesopores. Langmuir, 2005, 21, 10530-10536.	3.5	16
417	Characterization of mesoporous carbons synthesized with SBA-16 silica template. Journal of Materials Chemistry, 2005, 15, 1560.	6.7	162
418	Tailoring interfacial properties of periodic mesoporous organosilicas by incorporation of spacious heterocyclic and thiol groups and its implication for structural changes. , 2005, 5929, 176.		0
419	Fabrication and Characterization of Mesostructured Silica, HUM-1, and Its Ordered Mesoporous Carbon Replica. Industrial & Engineering Chemistry Research, 2005, 44, 4316-4322.	3.7	13
420	Periodic Mesoporous Organosilica with Large Heterocyclic Bridging Groups. Journal of the American Chemical Society, 2005, 127, 60-61.	13.7	217
421	Improvement of the Derjaguin-Broekhoff-de Boer Theory for Capillary Condensation/Evaporation of Nitrogen in Mesoporous Systems and Its Implications for Pore Size Analysis of MCM-41 Silicas and Related Materials. Langmuir, 2005, 21, 1827-1833.	3.5	40
422	Tailoring properties of SBA-15 materials by controlling conditions of hydrothermal synthesis. Journal of Materials Chemistry, 2005, 15, 5049.	6.7	133
423	Graphitized Pitch-Based Carbons with Ordered Nanopores Synthesized by Using Colloidal Crystals as Templates. Journal of the American Chemical Society, 2005, 127, 4188-4189.	13.7	252
424	Benzene Adsorption Isotherms on MCM-41 and their Use for Pore Size Analysis. Adsorption, 2004, 10, 195-203.	3.0	12
425	Al-MCM-41 sorbents for bovine serum albumin: relation between Al content and performance. Microporous and Mesoporous Materials, 2004, 75, 221-229.	4.4	43
426	Ordered mesoporous silica: microwave synthesis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 112, 106-110.	3.5	42
427	Benzoylthiourea-modified MCM-48 mesoporous silica for mercury(II) adsorption from aqueous solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 236, 69-72.	4.7	67
428	Argon and nitrogen adsorption studies of changes in connectivity of ordered cage-like large mesopores during the hydrothermal treatment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 27-34.	4.7	16
429	Exceptionally High Stability of Copolymer-Templated Ordered Silica with Large Cage-Like Mesopores. Chemistry of Materials, 2004, 16, 698-707.	6.7	63
430	Synthesis and Characterization of Polymer-Templated Mesoporous Silicas Containing Niobium. Journal of Physical Chemistry B, 2004, 108, 3722-3727.	2.6	27
431	Tailoring the Pore Structure of SBA-16 Silica Molecular Sieve through the Use of Copolymer Blends and Control of Synthesis Temperature and Time. Journal of Physical Chemistry B, 2004, 108, 11480-11489.	2.6	333
432	Mesoporous Carbons Synthesized by Imprinting Ordered and Disordered Porous Structures of Silica Particles in Mesophase Pitch. Journal of Physical Chemistry B, 2004, 108, 824-826.	2.6	77

#	ARTICLE	IF	CITATIONS
433	Colloid-Imprinted Carbons as Stationary Phases for Reversed-Phase Liquid Chromatography. <i>Analytical Chemistry</i> , 2004, 76, 5479-5485.	6.5	33
434	Novel pitch-based carbons with bimodal distribution of uniform mesopores. <i>Chemical Communications</i> , 2004, , 2576.	4.1	29
435	An improved methodology for adsorption characterization of unmodified and modified silica gels. <i>Journal of Colloid and Interface Science</i> , 2003, 266, 168-174.	9.4	25
436	Assessment of reliability of the Horvath-Kawazoe pore size analysis method using argon adsorption isotherms on ordered mesoporous silicas. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 214, 263-269.	4.7	23
437	Synthesis and Characterization of Hexagonally Ordered Carbon Nanopipes. <i>Chemistry of Materials</i> , 2003, 15, 2815-2823.	6.7	250
438	Benzoylthiourea-Modified Mesoporous Silica for Mercury(II) Removal. <i>Langmuir</i> , 2003, 19, 3031-3034.	3.5	165
439	Argon Adsorption at 77 K as a Useful Tool for the Elucidation of Pore Connectivity in Ordered Materials with Large Cage-like Mesopores. <i>Chemistry of Materials</i> , 2003, 15, 2942-2949.	6.7	148
440	Ordered Mesoporous Silica with Large Cage-Like Pores: Structural Identification and Pore Connectivity Design by Controlling the Synthesis Temperature and Time. <i>Journal of the American Chemical Society</i> , 2003, 125, 821-829.	13.7	367
441	Characterization of Regular and Plugged SBA-15 Silicas by Using Adsorption and Inverse Carbon Replication and Explanation of the Plug Formation Mechanism. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2205-2213.	2.6	184
442	Surface Modifications of Cage-like and Channel-like Mesopores and Their Implications for Evaluation of Sizes of Entrances to Cage-like Mesopores. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11900-11906.	2.6	41
443	Synthesis and Adsorption Properties of Colloid-Imprinted Carbons with Surface and Volume Mesoporosity. <i>Chemistry of Materials</i> , 2003, 15, 1327-1333.	6.7	80
444	Novel Route to Periodic Mesoporous Aminosilicas, PMAs: Ammonolysis of Periodic Mesoporous Organosilicas. <i>Journal of the American Chemical Society</i> , 2003, 125, 11662-11673.	13.7	65
445	Argon and nitrogen adsorption on ordered silicas with channel-like and cage-like mesopores: implications for characterization of porous solids. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 343-346.	1.5	2
446	Thermally induced structural changes in SBA-15 and MSU-H silicas and their implications for synthesis of ordered mesoporous carbons. <i>Studies in Surface Science and Catalysis</i> , 2003, , 49-52.	1.5	3
447	Gas adsorption: A valuable tool for the pore size analysis and pore structure elucidation of ordered mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2003, 146, 263-269.	1.5	9
448	ADSORPTION PROPERTIES OF COLLOID-IMPRINTED CARBONS. , 2003, , .		1
449	The use of ordered mesoporous materials for improving the mesopore size analysis: Current state and future. <i>Studies in Surface Science and Catalysis</i> , 2002, , 437-444.	1.5	6
450	Synthesis and characterization of methyl- and vinyl-functionalized ordered mesoporous silicas with high organic content. <i>Studies in Surface Science and Catalysis</i> , 2002, 141, 197-204.	1.5	17

#	ARTICLE	IF	CITATIONS
451	Recent developments in the synthesis and chemistry of periodic mesoporous organosilicas. <i>Studies in Surface Science and Catalysis</i> , 2002, , 1-26.	1.5	20
452	Improved Pore-Size Analysis of Carbonaceous Adsorbents. <i>Adsorption Science and Technology</i> , 2002, 20, 307-315.	3.2	34
453	Synthesis and characterization of polymer-templated ordered silica with cage-like mesostructure. <i>Studies in Surface Science and Catalysis</i> , 2002, 141, 61-68.	1.5	0
454	Synthesis and adsorption properties of novel carbons of tailored porosity. <i>Studies in Surface Science and Catalysis</i> , 2002, , 345-352.	1.5	1
455	Mesoporous SilicateâSurfactant Composites with Hydrophobic Surfaces and Tailored Pore Sizes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10096-10101.	2.6	29
456	Evidence for General Nature of Pore Interconnectivity in 2-Dimensional Hexagonal Mesoporous Silicas Prepared Using Block Copolymer Templates. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4640-4646.	2.6	208
457	Direct Synthesis of Mesostructured Lamellar Molybdenum Disulfides Using a Molten Neutraln-Alkylamine as the Solvent and Template. <i>Journal of the American Chemical Society</i> , 2002, 124, 12090-12091.	13.7	37
458	Synthesis and Properties of 1,3,5-Benzene Periodic Mesoporous Organosilica (PMO):ÂNovel Aromatic PMO with Three Point Attachments and Unique Thermal Transformations. <i>Journal of the American Chemical Society</i> , 2002, 124, 13886-13895.	13.7	146
459	Determination and Tailoring the Pore Entrance Size in Ordered Silicas with Cage-like Mesoporous Structures. <i>Journal of the American Chemical Society</i> , 2002, 124, 768-769.	13.7	121
460	Determination of Mesopore Size Distributions from Argon Adsorption Data at 77 K. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4732-4739.	2.6	101
461	1-Allyl-3-propylthiourea modified mesoporous silica for mercury removal. <i>Chemical Communications</i> , 2002, , 258-259.	4.1	129
462	High surface area graphitized carbon with uniform mesopores synthesised by a colloidal imprinting methodElectronic supplementary information (ESI) available: experimental: preparation of the graphitized colloid-impregnated carbon. See http://www.rsc.org/suppdata/cc/b2/b200702a/ . <i>Chemical Communications</i> , 2002, , 1346-1347.	4.1	59
463	Synthesis of Large-Pore Silica with Cage-Like Structure Using Sodium Silicate and Triblock Copolymer Template. <i>Langmuir</i> , 2002, 18, 884-890.	3.5	102
464	Synthesis and characterization of ordered mesoporous silicas with high loadings of methyl groups. <i>Journal of Materials Chemistry</i> , 2002, 12, 3452-3457.	6.7	40
465	Improved thermogravimetric determination of the specific surface area for cerium-incorporated MCM-41 materials. <i>Journal of Alloys and Compounds</i> , 2002, 344, 190-194.	5.5	9
466	Synthesis of an ordered macroporous carbon with 62 nm spherical pores that exhibit unique gas adsorption properties. <i>Chemical Communications</i> , 2002, , 1670-1671.	4.1	100
467	Periodic Mesoporous Organosilica with Large Cagelike Pores. <i>Chemistry of Materials</i> , 2002, 14, 1903-1905.	6.7	158
468	Determination of Phase Composition of MCM-48/Lamellar Phase Mixtures Using Nitrogen Adsorption and Thermogravimetry. <i>Chemistry of Materials</i> , 2002, 14, 4434-4442.	6.7	26

#	ARTICLE	IF	CITATIONS
469	Comparison of adsorption properties of MCM-41 materials obtained using cationic surfactants with octyl chain. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 203, 97-103.	4.7	9
470	Critical appraisal of classical methods for determination of mesopore size distributions of MCM-41 materials. Applied Surface Science, 2002, 196, 216-223.	6.1	77
471	Thermogravimetric estimation of adsorption properties of europium-incorporated MCM-41 materials. Thermochimica Acta, 2002, 383, 79-85.	2.7	10
472	Metamorphosis of Ordered Mesopores to Micropores: A Periodic Silica with Unprecedented Loading of Pendant Reactive Organic Groups Transforms to Periodic Microporous Silica with Tailorable Pore Size. Journal of the American Chemical Society, 2002, 124, 6383-6392.	13.7	118
473	Polyfunctionalised surfactant-templated adsorbents with high specific surface areas. Mendeleev Communications, 2001, 11, 208-210.	1.6	4
474	Novel Bifunctional Periodic Mesoporous Organosilicas, BPMOs: A Synthesis, Characterization, Properties and in-Situ Selective Hydroboration-Alcoholysis Reactions of Functional Groups. Journal of the American Chemical Society, 2001, 123, 8520-8530.	13.7	260
475	Gas Adsorption Characterization of Ordered Organic-Inorganic Nanocomposite Materials. Chemistry of Materials, 2001, 13, 3169-3183.	6.7	3,036
476	Adsorption and Thermogravimetric Characterization of Mesoporous Materials with Uniform Organic-Inorganic Frameworks. Journal of Physical Chemistry B, 2001, 105, 681-689.	2.6	99
477	Synthesis and characterization of europium-doped ordered mesoporous silicas. Journal of Materials Chemistry, 2001, 11, 2580-2586.	6.7	17
478	Colloidal Imprinting: A Novel Approach to the Synthesis of Mesoporous Carbons. Journal of the American Chemical Society, 2001, 123, 9208-9209.	13.7	231
479	Reference Data for Argon Adsorption on Graphitized and Nongraphitized Carbon Blacks. Journal of Physical Chemistry B, 2001, 105, 12516-12523.	2.6	93
480	Modification of SBA-15 pore connectivity by high-temperature calcination investigated by carbon inverse replication. Chemical Communications, 2001, , 349-350.	4.1	170
481	Synthesis and Characterization of Ordered, Very Large Pore MSU-H Silicas Assembled from Water-Soluble Silicates. Journal of Physical Chemistry B, 2001, 105, 7663-7670.	2.6	147
482	Toward the Synthesis of Extra-Large-Pore MCM-41 Analogues. Chemistry of Materials, 2001, 13, 1726-1731.	6.7	78
483	Synthesis of Ordered and Disordered Silicas with Uniform Pores on the Border between Micropore and Mesopore Regions Using Short Double-Chain Surfactants. Journal of the American Chemical Society, 2001, 123, 1650-1657.	13.7	119
484	Determination of the Specific Surface Areas of Non-Porous and Macroporous Carbons. Adsorption Science and Technology, 2001, 19, 765-776.	3.2	5
485	Bio-Inspired Nanocomposites: From Synthesis Toward Potential Applications. Materials Research Society Symposia Proceedings, 2001, 707, 551.	0.1	1
486	Bio-Inspired Nanocomposites: From Synthesis Toward Potential Applications. Materials Research Society Symposia Proceedings, 2001, 711, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
487	Characterization of modified mesoporous silicas using argon and nitrogen adsorption. <i>Microporous and Mesoporous Materials</i> , 2001, 44-45, 725-732.	4.4	33
488	Comprehensive characterization of highly ordered MCM-41 silicas using nitrogen adsorption, thermogravimetry, X-ray diffraction and transmission electron microscopy. <i>Microporous and Mesoporous Materials</i> , 2001, 48, 127-134.	4.4	74
489	A model-independent analysis of nitrogen adsorption isotherms on oxidized active carbons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2001, 189, 103-111.	4.7	13
490	Adsorption and Thermogravimetric Studies of Mesoporous Silica Coated with Siloxane Polymer. <i>Journal of Colloid and Interface Science</i> , 2001, 240, 224-228.	9.4	17
491	Sequential Hydroboration-Alcoholysis and Epoxidation-Ring Opening Reactions of Vinyl Groups in Mesoporous Vynilsilica. <i>Advanced Functional Materials</i> , 2001, 11, 447.	14.9	43
492	Ordered Mesoporous Carbons. <i>Advanced Materials</i> , 2001, 13, 677-681.	21.0	1,454
493	Silica gel-templated mesoporous carbons prepared from mesophase pitch and polyacrylonitrile. <i>Carbon</i> , 2001, 39, 2080-2082.	10.3	35
494	Studies of Dehydration Process for Isostructural Series of Lanthanide(III) 2,6-dihydroxybenzoates. <i>Magyar Árvadv Kémlemlények</i> , 2001, 66, 841-849.	1.4	7
495	Synthesis of polyferromethylsiloxane sorbents using a sol-gel method. <i>Solid State Sciences</i> , 2001, 3, 169-182.	3.2	3
496	Self-consistent determination of the lamellar phase content in MCM-41 using X-ray diffraction, nitrogen adsorption and thermogravimetry. <i>Studies in Surface Science and Catalysis</i> , 2000, 129, 577-586.	1.5	6
497	Fourier-Transform Infrared Spectroscopy Studies of the Interaction of Functionalized Siloxane Polymers with Porous Silica. <i>Journal of Colloid and Interface Science</i> , 2000, 226, 131-135.	9.4	7
498	Pore structure development in activated carbon honeycombs. <i>Carbon</i> , 2000, 38, 983-993.	10.3	44
499	Thermogravimetric monitoring of the MCM-41 synthesis. <i>Thermochimica Acta</i> , 2000, 363, 175-180.	2.7	55
500	Determination of the surface area and mesopore volume for lanthanide-incorporated MCM-41 materials by using high resolution thermogravimetry. <i>Thermochimica Acta</i> , 2000, 345, 173-177.	2.7	36
501	Thermogravimetric and adsorption studies of oxidized active carbons by using different probe molecules. <i>Thermochimica Acta</i> , 2000, 345, 165-172.	2.7	8
502	New insights into pore-size expansion of mesoporous silicates using long-chain amines. <i>Microporous and Mesoporous Materials</i> , 2000, 35-36, 545-553.	4.4	77
503	Nitrogen Adsorption Study of MCM-41 Molecular Sieves Synthesized Using Hydrothermal Restructuring. <i>Adsorption</i> , 2000, 6, 47-51.	3.0	49
504	Accurate Method for Calculating Mesopore Size Distributions from Argon Adsorption Data at 87 K Developed Using Model MCM-41 Materials. <i>Chemistry of Materials</i> , 2000, 12, 222-230.	6.7	162

#	ARTICLE	IF	CITATIONS
505	Peculiarities of alkyl-modification of ordered mesoporous materials: A single-step treatment of uncalcined MCM-41 involving template removal and surface functionalization. <i>Studies in Surface Science and Catalysis</i> , 2000, , 265-274.	1.5	4
506	Thermogravimetric characterization of mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2000, 129, 567-576.	1.5	13
507	Synthesis and adsorption properties of cerium modified MCM-41. <i>Studies in Surface Science and Catalysis</i> , 2000, 129, 187-194.	1.5	8
508	Recent advances in adsorption characterization of mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2000, , 587-596.	1.5	18
509	Determination of Pore Size and Pore Wall Structure of MCM-41 by Using Nitrogen Adsorption, Transmission Electron Microscopy, and X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2000, 104, 292-301.	2.6	342
510	Characterization of the Porous Structure of SBA-15. <i>Chemistry of Materials</i> , 2000, 12, 1961-1968.	6.7	1,280
511	Functionalized MCM-41 and CeMCM-41 Materials Synthesized via Interfacial Reactions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 9713-9719.	2.6	33
512	On the applicability of the Horwath-Kawazoe method for pore size analysis of MCM-41 and related mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2000, 128, 225-234.	1.5	7
513	Block-Copolymer-Templated Ordered Mesoporous Silica: An Array of Uniform Mesopores or Mesopore-Micropore Network?. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11465-11471.	2.6	631
514	Characterization of MCM-48 Silicas with Tailored Pore Sizes Synthesized via a Highly Efficient Procedure. <i>Chemistry of Materials</i> , 2000, 12, 1414-1421.	6.7	125
515	Functionalized Mesoporous Materials Obtained via Interfacial Reactions in Self-Assembled Silica-Surfactant Systems. <i>Chemistry of Materials</i> , 2000, 12, 2496-2501.	6.7	128
516	Characterization of Ordered Mesoporous Carbons Synthesized Using MCM-48 Silicas as Templates. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7960-7968.	2.6	333
517	Determination of the Lamellar Phase Content in MCM-41 Using X-ray Diffraction, Nitrogen Adsorption, and Thermogravimetry. <i>Journal of Physical Chemistry B</i> , 2000, 104, 1581-1589.	2.6	42
518	Synthesis of New, Nanoporous Carbon with Hexagonally Ordered Mesostructure. <i>Journal of the American Chemical Society</i> , 2000, 122, 10712-10713.	13.7	2,331
519	A new method for the accurate pore size analysis of MCM-41 and other silica based mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2000, , 71-80.	1.5	46
520	METHOD DEVELOPMENT FOR ADSORPTION CHARACTERIZATION OF MODIFIED MESOPOROUS SILICAS. , 2000, , .		0
521	THERMODYNAMIC APPROACH TO THE SURFACE AREA AND PORE SIZE ANALYSIS OF ACTIVE CARBONS. , 2000, , .		0
522	Influence of hydrothermal restructuring conditions on structural properties of mesoporous molecular sieves. <i>Microporous and Mesoporous Materials</i> , 1999, 27, 217-229.	4.4	79

#	ARTICLE	IF	CITATIONS
523	A new complex of manganese(II) with L-alanine: structure, spectroscopy and thermal study. Polyhedron, 1999, 18, 2321-2326.	2.2	22
524	Title is missing!. Adsorption, 1999, 5, 313-317.	3.0	10
525	Modification of Surface and Structural Properties of Ordered Mesoporous Silicates. Adsorption, 1999, 5, 39-45.	3.0	19
526	Relations between Pore Structure Parameters and Their Implications for Characterization of MCM-41 Using Gas Adsorption and X-ray Diffraction. Chemistry of Materials, 1999, 11, 492-500.	6.7	194
527	Comparative Studies of Carbon Blacks by Thermogravimetry and Nitrogen Adsorption. Journal of Colloid and Interface Science, 1999, 210, 200-206.	9.4	12
528	Monitoring Changes in Surface and Structural Properties of Porous Carbons Modified by Different Oxidizing Agents. Journal of Colloid and Interface Science, 1999, 214, 438-446.	9.4	66
529	Synthesis and Properties of Lanthanide Incorporated Mesoporous Molecular Sieves. Journal of Colloid and Interface Science, 1999, 218, 462-467.	9.4	52
530	Characterization of Silver-Containing Pitch-Based Activated Carbon Fibers. Journal of Colloid and Interface Science, 1999, 220, 157-162.	9.4	19
531	Determination of the Specific Surface Area and the Pore Size of Microporous Carbons from Adsorption Potential Distributions. Langmuir, 1999, 15, 1442-1448.	3.5	86
532	Simultaneous modification of mesopores and extraction of template molecules from MCM-41 with trialkylchlorosilanes. Chemical Communications, 1999, , 2373-2374.	4.1	88
533	New Approach to Evaluate Pore Size Distributions and Surface Areas for Hydrophobic Mesoporous Solids. Journal of Physical Chemistry B, 1999, 103, 10670-10678.	2.6	135
534	Expanding the Pore Size of MCM-41 Silicas: Use of Amines as Expanders in Direct Synthesis and Postsynthesis Procedures. Journal of Physical Chemistry B, 1999, 103, 3651-3658.	2.6	234
535	LIQUID CHROMATOGRAPHY STUDIES OF ACETONITRILE SORPTION ON SILICA-BASED OCTYL PHASES. Journal of Liquid Chromatography and Related Technologies, 1999, 22, 1945-1964.	1.0	2
536	Nitrogen Adsorption Study of Surface Properties of Graphitized Carbon Blacks. Langmuir, 1999, 15, 1435-1441.	3.5	140
537	Adsorption, Thermogravimetric, and NMR Studies of FSM-16 Material Functionalized with Alkylmonochlorosilanes. Journal of Physical Chemistry B, 1999, 103, 6252-6261.	2.6	56
538	Standard Nitrogen Adsorption Data for Characterization of Nanoporous Silicas. Langmuir, 1999, 15, 5410-5413.	3.5	512
539	Characterization of High-Quality MCM-48 and SBA-1 Mesoporous Silicas. Chemistry of Materials, 1999, 11, 2568-2572.	6.7	103
540	Characterization of Highly Ordered MCM-41 Silicas Using X-ray Diffraction and Nitrogen Adsorption. Langmuir, 1999, 15, 5279-5284.	3.5	150

#	ARTICLE	IF	CITATIONS
541	Surface Heterogeneity Analysis of MCM-41 Metallosilicates by Using Nitrogen Adsorption Data. Langmuir, 1999, 15, 5683-5688.	3.5	31
542	A Unified Interpretation of High-Temperature Pore Size Expansion Processes in MCM-41 Mesoporous Silicas. Journal of Physical Chemistry B, 1999, 103, 4590-4598.	2.6	110
543	Comparative analysis of simple and advanced sorption methods for assessment of microporosity in activated carbons. Carbon, 1998, 36, 1447-1458.	10.3	96
544	Comparative studies of structural and surface properties of porous inorganic oxides used in liquid chromatography. Journal of Chromatography A, 1998, 797, 93-102.	3.7	53
545	Comparative studies of chromatographic properties of silica-based amide-bonded phases under hydro-organic conditions. Journal of Chromatography A, 1998, 797, 103-110.	3.7	29
546	Characterization of silica-based octyl phases of different bonding density. Journal of Chromatography A, 1998, 828, 51-58.	3.7	24
547	Characterization of silica-based octyl phases of different bonding density. Journal of Chromatography A, 1998, 828, 59-73.	3.7	16
548	Studies of Surface Properties of Disperse Silica and Alumina by Luminescence Measurements and Nitrogen Adsorption. Journal of Colloid and Interface Science, 1998, 201, 210-219.	9.4	17
549	Characterization of Structural and Surface Properties of Activated Carbon Fibers. Journal of Colloid and Interface Science, 1998, 204, 151-156.	9.4	54
550	Adsorption Characterization of Two Clay Minerals Society Standard Kaolinites. Journal of Colloid and Interface Science, 1998, 205, 528-530.	9.4	22
551	New Approaches to Pore Size Engineering of Mesoporous Silicates. Advanced Materials, 1998, 10, 1376-1379.	21.0	185
552	Comparative Characterization of Octyl Bonded Phases using Methylene Selectivity Data. Journal of Liquid Chromatography and Related Technologies, 1998, 21, 923-939.	1.0	16
553	Adsorption Characterization of Active Carbons Modified by Deposition of Silica. Langmuir, 1998, 14, 2485-2489.	3.5	5
554	Adsorption, Thermogravimetric, and Chromatographic Studies of Bare Silicas and Silica-Based Octyl Bonded Phases. Journal of Liquid Chromatography and Related Technologies, 1998, 21, 1957-1977.	1.0	5
555	Estimation of the Surface Properties of Unmodified and Strongly Oxidized Active Carbons on the Basis of Water Vapour Adsorption Isotherms. Adsorption Science and Technology, 1998, 16, 295-302.	3.2	6
556	Laser heating of photoelectrons during multiphoton ionization of molecular ions adsorbed on disperse silica surfaces. Physical Review A, 1997, 56, 3056-3059.	2.5	5
557	Shape-selective Raman scattering from surface phonon modes in aggregates of amorphous SiO ₂ nanoparticles. Journal of Applied Physics, 1997, 82, 3499-3507.	2.5	27
558	Influence of the Pore Geometry on the Micropore Size Distribution Function of Active Carbons. Adsorption Science and Technology, 1997, 15, 571-581.	3.2	9

#	ARTICLE	IF	CITATIONS
559	Spontaneous and Stimulated Raman Scattering from Surface Phonon Modes in Aggregated SiO ₂ Nanoparticles. Journal of Physical Chemistry B, 1997, 101, 8832-8835.	2.6	24
560	Chromatographic Properties of Mixed Chemically Bonded Phases with Alkylamide and Aminopropyl Ligands. Journal of Liquid Chromatography and Related Technologies, 1997, 20, 2313-2325.	1.0	21
561	Characterization of Large-Pore MCM-41 Molecular Sieves Obtained via Hydrothermal Restructuring. Chemistry of Materials, 1997, 9, 2499-2506.	6.7	337
562	Fifty years of the theory of the volume filling of micropores. Adsorption, 1997, 3, 187-188.	3.0	16
563	Critical discussion of simple adsorption methods used to evaluate the micropore size distribution. Adsorption, 1997, 3, 209-219.	3.0	57
564	Influence of analysis conditions on low pressure adsorption measurements and its consequences in characterization of energetic and structural heterogeneity of microporous carbons. Adsorption, 1997, 3, 277-282.	3.0	13
565	Structural and surface properties of siliceous and titanium-modified HMS molecular sieves. Microporous Materials, 1997, 9, 173-182.	1.6	38
566	Monitoring of the structure of siliceous mesoporous molecular sieves tailored using different synthesis conditions. Microporous Materials, 1997, 12, 93-106.	1.6	64
567	Thermogravimetric Studies of Silica Physically and Chemically Modified with the Liquid Crystal 4-4'-Cyano-4-Biphenyl[4-(4-Pentenylloxy)]Benzoate. Journal of Colloid and Interface Science, 1997, 185, 39-43.	9.4	11
568	Surface and Structural Properties of Novel Titanium Phosphates. Journal of Colloid and Interface Science, 1997, 191, 442-448.	9.4	32
569	Nitrogen Adsorption Studies of Novel Synthetic Active Carbons. Journal of Colloid and Interface Science, 1997, 192, 250-256.	9.4	243
570	Adsorption Energy Evaluation from Luminescence Spectra of Uranyl Ions (UO ₂ ²⁺) Adsorbed on Disperse Silica Surfaces. Journal of Colloid and Interface Science, 1997, 194, 455-469.	9.4	13
571	Preparation and characterization of silica-carbon hybrids. Carbon, 1997, 35, 133-139.	10.3	20
572	Selectivity of alkylamide bonded-phases with respect to organic acids under reversed-phase conditions. Journal of Chromatography A, 1997, 762, 147-158.	3.7	37
573	Application of Alkylamide Phases to Separate Compounds of Different Polarity Under Reversed Phase Conditions. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 2829-2841.	1.0	13
574	Studies of the interfacial properties of chemically bonded phases by sorption and liquid chromatography. Journal of Chromatography A, 1996, 722, 19-24.	3.7	24
575	Retention of pyridinecarboxylic acids on monomeric and polymeric alkylamide phases. Journal of Chromatography A, 1996, 728, 213-224.	3.7	12
576	Thermogravimetric evaluation of the specific surface area and total porosity of microporous carbons. Carbon, 1996, 34, 1109-1113.	10.3	18

#	ARTICLE	IF	CITATIONS
577	Adsorption Study of Porous Structure Development in Carbon Blacks. Journal of Colloid and Interface Science, 1996, 182, 282-288.	9.4	94
578	Characterization of microporous carbons by using TGA curves measured under controlled conditions. Thermochimica Acta, 1996, 272, 65-73.	2.7	10
579	Relation between adsorption potential distribution and pore volume distribution for microporous carbons. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 118, 203-210.	4.7	53
580	Comparative characterization of selected additives by high resolution thermogravimetry and nitrogen adsorption. Journal of Porous Materials, 1996, 3, 181-187.	2.6	3
581	Thermoanalytical studies of water films on porous silicas at subambient and elevated temperatures. Thermochimica Acta, 1996, 287, 225-233.	2.7	12
582	Competitive Interactions of Phenol Derivatives and Aliphatic Alcohols for Alkenyl and Diol Silica Surfaces. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 2811-2827.	1.0	1
583	Surface and Structural Properties of Silica Gels Used in High Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 1523-1537.	1.0	15
584	Adsorption Characterization of Octyl Bonded Phases for High Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 2767-2784.	1.0	29
585	Synthesis and Characterization of Silica-Immobilized Serum Albumin Stationary Phases for HPLC. Journal of Liquid Chromatography and Related Technologies, 1996, 19, 2943-2965.	1.0	12
586	Differential scanning calorimetric and Fourier transform infrared spectrometric investigations of the influence of silica on the liquid crystalline properties of 4-cyano-4-biphenyl[4-(4-pentenyl)oxy]benzoate. Analytica Chimica Acta, 1995, 315, 77-81.	5.4	4
587	Comparison of the retention of organic acids on alkyl and alkylamide chemically bonded phases. Journal of Chromatography A, 1995, 691, 217-224.	3.7	38
588	Comparison of Energy Distributions Calculated for Active Carbons from Benzene Gas/Solid and Liquid/Solid Adsorption Data. Langmuir, 1995, 11, 1297-1303.	3.5	26
589	Verification of selected relationships for fractally porous solids by using adsorption isotherms calculated from density functional theory. Surface Science, 1995, 342, L1127-L1130.	1.9	6
590	Evaluation of the Fractal Dimension from a Single Adsorption Isotherm. Langmuir, 1995, 11, 2316-2317.	3.5	184
591	Use of Simulated Adsorption Isotherms To Study Surface and Structural Heterogeneities of Microporous Solids. Langmuir, 1995, 11, 4532-4538.	3.5	18
592	Studies of surface and structural heterogeneities of microporous carbons by high-resolution thermogravimetry. Studies in Surface Science and Catalysis, 1994, 87, 613-622.	1.5	9
593	Studies of physicochemical and chromatographic properties of mixed amino-alkylamide bonded phases. Journal of Chromatography A, 1994, 673, 11-19.	3.7	56
594	Reordering / resonance studies of alkylamide phases. Journal of Chromatography A, 1994, 659, 261-265.	3.7	26

#	ARTICLE	IF	CITATIONS
595	Chromatographic and related studies of alkylamide phases. <i>Chromatographia</i> , 1994, 39, 155-161.	1.3	30
596	Infrared Studies of the Microdomains and Mesomorphic Properties of 4'-Cyano-4-biphenyl [4-(4-pentenylloxy)]benzoate Coated on Silica. <i>Analytical Chemistry</i> , 1994, 66, 4100-4104.	6.5	12
597	Relation Between Energetic and Structural Heterogeneities for Microporous Active Carbons. <i>Studies in Surface Science and Catalysis</i> , 1994, , 633-640.	1.5	4
598	Correlation between microporosity and fractal dimension of active carbons. <i>Carbon</i> , 1993, 31, 325-331.	10.3	50
599	Application of a new numerical method for characterizing heterogeneous solids by using gas-solid chromatographic data. <i>Journal of Chromatography A</i> , 1993, 628, 59-67.	3.7	19
600	Competitive adsorption from multicomponent non-electrolytic liquid mixtures on heterogeneous solid surfaces. <i>Monatshefte für Chemie</i> , 1993, 124, 229-242.	1.8	1
601	Partition and displacement models in reversed-phase liquid chromatography with mixed eluents. <i>Journal of Chromatography A</i> , 1993, 656, 37-50.	3.7	121
602	Energetic heterogeneity of reference carbonaceous materials. <i>Langmuir</i> , 1993, 9, 2537-2546.	3.5	42
603	Evaluation of the energy distribution function from liquid/solid adsorption measurements. <i>Langmuir</i> , 1993, 9, 2547-2554.	3.5	29
604	Studies of the structural heterogeneity of microporous carbons using liquid/solid adsorption isotherms. <i>Langmuir</i> , 1993, 9, 2555-2561.	3.5	30
605	Theory of ion-pair reversed-phase liquid chromatography on energetically heterogeneous solid surfaces. <i>Langmuir</i> , 1993, 9, 749-755.	3.5	3
606	Liquid Chromatographic Studies of Silica-Immobilized Bovine Serum Albumin Under Normal-Phase Conditions: Separation of Phenolic Solutes Using Ternary Mixtures of Hydrogen Chloride-Diethyl Ether-Hexane as Eluents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 2503-2518.	1.0	8
607	Partition-Sorption Model for Describing Non-Specific Selectivity in Reversed-Phase Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 1431-1442.	1.0	7
608	Investigations of water film on the surface of activated carbons by thermal analysis. <i>Langmuir</i> , 1992, 8, 229-232.	3.5	28
609	Energetic heterogeneity of oxidized activated carbon fibers. <i>Materials Chemistry and Physics</i> , 1992, 30, 239-243.	4.0	1
610	Application of programmable liquid thermodesorption under quasi-isothermal conditions to study physicochemical properties of liquid films and solid surfaces. <i>Journal of Thermal Analysis</i> , 1992, 38, 2041-2051.	0.6	6
611	Thermoanalytical studies of water on aluminum oxides with different porosities. <i>Analytica Chimica Acta</i> , 1992, 269, 157-165.	5.4	16
612	The solution of adsorption integral equations by means of the regularization method. <i>Journal of Computational Chemistry</i> , 1992, 13, 17-32.	3.3	225

#	ARTICLE	IF	CITATIONS
613	Evaluation of energetic heterogeneity and microporosity of activated carbon fibers on the basis of gas adsorption isotherms. <i>Langmuir</i> , 1991, 7, 2719-2722.	3.5	43
614	Theory of liquid-solid adsorption chromatography with mixed eluents on energetically heterogeneous adsorbents. <i>Langmuir</i> , 1991, 7, 1784-1790.	3.5	2
615	Studies of the surface composition of phenyl and cyanopropyl bonded phases under reversed-phase liquid chromatographic conditions using alkanoate and perfluoroalkanoate esters. <i>Analytical Chemistry</i> , 1991, 63, 2849-2852.	6.5	16
616	Use of adsorption isotherms of light normal alkanes for characterizing microporous activated carbons. <i>Langmuir</i> , 1991, 7, 173-177.	3.5	25
617	Use of a displacement model for solvent sorption to study non-specific selectivity in reversed-phase liquid chromatography. <i>Chromatographia</i> , 1991, 32, 13-18.	1.3	12
618	Surface fractal dimension of microporous carbon fibres by nitrogen adsorption. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 179.	1.7	70
619	Correlation between adsorption of benzene from dilute aqueous solutions and benzene vapor adsorption on microporous active carbons. <i>Carbon</i> , 1991, 29, 1294-1296.	10.3	12
620	An improved method for evaluating the micropore-size distribution from adsorption isotherm. <i>Chemical Engineering Science</i> , 1991, 46, 3299-3301.	3.8	14
621	Influence of an energetically heterogeneous surface on the second gas-solid virial coefficient. <i>Journal of Colloid and Interface Science</i> , 1991, 146, 580-581.	9.4	1
622	Correlation between the fractal dimension and the microporous structure of a solid. <i>Monatshefte für Chemie</i> , 1991, 122, 577-584.	1.8	15
623	Application of Gas-Solid Adsorption Chromatography for Characterizing Adsorbent Heterogeneity. <i>Separation Science and Technology</i> , 1991, 26, 269-277.	2.5	2
624	Studies of the Surface Heterogeneity of Chemically Modified Porous Carbons by Gas-Solid Chromatography. <i>Journal of Chromatographic Science</i> , 1991, 29, 147-152.	1.4	20
625	Use of a gamma energy distribution to model the gas chromatographic temperature dependence of solute retention on aryl-siloxane chemically modified porous carbon. <i>Journal of Chromatography A</i> , 1990, 513, 1-11.	3.7	16
626	Dependence of the methylene selectivity on the composition of hydro-organic eluents for reversed-phase liquid chromatographic systems with alkyl bonded phases. <i>Chromatographia</i> , 1990, 30, 393-399.	1.3	29
627	Evaluation of structural heterogeneities and surface irregularities of microporous solids. <i>Materials Chemistry and Physics</i> , 1990, 26, 87-97.	4.0	19
628	Correlation between the bet parameters and the parameters that characterize the microporous structures of activated carbons. <i>Materials Chemistry and Physics</i> , 1990, 25, 287-296.	4.0	3
629	Application of the generalized Jaroniec-Choma isotherm equation for describing benzene adsorption on activated carbons. <i>Materials Chemistry and Physics</i> , 1990, 25, 323-330.	4.0	5
630	A simple method for evaluating the isotherm parameters for adsorption from dilute solutions on solids. <i>Materials Chemistry and Physics</i> , 1990, 24, 287-297.	4.0	5

#	ARTICLE	IF	CITATIONS
631	Total specific surface area of heterogeneous microporous activated carbons. Materials Chemistry and Physics, 1990, 24, 315-320.	4.0	0
632	Excess adsorption isotherms for solid-liquid systems and their analysis to determine the surface phase capacity. Advances in Colloid and Interface Science, 1990, 31, 155-223.	14.7	34
633	Comparison of the equilibrium adsorption isotherms measured by the dynamic and static methods for hydrocarbons on microporous activated carbons. Carbon, 1990, 28, 737-739.	10.3	2
634	Comparative studies of adsorption of ethane and benzene on microporous activated carbons. Chemical Engineering Science, 1990, 45, 1539-1545.	3.8	4
635	Evaluation of the fractal dimension of microporous activated carbons. Fuel, 1990, 69, 1573-1574.	6.4	21
636	Adsorption of water vapor on modified activated carbons. Monatshefte für Chemie, 1990, 121, 971-978.	1.8	6
637	An isotherm equation for solute adsorption from dilute solutions on heterogeneous solids. Carbon, 1990, 28, 734-736.	10.3	1
638	Comparative studies of the overall adsorption isotherm associated with Dubinin-Astakhov equation. Carbon, 1990, 28, 243-246.	10.3	12
639	Pressure swing adsorption for a system with a Langmuir-Freundlich isotherm. Chemical Engineering Science, 1990, 45, 1097-1103.	3.8	6
640	A simple method for describing multi-solute adsorption equilibria on activated carbons. Chemical Engineering Science, 1990, 45, 143-149.	3.8	3
641	Use of argon adsorption isotherms for characterizing microporous activated carbons. Fuel, 1990, 69, 516-518.	6.4	8
642	A comparative method for studying adsorption from binary nonelectrolytic liquid mixtures on microporous solids. Journal of Colloid and Interface Science, 1990, 135, 405-409.	9.4	4
643	Characterization of the surface composition of alkyl bonded phases under reversed-phase liquid chromatographic conditions using homologues of alkanoate and perfluoroalkanoate esters as solute probes. Analytical Chemistry, 1990, 62, 2092-2098.	6.5	35
644	Thermodynamics of gas adsorption on fractal surfaces of heterogeneous microporous solids. Journal of Chemical Physics, 1990, 92, 7589-7595.	3.0	51
645	Adsorption isotherm equations associated with the gamma micropore-size distribution and their application for characterizing microporous solids. Materials Chemistry and Physics, 1989, 24, 1-12.	4.0	2
646	Adsorption of ethane on microporous activated carbon. Materials Chemistry and Physics, 1989, 21, 427-436.	4.0	1
647	Benzene adsorption on microporous activated carbons. Carbon, 1989, 27, 485-487.	10.3	3
648	Application of an exponential isotherm equation for describing gas adsorption on microporous activated carbons. Carbon, 1989, 27, 567-571.	10.3	3

#	ARTICLE	IF	CITATIONS
649	Comparison of adsorption methods for characterizing the microporosity of activated carbons. Carbon, 1989, 27, 77-83.	10.3	73
650	A new description of micropore filling and its application for characterizing microporous solids. Colloids and Surfaces, 1989, 37, 183-196.	0.9	2
651	Determination of parameters that characterize microporous structures of activated carbons. Journal of Colloid and Interface Science, 1989, 132, 589-591.	9.4	0
652	A simplified integral equation for adsorption of gas mixtures on heterogeneous surfaces. Monatshefte für Chemie, 1989, 120, 225-230.	1.8	0
653	Adsorption of propane and n-butane on polystyrene adsorbents. Monatshefte für Chemie, 1989, 120, 401-411.	1.8	2
654	An isotherm equation for adsorption on fractal surfaces of heterogeneous porous materials. Langmuir, 1989, 5, 1431-1433.	3.5	492
655	Assessment of microporosity in porous adsorbents by comparing the liquid-solid adsorption isotherms. Langmuir, 1989, 5, 987-990.	3.5	21
656	Extension of the Langmuir equation for describing gas adsorption on heterogeneous microporous solids. Langmuir, 1989, 5, 839-844.	3.5	18
657	Use of a Polynomial Equation for Analyzing Low-Concentration Adsorption Measurements of Ethane on Activated Carbons. Separation Science and Technology, 1989, 24, 1355-1361.	2.5	3
658	Parameters of microporous structure of carbonaceous adsorbents gasified with air or carbon dioxide. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 3125.	1.0	10
659	A comprehensive theoretical description of physical adsorption of vapors on heterogeneous microporous solids. The Journal of Physical Chemistry, 1989, 93, 5225-5230.	2.9	31
660	Model of double associates for sorption of binary gas mixtures on polymers. Angewandte Makromolekulare Chemie, 1988, 160, 107-115.	0.2	0
661	Distribution functions characterizing structural heterogeneity of activated carbons. Carbon, 1988, 26, 1-6.	10.3	27
662	Adsorption of acetone on activated carbon. Carbon, 1988, 26, 98-100.	10.3	2
663	Physical interpretation of the energy parameter in the Dubinin-Raduskevich equation. Carbon, 1988, 26, 107-108.	10.3	12
664	Comparison of the adsorption isotherm equations associated with Gaussian and Gamma micropore-size distributions. Carbon, 1988, 26, 747-748.	10.3	18
665	Application of isotherm equation associated with gamma micropore-size distribution for characterizing activated carbons. Chemical Engineering Science, 1988, 43, 3151-3156.	3.8	4
666	Consequence of assuming gamma-type distribution for characterizing structural heterogeneity of microporous solids. Monatshefte für Chemie, 1988, 119, 545-552.	1.8	0

#	ARTICLE	IF	CITATIONS
667	Gas adsorption on solids with Gaussian micropore-size distributions. Monatshefte für Chemie, 1988, 119-119, 889-901.	1.8	4
668	Studies of adsorption and partition effects in liquid chromatography with mixed mobile phases. Journal of Chromatography A, 1988, 452, 131-135.	3.7	2
669	Solute adsorption from dilute solutions on structurally heterogeneous solids. Journal of Colloid and Interface Science, 1988, 125, 561-566.	9.4	6
670	Thermodynamic functions associated with the exponential isotherm equation for gas adsorption on heterogeneous microporous solids. Journal of Colloid and Interface Science, 1988, 126, 69-73.	9.4	9
671	Sorption properties of polystyrene adsorbents from isotherms of propane and n-butane. Materials Chemistry and Physics, 1988, 19, 247-254.	4.0	1
672	On the characterization of structural heterogeneity of microporous solids by discrete and continuous micropore distribution functions. Materials Chemistry and Physics, 1988, 19, 267-289.	4.0	20
673	Characterization of activated carbons by utilizing the nitrogen adsorption data. Materials Chemistry and Physics, 1988, 20, 179-189.	4.0	3
674	Characterization of energetic and structural heterogeneities of activated carbons. Langmuir, 1988, 4, 911-917.	3.5	26
675	Correlations of heterogeneity parameters for single-solute and multi-solute adsorption from dilute solutions. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 2951.	1.0	20
676	Adsorption theory of volume filling of micropores for structurally heterogeneous solids. Journal of the Chemical Society, Faraday Transactions 2, 1988, 84, 1139.	1.1	13
677	Enthalpy of immersion of a microporous solid. The Journal of Physical Chemistry, 1988, 92, 3986-3988.	2.9	22
678	Simple Models in Liquid Chromatography with Mixed Mobile Phases: Present and Future. Journal of Liquid Chromatography and Related Technologies, 1987, 10, 1949-1959.	1.0	1
679	Description of Non-Specific and Specific Solute-Solvent Interactions in Liquid Chromatography with Mixed Eluents. Journal of Liquid Chromatography and Related Technologies, 1987, 10, 541-559.	1.0	4
680	Reversed-Phase Liquid Chromatography with Mixed Eluents: Partition Model of Retention for Ionogenic Solutes. Journal of Liquid Chromatography and Related Technologies, 1987, 10, 2033-2045.	1.0	3
681	A new concept for the theoretical description of solute adsorption from dilute solutions on solids. Langmuir, 1987, 3, 673-675.	3.5	7
682	Gas Adsorption on Structurally Heterogeneous Microporous Solids. Separation Science and Technology, 1987, 22, 2367-2380.	2.5	8
683	Thermodynamics of gas adsorption on heterogeneous microporous solids. Langmuir, 1987, 3, 795-799.	3.5	37
684	Correlation of heterogeneity parameters for adsorption of single gases and gas mixtures on solids. Chemical Engineering Science, 1987, 42, 2135-2141.	3.8	6

#	ARTICLE	IF	CITATIONS
685	Correlations among parameters of Dubinin-Radushkevich and Langmuir-Freundlich isotherms for adsorption from binary liquid mixtures on solids. <i>Journal of Colloid and Interface Science</i> , 1987, 117, 339-346.	9.4	3
686	A simple isotherm equation for describing gas adsorption on heterogeneous microporous solids. <i>Monatshefte für Chemie</i> , 1987, 118, 315-321.	1.8	13
687	The energy distribution function associated with dubinin's description of gas adsorption on heterogeneous microporous solids. <i>Carbon</i> , 1987, 25, 579-582.	10.3	9
688	Discussion of the theoretical isotherms describing adsorption from multicomponent liquid mixtures on heterogeneous solids of quasi-Gaussian energy distribution. <i>Chemical Engineering Science</i> , 1987, 42, 2143-2150.	3.8	5
689	Theoretical foundations of physical adsorption from binary non-electrolytic liquid mixtures on solid surfaces: present and future. <i>Advances in Colloid and Interface Science</i> , 1987, 27, 211-283.	14.7	37
690	Models of solute and solvent distribution for describing retention in liquid chromatography. <i>Journal of Chromatography A</i> , 1987, 387, 55-64.	3.7	36
691	Heterogeneity effects in argon and krypton adsorption on boron phosphate. <i>Journal of Colloid and Interface Science</i> , 1987, 115, 576-578.	9.4	2
692	Determination of the micropore volume of activated carbon from the adsorption isotherms of light hydrocarbons. <i>Materials Chemistry and Physics</i> , 1987, 16, 583-586.	4.0	2
693	Characterization of activated carbons by distribution functions of adsorption potential and micropore dimension. <i>Materials Chemistry and Physics</i> , 1987, 18, 103-117.	4.0	19
694	On the mesopore correction of adsorption data used for characterizing microporous structure of activated carbons. <i>Materials Chemistry and Physics</i> , 1987, 18, 409-421.	4.0	6
695	A new numerical method for calculating the energy distribution from adsorption isotherm data. <i>Chemical Physics Letters</i> , 1986, 125, 241-245.	2.6	11
696	Study of Cd(II) adsorption from aqueous solution on activated carbons. <i>Carbon</i> , 1986, 24, 15-20.	10.3	31
697	A linear relationship between partition ratio and composition of a binary mobile phase in reversed-phase liquid chromatography using chemically bonded stationary phases. <i>Journal of High Resolution Chromatography</i> , 1986, 9, 236-239.	1.4	2
698	New description of heterogeneity effects in adsorption from multicomponent solutions and liquid adsorption chromatography. <i>Journal of High Resolution Chromatography</i> , 1986, 9, 452-455.	1.4	3
699	Recent progress in determination of energetic heterogeneity of solids from adsorption data. <i>Surface Science Reports</i> , 1986, 6, 65-117.	7.2	131
700	Energetic heterogeneity and molecular size effects in physical adsorption on solid surfaces. <i>Journal of Colloid and Interface Science</i> , 1986, 109, 310-324.	9.4	35
701	Isotherm equations for adsorption on heterogeneous microporous solids. <i>Monatshefte für Chemie</i> , 1986, 117, 7-19.	1.8	41
702	A simple method for determining the multilayer effects in adsorption of alcohols on silica gel. <i>Monatshefte für Chemie</i> , 1986, 117, 579-588.	1.8	3

#	ARTICLE	IF	CITATIONS
703	A general model of liquid–solid chromatography with mixed mobile phases involving concurrent adsorption and partition effects. <i>Journal of Chromatography A</i> , 1986, 351, 1-16.	3.7	64
704	Characterization of heterogeneity of activated carbons by utilizing the benzene adsorption data. <i>Materials Chemistry and Physics</i> , 1986, 15, 521-536.	4.0	64
705	A new method for characterizing global adsorbent heterogeneity by using adsorption data. <i>Materials Chemistry and Physics</i> , 1986, 14, 141-166.	4.0	13
706	An Extension and New Interpretation of OÅvik's Equation for Describing Liquid Chromatography with Mixed Mobile Phases. II. Partition and Adsorption Effects. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1986, 9, 2555-2562.	1.0	9
707	Solute Dissociation Effects in Reversed Phase Liquid Chromatography with Mixed Eluents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1986, 9, 1951-1969.	1.0	1
708	Liquid/Solid Interfaces: Studies of Kinetics of Isotope Exchange. <i>Adsorption Science and Technology</i> , 1985, 2, 97-119.	3.2	6
709	Adsorption of 1-olefin/n-paraffin liquid mixtures on NaX and NaY zeolites. <i>Journal of Inclusion Phenomena</i> , 1985, 3, 85-93.	0.6	4
710	A generalized equation describing isotope exchange kinetics at solid-liquid interface. <i>Monatshefte für Chemie</i> , 1985, 116, 305-310.	1.8	4
711	Gas adsorption on energetically heterogeneous solid surfaces: On the choice of local adsorption isotherm. <i>Journal of Colloid and Interface Science</i> , 1985, 108, 50-59.	9.4	10
712	Numerical solutions of the adsorption integral equation utilizing the spline functions. <i>Thin Solid Films</i> , 1985, 123, 245-272.	1.8	34
713	Application of chromatographic and adsorption data for characterizing liquid/solid adsorption systems. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1985, 321, 371-373.	0.8	6
714	Characterization Of solid-liquid adsorption systems by using Gaussian energy distribution. <i>Materials Chemistry and Physics</i> , 1985, 12, 339-365.	4.0	8
715	Studies of association effects in adsorption from multicomponent solutions on solids. <i>Chemical Engineering Science</i> , 1985, 40, 917-922.	3.8	5
716	CPS L 946. <i>Colloid and Polymer Science</i> , 1985, 263, 771-777.	2.1	13
717	A new equation for bilayer adsorption from binary liquid mixtures on homogeneous solid surfaces. <i>Chemical Engineering Science</i> , 1985, 40, 473-480.	3.8	2
718	Theoretical basis of liquid adsorption chromatography with mixed mobile phases and its connection with the theory of adsorption from multicomponent solutions. <i>Advances in Colloid and Interface Science</i> , 1985, 22, 177-227.	14.7	53
719	Monomolecular mixed-gas sorption on polymers. <i>Chemical Physics Letters</i> , 1985, 120, 416-419.	2.6	1
720	Liquid Chromatography with Mixed Mobile Phases: Interpretation of the Model Chromatographic Data by Means of the Simple Linear Relationship. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1985, 8, 1965-1987.	1.0	6

#	ARTICLE	IF	CITATIONS
721	An Extension and new Interpretation of Oscik's Equation Describing Liquid Chromatography with Mixed Mobile Phases. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 1363-1378.	1.0	17
722	A Simple Linear Dependence of the Logarithm of the Capacity Ratio upon Mobile Phase Composition in the Reversed-Phase Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 441-448.	1.0	3
723	Effects of Solute-Solvent Interactions in Liquid Adsorption Chromatography with Mixed Mobile Phase. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 651-661.	1.0	4
724	Surface Heterogeneity Effects in Liquid-Solid Chromatography with Mixed Eluents. Journal of Liquid Chromatography and Related Technologies, 1985, 8, 1953-1963.	1.0	6
725	Theoretical description of association effects in liquid adsorption chromatography with a mixed mobile phase. Journal of Chromatography A, 1984, 295, 377-386.	3.7	15
726	Studies of the surface heterogeneity of high disperse silica chemically modified by sodium and potassium oxides using low-temperature nitrogen adsorption data. Journal of Colloid and Interface Science, 1984, 99, 493-506.	9.4	9
727	Studies of heterogeneous isotope exchange of Cd (II) between the solution and the surface layer formed on aluminium oxide and activated carbon. Materials Chemistry and Physics, 1984, 11, 195-200.	4.0	7
728	Single-solute adsorption from dilute solutions on heterogeneous microporous solids. Carbon, 1984, 22, 157-161.	10.3	4
729	Partially mobile adsorption of gases on solid surfaces. Advances in Colloid and Interface Science, 1984, 20, 273-339.	14.7	18
730	Multilayer effects in liquid adsorption chromatography with mixed mobile phases. Journal of High Resolution Chromatography, 1984, 7, 203-207.	1.4	1
731	Relationships defining dependence between adsorption parameters of Dubinin-Astakhov and generalized Langmuir equations. Journal of Colloid and Interface Science, 1984, 101, 280-281.	9.4	15
732	Multilayer single-solute adsorption from dilute solutions on energetically heterogeneous solids. Chemical Engineering Science, 1984, 39, 65-70.	3.8	7
733	Isotope exchange kinetics at heterogeneous solid surfaces (solid-liquid interfaces). Monatshefte für Chemie, 1984, 115, 147-154.	1.8	8
734	Physical adsorption of gases on energetically heterogeneous solids I. Generalized Langmuir equation and its energy distribution. Monatshefte für Chemie, 1984, 115, 997-1012.	1.8	34
735	Physical adsorption of gases on energetically heterogeneous solids II. Theoretical extension of a generalized Langmuir equation and its application for analysing adsorption data. Monatshefte für Chemie, 1984, 115, 1013-1038.	1.8	15
736	Adsorption from solutions of nonelectrolytes on heterogeneous solid surfaces: A four-parameter equation for the excess adsorption isotherm. Monatshefte für Chemie, 1984, 115, 541-550.	1.8	4
737	Determination of Solvation Effects in Liquid Adsorption Chromatography with Mixed Mobile Phases. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 1289-1300.	1.0	2
738	Theoretical Foundations of Liquid Adsorption Chromatography with Mixed Eluent. Journal of Liquid Chromatography and Related Technologies, 1984, 7, 393-431.	1.0	23

#	ARTICLE	IF	CITATIONS
739	Theoretical Foundations of Solute Adsorption from Dilute Solutions on Solids. Studies in Environmental Science, 1984, 23, 297-311.	0.0	2
740	Studies of isotope exchange kinetics at the electrolyte solution/solid interface. Materials Chemistry and Physics, 1983, 9, 351-358.	4.0	7
741	Physical adsorption on heterogeneous solids. Advances in Colloid and Interface Science, 1983, 18, 149-225.	14.7	179
742	Application of t ³ 's equation to describe the single-solute adsorption from dilute solutions on solids. Journal of Colloid and Interface Science, 1983, 94, 573-576.	9.4	13
743	A new isotherm equation for single-solute adsorption from dilute solutions on energetically heterogeneous solids. Monatshefte für Chemie, 1983, 114, 711-715.	1.8	63
744	The Langmuir-Freundlich equation in adsorption from dilute solutions on solids. Monatshefte für Chemie, 1983, 114, 393-397.	1.8	37
745	Multilayer effects in adsorption of alcohols from benzene and n-heptane on silica gel. Monatshefte für Chemie, 1983, 114, 559-562.	1.8	9
746	Adsorption of 1-tetradecene/dodecane mixtures on different types of zeolites. Monatshefte für Chemie, 1983, 114, 857-873.	1.8	10
747	Dependence of selectivity and resolution upon composition of the binary mobile phase in LSC. Journal of High Resolution Chromatography, 1983, 6, 27-30.	1.4	1
748	Current state in adsorption from multicomponent solutions of nonelectrolytes on solids. Advances in Colloid and Interface Science, 1983, 19, 137-177.	14.7	54
749	An equation for multi-solute adsorption from dilute aqueous solutions involving energetic heterogeneity of the solid and differences in molecular sizes of the solutes. Chemical Engineering Science, 1983, 38, 307-311.	3.8	10
750	Studies of adsorption kinetics by means of the stochastic numerical simulation. Surface Science Reports, 1983, 3, 301-353.	7.2	15
751	Physical adsorption on heterogeneous solids – Present and future. Thin Solid Films, 1983, 100, 325-328.	1.8	11
752	Theoretical description of adsorbate-adsorbate association in the case of mobile monolayer adsorption of gases on homogeneous solid surfaces. Thin Solid Films, 1983, 100, 43-52.	1.8	5
753	Adsorption of mixtures of methane and krypton on CaA zeolite II: Analysis of the experimental data using Freundlich- and Dubinin-Radushkevich-type equations derived by assuming similar heterogeneity parameters for single-gas adsorption. Thin Solid Films, 1983, 106, 219-224.	1.8	2
754	Theory of multilayer adsorption from multicomponent liquid mixtures on homogeneous solid surfaces. Thin Solid Films, 1983, 103, 399-415.	1.8	3
755	Association effects in adsorption from multicomponent solutions on solids and liquid adsorption chromatography. Journal of the Chemical Society Faraday Transactions I, 1983, 79, 363.	1.0	26
756	Thermodynamic Approach to TLC with Mixed mobile Phase. Determination of Parameters Characterizing TLC Systems. Journal of Liquid Chromatography and Related Technologies, 1983, 6, 81-93.	1.0	7

#	ARTICLE	IF	CITATIONS
757	Determination of Association Effects in TLC Data for Different Solutes Chromatographed in Methanol-Acetone on Silica Gel. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1982, 5, 1033-1042.	1.0	11
758	Theory of Single-Solute and Bi-Solute Adsorption from Dilute Aqueous Solutions on Activated Carbon. <i>Studies in Environmental Science</i> , 1982, 19, 361-368.	0.0	3
759	Liquid-solid chromatography. Recent progress in theoretical studies concerning the dependence of the capacity ratio upon the mobile phase composition. <i>Journal of High Resolution Chromatography</i> , 1982, 5, 3-12.	1.4	56
760	A simple procedure for evaluating the heterogeneity parameter and the ratio of molecular sizes of solute and solvent by using HPLC data. <i>Journal of High Resolution Chromatography</i> , 1982, 5, 368-372.	1.4	2
761	Statistical thermodynamics of multilayer adsorption from binary mixtures onto homogeneous solid surfaces. <i>Thin Solid Films</i> , 1982, 94, 79-88.	1.8	8
762	Competitive adsorption of binary gas mixtures on energetically heterogeneous solids. <i>Thin Solid Films</i> , 1982, 92, 385-392.	1.8	1
763	Adsorption of mixtures of methane and krypton on CaA zeolite I: Analysis of the adsorption data using a Freundlich-type equation derived for constant mole fractions of components in the adsorption space. <i>Thin Solid Films</i> , 1982, 88, 373-379.	1.8	5
764	Surface heterogeneity effects in nitrogen adsorption on chemically modified aerosils II: Adsorptive energy distribution functions evaluated using numerical methods. <i>Thin Solid Films</i> , 1982, 87, 323-335.	1.8	15
765	Stochastic modelling of adsorption kinetics on solid surfaces I: Kinetics of localized monolayer gas adsorption on energetically heterogeneous surfaces without lateral interactions in the surface phase. <i>Thin Solid Films</i> , 1982, 94, 365-371.	1.8	6
766	Surface heterogeneity effects in nitrogen adsorption on chemically modified Aerosils III: Comparative discussion of adsorption energy distributions involving physical, mathematical and numerical aspects of their evaluation. <i>Thin Solid Films</i> , 1982, 97, 369-379.	1.8	23
767	Adsorption of gas mixtures on solids. <i>Journal of Colloid and Interface Science</i> , 1982, 85, 457-462.	9.4	12
768	Some remarks on Freundlich-type multicomponent isotherm. <i>Journal of Colloid and Interface Science</i> , 1982, 86, 588-589.	9.4	12
769	Application of a bilayer adsorption model for explaining the adsorption of esters from n-heptane and benzene on silica gel. <i>Monatshefte für Chemie</i> , 1982, 113, 925-932.	1.8	14
770	A model of adsorption at liquid-solid interface involving association in the bulk phase. <i>Monatshefte für Chemie</i> , 1982, 113, 669-680.	1.8	20
771	Multilayer adsorption of alcohols from benzene/n-heptane mixtures on silica gel. <i>Monatshefte für Chemie</i> , 1982, 113, 29-35.	1.8	12
772	Application of excess adsorption data measured for components of the mobile phase for characterizing chromatographic systems. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1981, 77, 1277.	1.0	30
773	Correlation between data of adsorption from binary and multicomponent liquid mixtures on solid surfaces. <i>AIChE Journal</i> , 1981, 27, 524-525.	3.6	4
774	Thin-layer adsorption chromatography with mixed mobile phases. 4. Extension of Ořik's equation to heterogeneous adsorbents. <i>Journal of High Resolution Chromatography</i> , 1981, 4, 17-23.	1.4	9

#	ARTICLE	IF	CITATIONS
775	Correlation between excess adsorption data measured for solvent mixture/adsorbent systems and RM values obtained for different solutes chromatographed in binary mobile phases. <i>Journal of High Resolution Chromatography</i> , 1981, 4, 74-78.	1.4	15
776	Determination of solute-solvent association effects in liquid-solid chromatography with mixed mobile phases. <i>Journal of High Resolution Chromatography</i> , 1981, 4, 89-90.	1.4	13
777	Simple relationships for predicting multi-solute adsorption from dilute aqueous solutions. <i>Chemical Engineering Science</i> , 1981, 36, 1017-1019.	3.8	38
778	A simple model for the adsorption of mixtures on solids involving energetic heterogeneity of the surface and differences in molecular sizes of the components. <i>Thin Solid Films</i> , 1981, 81, L97-L99.	1.8	11
779	Effects of surface heterogeneity in liquid adsorption of ketones, esters and butanediols on silica gel. <i>Colloid and Polymer Science</i> , 1981, 259, 398-401.	2.1	5
780	Statistical thermodynamics of adsorption from multicomponent liquid mixtures on heterogeneous solid surfaces. <i>Monatshefte für Chemie</i> , 1981, 112, 59-71.	1.8	23
781	Multilayer adsorption from multicomponent liquid mixtures on solid surfaces. <i>Monatshefte für Chemie</i> , 1981, 112, 175-185.	1.8	17
782	Simple model of liquid-solid chromatography involving solute-solvent and solvent-solvent interactions. <i>Journal of Chromatography A</i> , 1981, 210, 130-132.	3.7	28
783	Surface heterogeneity effects in nitrogen adsorption on chemically modified aerosils I: Discussion of the energy distribution functions evaluated by using the condensation approximation method. <i>Thin Solid Films</i> , 1981, 85, 87-96.	1.8	22
784	The adsorbate-adsorbate association model in localized adsorption of gases on random heterogeneous surfaces. <i>Thin Solid Films</i> , 1981, 75, 307-317.	1.8	12
785	Mass transfer kinetics of mixed gas adsorption in porous media. <i>Thin Solid Films</i> , 1981, 75, 347-353.	1.8	3
786	A stochastic approach to the kinetics of adsorption from binary gas mixtures on homogeneous solid surfaces. <i>Thin Solid Films</i> , 1981, 75, L11-L14.	1.8	6
787	Partially mobile and partially localized monolayer films of gases on solid surfaces V: Application of the model to adsorption of simple gases on graphite and boron nitride. <i>Thin Solid Films</i> , 1981, 76, 247-258.	1.8	6
788	Application of Dubinin-Radushkevich type equation for describing bisolute adsorption from dilute aqueous solutions on activated carbon. <i>Journal of Colloid and Interface Science</i> , 1981, 84, 191-195.	9.4	39
789	Adsorption TLC with binary mobile phases. <i>Chromatographia</i> , 1981, 14, 95-99.	1.3	10
790	Dependence of the Capacity Ratio Upon Type of the Excess Adsorption Isotherm. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1981, 4, 227-236.	1.0	5
791	A Model of Liquid Adsorption Chromatography Involving Solute-Solvent Interaction in the Mobile Phase, Energetic Heterogeneity of the Adsorbent, and Differences in Molecular Sizes of Solute and Solvents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1981, 4, 2121-2145.	1.0	29
792	Theory of adsorption from multicomponent liquid mixtures on solid surfaces and its application to liquid adsorption chromatography. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1980, 76, 2486.	1.0	35

#	ARTICLE	IF	CITATIONS
793	Adsorption of binary gas mixtures on solid surfaces with patchwise and random distribution of adsorption sites. <i>Colloid and Polymer Science</i> , 1980, 258, 977-979.	2.1	3
794	Prediction of the composition of a multicomponent surface phase by means of adsorption data of single gases. <i>Thin Solid Films</i> , 1980, 69, L25-L27.	1.8	1
795	Prediction of TLC data for binary mobile phases by means of the RM-values obtained for single solvents. <i>Journal of High Resolution Chromatography</i> , 1980, 3, 29-30.	1.4	7
796	Thin-layer adsorption chromatography with mixed mobile phases. 3. Correlation between parameters characterizing the chromatographic systems with binary and ternary mobile phases. <i>Journal of High Resolution Chromatography</i> , 1980, 3, 180-182.	1.4	5
797	Effects of solute-solvent and solvent-solvent association in liquid adsorption chromatography with binary mobile phase. <i>Journal of High Resolution Chromatography</i> , 1980, 3, 257-260.	1.4	41
798	Adsorption of liquid mixtures by heterogeneous microporous solids. <i>Carbon</i> , 1980, 18, 439-441.	10.3	5
799	Liquid adsorption chromatography with mixed mobile phases. <i>Journal of Chromatography A</i> , 1980, 188, 27-32.	3.7	17
800	Effects of surface heterogeneity in adsorption from binary liquid mixtures. <i>Journal of Colloid and Interface Science</i> , 1980, 73, 475-482.	9.4	60
801	Effects of surface heterogeneity in adsorption from binary liquid mixtures. IV. Adsorption model with nonideal bulk phase and regular surface phase. <i>Journal of Colloid and Interface Science</i> , 1980, 77, 571-573.	9.4	18
802	Description of kinetics and equilibrium state of adsorption from multicomponent gas mixtures on solid surfaces. <i>Thin Solid Films</i> , 1980, 71, 273-304.	1.8	28
803	Partially mobile and partially localized monolayer films of gases on solid surfaces III: Comparison of two simple models. <i>Thin Solid Films</i> , 1980, 67, 187-192.	1.8	6
804	Partially mobile and partially localized monolayer films IV: Prediction of the temperature dependence of adsorption isotherms. <i>Thin Solid Films</i> , 1980, 70, 363-371.	1.8	5
805	The adsorbate-adsorbate association model in mixed gas adsorption on homogeneous solid surfaces. <i>Thin Solid Films</i> , 1980, 69, 369-378.	1.8	11
806	Characterization of Chromatographic Systems with Ternary Mobile Phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1979, 2, 799-808.	1.0	5
807	Thin-layer adsorption chromatography with mixed mobile phases. 1. Characterization of chromatographic systems showing energetic heterogeneity of adsorbent surfaces with regard to admolecules of solvents and solutes. <i>Journal of High Resolution Chromatography</i> , 1979, 2, 236-242.	1.4	10
808	Thin-layer adsorption chromatography with mixed mobile phases. 2. Effects of solute-solvent interactions and energetic heterogeneity of surfaces with regard to admolecules in TLC. <i>Journal of High Resolution Chromatography</i> , 1979, 2, 524-526.	1.4	5
809	Liquid adsorption chromatography with mixed mobile phases. <i>Journal of Chromatography A</i> , 1979, 179, 237-245.	3.7	51
810	Liquid adsorption chromatography with mixed mobile phases. <i>Journal of Chromatography A</i> , 1979, 178, 27-40.	3.7	39

#	ARTICLE	IF	CITATIONS
811	Liquid adsorption chromatography with a two-component mobile phase. <i>Journal of Chromatography A</i> , 1979, 170, 299-307.	3.7	20
812	Effects of lateral interactions and surface heterogeneity in kinetics of adsorption from multicomponent gas mixtures. <i>Thin Solid Films</i> , 1979, 59, 249-254.	1.8	7
813	A unified description of the kinetics of localized and mobile monolayer adsorption from the gaseous phase onto solid surfaces. <i>Thin Solid Films</i> , 1979, 62, 237-246.	1.8	8
814	Some remarks on the Berezinâ€”Kiselev model of localized adsorption on homogeneous solid surfaces. <i>Journal of Colloid and Interface Science</i> , 1979, 72, 344-346.	9.4	5
815	Effects of surface heterogeneity in adsorption from binary liquid mixtures. <i>Journal of Colloid and Interface Science</i> , 1979, 69, 287-300.	9.4	42
816	Adsorption of multicomponent liquid mixtures on heterogeneous surfaces. <i>Journal of Colloid and Interface Science</i> , 1979, 69, 311-317.	9.4	32
817	Application of a partially mobile model of monolayer adsorption to multilayer phenomena. <i>Monatshefte f�r Chemie</i> , 1979, 110, 601-606.	1.8	3
818	Elovich-type equations for description of the adsorption rates of gas mixtures. <i>Journal of Catalysis</i> , 1979, 57, 187-190.	6.2	5
819	Determination of the capacity ratio and concentration-time function for stepwise elution with binary mobile phase with help of liquid chromatography data obtained from isocratic elution. <i>Chromatographia</i> , 1979, 12, 29-32.	1.3	11
820	Dependence of the distribution coefficient on the mobile phase composition in liquid adsorption chromatography. II. Analytical equations for the distribution coefficient involving non-ideality of the mobile phase and heterogeneity of the adsorbent surface. <i>Chromatographia</i> , 1979, 12, 672-678.	1.3	27
821	Supplementary note to the paper â€œgeneral model of physical adsorptionâ€ Surface Science, 1979, 81, L333-L336.	1.9	2
822	On the exponential absorption isotherm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978, 67, 309-310.	2.1	11
823	Current state and perspectives of developments in the theory of mixed-gas adsorption on solid surfaces. <i>Thin Solid Films</i> , 1978, 50, 163-169.	1.8	32
824	Dependence of the capacity ratio on the composition of the binary mobile phase in liquidâ€”solid adsorption chromatography. <i>Journal of Chromatography A</i> , 1978, 157, 1-5.	3.7	20
825	Studies of chromatographic packings comprising porous polymers. <i>Journal of Chromatography A</i> , 1978, 157, 119-124.	3.7	6
826	Gradient optimization in elution liquid chromatography. <i>Journal of Chromatography A</i> , 1978, 153, 309-319.	3.7	30
827	Gradient optimization in elution liquid chromatography. <i>Journal of Chromatography A</i> , 1978, 153, 321-328.	3.7	24
828	Numerical studies of gas adsorption on heterogeneous solid surfaces by using the model of associated adsorbate. <i>Journal of Colloid and Interface Science</i> , 1978, 63, 362-368.	9.4	16

#	ARTICLE	IF	CITATIONS
829	Adsorption of gas mixtures on heterogeneous surfaces. Journal of Colloid and Interface Science, 1978, 65, 9-18.	9.4	26
830	Dependence of the capacity ratio on mobile phase composition in liquid adsorption chromatography. Chromatographia, 1978, 11, 581-585.	1.3	45
831	On Ritchie's equation for adsorption kinetics of gases on solids. Reaction Kinetics and Catalysis Letters, 1978, 9, 309-313.	0.6	7
832	A new approach to the adsorption kinetics of gas mixtures on heterogeneous surfaces. Reaction Kinetics and Catalysis Letters, 1978, 8, 425-429.	0.6	13
833	A theoretical isotherm for adsorption on heterogeneous surface. Colloid and Polymer Science, 1978, 256, 471-477.	2.1	23
834	Adsorption of gas mixtures on heterogeneous solid surfaces. Colloid and Polymer Science, 1978, 256, 690-695.	2.1	8
835	Adsorption of gas mixtures on homogeneous solid surfaces I. Model of double associates for adsorption of binary mixtures. Colloid and Polymer Science, 1978, 256, 1089-1094.	2.1	13
836	Two-dimensional mobile films of gases on solids: Adaptation of three-dimensional equations of state to physical adsorption of single gases on homogeneous surfaces. The Chemical Engineering Journal, 1978, 15, 147-157.	0.3	8
837	Monolayer films of gases on solids composed of patches covered by mobile and localized adsorbed molecules. Thin Solid Films, 1978, 50, L21-L23.	1.8	6
838	Partially mobile and partially localized monolayer films II: Adsorption of binary gas mixtures on solids. Thin Solid Films, 1978, 52, 305-311.	1.8	8
839	Continuous TLC as a pilot technique for optimization of gradient HPLC. 1. Theoretical considerations for stepwise gradient TLC with binary mobile phase. Journal of High Resolution Chromatography, 1978, 1, 245-249.	1.4	22
840	Partially mobile and partially localized monolayer films I: Adsorption of single gases on solids. Thin Solid Films, 1978, 52, 295-304.	1.8	6
841	General model of physical adsorption: Monomolecular adsorption of single gases on homogeneous solid surfaces. Surface Science, 1978, 77, 365-377.	1.9	6
842	Consequences of assuming the Bragg-Williams approximation in mixed-gas adsorption. Surface Science, 1978, 78, L501-L503.	1.9	14
843	General formulation of kinetics of mixed-gas adsorption on heterogeneous solid surfaces. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 1292.	1.1	10
844	Statistical thermodynamics of mixed-gas adsorption. Localized monolayer adsorption on heterogeneous surfaces. Journal of the Chemical Society, Faraday Transactions 2, 1977, 73, 933.	1.1	24
845	Supplementary note to the paper "adsorption of gas mixtures on heterogeneous surfaces". Surface Science, 1977, 66, 652-654.	1.9	8
846	Some remarks on the characterization of gas-solid chromatographic systems. Journal of Chromatography A, 1977, 133, 349-351.	3.7	1

#	ARTICLE	IF	CITATIONS
847	Determination of the isosteric heat of adsorption by gas adsorption chromatography. Journal of Chromatography A, 1977, 131, 1-5.	3.7	3
848	Studies of chromatographic packings comprising chemically bonded phases obtained from porous glass beads. Journal of Chromatography A, 1977, 131, 7-18.	3.7	16
849	Adsorption of gas mixtures on heterogeneous surfaces. Journal of Colloid and Interface Science, 1977, 59, 230-242.	9.4	20
850	Adsorption of gas mixtures on heterogeneous surfaces. Journal of Colloid and Interface Science, 1977, 59, 371-375.	9.4	13
851	On the microporous structure of glass beads. Chromatographia, 1977, 10, 191-193.	1.3	3
852	On the characterization of microporous adsorbents. Carbon, 1977, 15, 107-111.	10.3	13
853	On the Gonzalez-Holland model for adsorption of gas mixtures. AIChE Journal, 1977, 23, 605-607.	3.6	8
854	Extension of the model of associated adsorbate to adsorption on patchwise heterogeneous surfaces. Thin Solid Films, 1977, 46, 239-247.	1.8	7
855	Adsorption of gas mixtures on heterogeneous solid surfaces II. Adsorption isotherms for gaseous mixtures whose pure-gas isotherms show the Freundlich, T _A ³ th and Langmuir behaviours. Colloid and Polymer Science, 1977, 255, 32-34.	2.1	19
856	Adsorption on heterogeneous surfaces: Consequence of assuming the Jovanoviċ equation for local adsorption. Colloid and Polymer Science, 1977, 255, 374-378.	2.1	5
857	A simple procedure for obtaining adsorption isotherms of gas mixtures on heterogeneous surfaces. Colloid and Polymer Science, 1977, 255, 176-177.	2.1	8
858	Some remarks on the maximum adsorption energy. Surface Science, 1976, 54, 189-193.	1.9	6
859	Studies of energetic heterogeneity of adsorbents by liquid chromatography. Chromatographia, 1976, 9, 143-147.	1.3	3
860	Analytical expressions for the retention volume in gas adsorption chromatography. Chromatographia, 1976, 9, 161-167.	1.3	27
861	Statistical interpretation of the Jovanoviċ adsorption isotherms. Colloid and Polymer Science, 1976, 254, 601-605.	2.1	20
862	Adsorption of gas mixtures on heterogeneous solid surfaces: I. Extension of T _A ³ th isotherm on adsorption from gas mixtures. Colloid and Polymer Science, 1976, 254, 643-649.	2.1	56
863	Physisorption of gaseous and liquid mixtures on real solid surfaces. Journal of Low Temperature Physics, 1976, 24, 253-259.	1.4	10
864	Thermodynamics of localized and non-localized adsorption on patchwise heterogeneous surfaces. Thin Solid Films, 1976, 37, L43-L47.	1.8	8

#	ARTICLE	IF	CITATIONS
865	Adsorption parameters and the form of the energy distribution function - a discussion. Thin Solid Films, 1976, 31, 321-328.	1.8	31
866	Multilayer adsorption of binary gas mixtures on heterogeneous solid surfaces. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 56, 53-54.	2.1	11
867	Study on the possibility of determining the adsorbent heterogeneity by using the exponential adsorption isotherm. Physics Letters, Section A: General, Atomic and Solid State Physics, 1976, 59, 259-260.	2.1	9
868	Effects of surface heterogeneity in adsorption from binary liquid mixtures. I. Adsorption from ideal solutions. Journal of Colloid and Interface Science, 1976, 56, 403-411.	9.4	72
869	Analogy between gas adsorption and liquid adsorption chromatography. Journal of Chromatography A, 1976, 117, 11-21.	3.7	17
870	Determination of the pre-exponential factor of Henry's constant by gas adsorption chromatography. Journal of Chromatography A, 1976, 121, 185-198.	3.7	32
871	Application of Gas-Adsorption Chromatography Data to Investigation of the Adsorptive Properties of Adsorbents. Separation Science, 1976, 11, 29-37.	0.6	13
872	Some Remarks on Application of Gas-Adsorption Chromatography Data for Investigations of the Adsorptive Properties of Adsorbents. Separation Science, 1976, 11, 411-415.	0.6	4
873	Gas adsorption on heterogeneous surfaces: A detailed computation of adsorption energy distribution. European Physical Journal D, 1975, 25, 891-901.	0.4	23
874	Studies on energetic heterogeneity of adsorbents by means of liquid chromatography. Chromatographia, 1975, 8, 234-239.	1.3	13
875	Determination of energy distribution function from observed adsorption isotherms. Colloid and Polymer Science, 1975, 253, 164-166.	2.1	56
876	General method for evaluating the energy distribution function from the observed adsorption isotherm. Colloid and Polymer Science, 1975, 253, 683-685.	2.1	17
877	Adsorption of binary gas mixtures on heterogeneous surfaces. Physics Letters, Section A: General, Atomic and Solid State Physics, 1975, 53, 59-60.	2.1	27
878	A modification of the chromatographic Hobson method for studying heterogeneity of adsorbents. Journal of Chromatography A, 1975, 110, 381-384.	3.7	13
879	Adsorption of gas mixtures on heterogeneous surfaces. Analytical solution of integral equation for jovanovic adsorption isotherm. Journal of Colloid and Interface Science, 1975, 53, 422-428.	9.4	33
880	Adsorption of gas mixtures on heterogeneous surfaces adsorption of carbon dioxide and xenon on aluminum oxide. Journal of Colloid and Interface Science, 1975, 52, 41-45.	9.4	24
881	Adsorption of gas mixtures on heterogeneous surfaces: The integral representation for a monolayer total adsorption isotherm. Surface Science, 1975, 52, 641-652.	1.9	25
882	Investigation of solutions of the integral adsorption equation in respect to the range of integration of the adsorption energy. Surface Science, 1975, 47, 429-439.	1.9	31

#	ARTICLE	IF	CITATIONS
883	Adsorption on heterogeneous surfaces: The exponential equation for the overall adsorption isotherm. Surface Science, 1975, 50, 553-564.	1.9	167
884	A new isotherm equation for multilayer adsorption on heterogeneous surfaces yielding the Dubinin-Radushkevich isotherm in the submonolayer region. Physics Letters, Section A: General, Atomic and Solid State Physics, 1974, 48, 171-172.	2.1	20
885	New possibilities of investigating adsorption phenomena by gas chromatography: Estimation of adsorbent heterogeneity from the pressure dependence of retention data. Chromatographia, 1974, 7, 663-668.	1.3	21
886	Adsorption on heterogeneous surfaces. Surface Science, 1974, 42, 552-564.	1.9	56
887	Graphical estimation of adsorbent heterogeneity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1972, 41, 449-450.	2.1	16