

Kenneth J Balkus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7727828/publications.pdf>

Version: 2024-02-01

180
papers

11,830
citations

38660

50
h-index

28224

105
g-index

180
all docs

180
docs citations

180
times ranked

13970
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium Hydroxide Templated Hierarchical Porous Carbon Nanosheets as Electrodes for High-Energy-Density Supercapacitors. ACS Applied Energy Materials, 2022, 5, 6805-6813.	2.5	8
2	Two-Dimensional Hexagonal-Shaped Mesoporous Carbon Sheets for Supercapacitors. ACS Omega, 2022, 7, 27896-27902.	1.6	9
3	Hybrid supercapacitors using electrodes from fibers comprising polymer blend metal oxide composites with polymethacrylic acid as chelating agent. Nanotechnology, 2021, 32, 325401.	1.3	6
4	Reduced Aging in Carbon Molecular Sieve Membranes Derived from PIM-1 and MOP-18. Industrial & Engineering Chemistry Research, 2021, 60, 9962-9970.	1.8	12
5	Holmium-based metal-organic frameworks using the BDC linker. Polyhedron, 2021, 205, 115283.	1.0	7
6	Critical Rare Earth Element Recovery from Coal Ash Using Microsphere Flower Carbon. ACS Applied Materials & Interfaces, 2021, 13, 48492-48499.	4.0	8
7	Fluoro-Bridged Clusters in Rare-Earth Metal Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 17995-18000.	6.6	37
8	Yttrium Oxide-Catalyzed Formation of Electrically Conductive Carbon for Supercapacitors. ACS Applied Energy Materials, 2021, 4, 12499-12507.	2.5	11
9	Graphene-like Carbon from Calcium Hydroxide. ACS Omega, 2021, 6, 31066-31076.	1.6	8
10	The Importance of Evaluating the Lot-to-Lot Batch Consistency of Commercial Multi-Walled Carbon Nanotube Products. Nanomaterials, 2020, 10, 1930.	1.9	3
11	Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery. Materials, 2020, 13, 1998.	1.3	21
12	Characterization of a Holmium 4,4'-Biphenyldicarboxylate Metal-Organic Framework and Its Potential as a Holmium Carrier System. Journal of Nanoscience and Nanotechnology, 2020, 20, 3019-3024.	0.9	10
13	Aromatic Polyimides Containing Diaminobenzoic Acid as <i>in Situ</i> Porogen for Electrochemical Supercapacitors. ACS Applied Polymer Materials, 2019, 1, 3203-3209.	2.0	7
14	Binder free carbon nanofiber electrodes derived from polyacrylonitrile-lignin blends for high performance supercapacitors. Nanotechnology, 2019, 30, 355402.	1.3	51
15	Biphenyl-bridged wrinkled mesoporous silica nanoparticles for radioactive iodine capture. MRS Advances, 2019, 4, 435-439.	0.5	0
16	Transition from a 1D Coordination Polymer to a Mixed-Linker Layered MOF. Inorganic Chemistry, 2019, 58, 5031-5041.	1.9	13
17	Fabrication and characterization of aging resistant carbon molecular sieve membranes for C3 separation using high molecular weight crosslinkable polyimide, 6FDA-DABA. Journal of Membrane Science, 2019, 581, 430-438.	4.1	36
18	Synthesis and characterization of a holmium 2,2'-bipyridine-5,5'-dicarboxylate MOF: Towards the construction of a suitable holmium carrier. Polyhedron, 2019, 159, 12-17.	1.0	11

#	ARTICLE	IF	CITATIONS
19	Nanocast carbon microsphere flowers from a lanthanum-based template. <i>Materials Letters</i> , 2019, 234, 224-227.	1.3	7
20	Wrinkled mesoporous carbon supported Pd nanoparticles for hydrogenation and aerobic oxidation reactions. <i>Journal of Porous Materials</i> , 2018, 25, 15-21.	1.3	6
21	The Effect of Sample Preparation on Observed Microstructure in Polymeric and Polymer Composite Gas Separation Membranes. <i>Microscopy and Microanalysis</i> , 2018, 24, 1456-1457.	0.2	0
22	Wrinkled Mesoporous Silica Supported Lanthanum Oxide as a Template for Porous Carbon. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 414-418.	0.9	10
23	Lanthanum Hydroxide Nanorod-Templated Graphitic Hollow Carbon Nanorods for Supercapacitors. <i>ACS Omega</i> , 2018, 3, 13913-13918.	1.6	17
24	Selective Extraction of Thorium from Rare Earth Elements Using Wrinkled Mesoporous Carbon. <i>Journal of the American Chemical Society</i> , 2018, 140, 14735-14739.	6.6	70
25	Synthesis and modification of titanium containing wrinkled mesoporous silica for cyclohexene epoxidation. <i>Microporous and Mesoporous Materials</i> , 2017, 243, 76-84.	2.2	25
26	Amine-functionalized (Al) MIL-53/VTECâ„¢ mixed-matrix membranes for H ₂ /CO ₂ mixture separations at high pressure and high temperature. <i>Journal of Membrane Science</i> , 2017, 530, 201-212.	4.1	26
27	Oxidative Dehydrogenation of Cyclohexane and Cyclohexene over Y-doped CeO ₂ Nanorods. <i>Catalysis Letters</i> , 2017, 147, 738-744.	1.4	10
28	Synthesis of wrinkled mesoporous carbon. <i>Materials Letters</i> , 2017, 195, 139-142.	1.3	17
29	Novel binder-free electrode materials for supercapacitors utilizing high surface area carbon nanofibers derived from immiscible polymer blends of PBI/6FDA-DAM:DABA. <i>RSC Advances</i> , 2017, 7, 20947-20959.	1.7	31
30	Liquid phase propylene oxidation with tert-butyl hydroperoxide over titanium containing wrinkled mesoporous silica. <i>Catalysis Communications</i> , 2017, 96, 15-18.	1.6	15
31	Polymer Blend Membranes for Gas Separations. , 2017, , 195-242.		0
32	Compatibilized Immiscible Polymer Blends for Gas Separations. <i>Materials</i> , 2016, 9, 643.	1.3	21
33	Origins and Evolution of Inorganic-Based and MOF-Based Mixed-Matrix Membranes for Gas Separations. <i>Processes</i> , 2016, 4, 32.	1.3	42
34	Radiotherapeutic bandage for the treatment of squamous cell carcinoma of the skin. <i>Nuclear Medicine and Biology</i> , 2016, 43, 333-338.	0.3	18
35	Encapsulation of red sulfur chromophores in a zeolitic imidazolate framework (ZIF-8) via solvent assisted linker exchange. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 172-177.	2.2	12
36	Carbonate-Based Zeolitic Imidazolate Framework for Highly Selective CO ₂ Capture. <i>Inorganic Chemistry</i> , 2015, 54, 1816-1821.	1.9	52

#	ARTICLE	IF	CITATIONS
37	Novel wrinkled periodic mesoporous organosilica nanoparticles for hydrophobic anticancer drug delivery. <i>Journal of Porous Materials</i> , 2015, 22, 1-10.	1.3	57
38	Fabrication of a Substituted Imidazolate Material 1 (SIM-1) membrane using post synthetic modification (PSM) for pervaporation of water/ethanol mixtures. <i>Journal of Porous Materials</i> , 2015, 22, 1275-1284.	1.3	17
39	Gas Separation Membranes Derived from High-Performance Immiscible Polymer Blends Compatibilized with Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18618-18627.	4.0	35
40	Nitric oxide- and cisplatin-releasing silica nanoparticles for use against non-small cell lung cancer. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 23-31.	1.5	66
41	Chemoradiotherapeutic Magnetic Nanoparticles for Targeted Treatment of Nonsmall Cell Lung Cancer. <i>Molecular Pharmaceutics</i> , 2015, 12, 3588-3596.	2.3	52
42	Electrospun nitric oxide releasing bandage with enhanced wound healing. <i>Acta Biomaterialia</i> , 2015, 13, 121-130.	4.1	84
43	Composite membranes with a highly selective polymer skin for hydrogen separation. <i>Separation and Purification Technology</i> , 2014, 135, 190-198.	3.9	25
44	Radiotherapeutic Bandage Based on Electrospun Polyacrylonitrile Containing Holmium-166 Iron Garnet Nanoparticles for the Treatment of Skin Cancer. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22250-22256.	4.0	37
45	Tuning the crystal size and morphology of the substituted imidazole material, SIM-1. <i>Journal of Porous Materials</i> , 2014, 21, 889-902.	1.3	26
46	Metal-organic polyhedra 18 mixed-matrix membranes for gas separation. <i>Journal of Membrane Science</i> , 2014, 463, 82-93.	4.1	79
47	Synthesis, Characterization, and Photocatalytic Activity of Y-Doped CeO ₂ Nanorods. <i>ACS Catalysis</i> , 2014, 4, 577-584.	5.5	301
48	Stabilization of immiscible polymer blends using structure directing metal organic frameworks (MOFs). <i>Polymer</i> , 2014, 55, 2028-2034.	1.8	61
49	Sensitive and selective real-time electrochemical monitoring of DNA repair. <i>Biosensors and Bioelectronics</i> , 2014, 54, 541-546.	5.3	50
50	Electrospun Cellulose Acetate-Garnet Nanocomposite Magnetic Fibers for Bioseparations. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 244-251.	4.0	33
51	Coated melt-spun acrylonitrile-based suture for delayed release of nitric oxide. <i>Materials Letters</i> , 2014, 125, 221-223.	1.3	8
52	Synthesis of TiO ₂ nanotube films via pulsed laser deposition followed by a hydrothermal treatment. <i>Journal of Experimental Nanoscience</i> , 2014, 9, 126-137.	1.3	4
53	MIL-53 frameworks in mixed-matrix membranes. <i>Microporous and Mesoporous Materials</i> , 2014, 196, 165-174.	2.2	106
54	Novel Nanofiltration Hollow Fiber Membrane Produced via Electrospinning. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3473-3480.	1.8	46

#	ARTICLE	IF	CITATIONS
55	Metal Oxide Nanotube, Nanorod, and Quantum Dot Photocatalysis. , 2013, , 213-244.		8
56	Storage and delivery of nitric oxide via diazeniumdiolated metal organic framework. Microporous and Mesoporous Materials, 2013, 181, 17-22.	2.2	38
57	Instrument for gas permeation measurements at high pressure and high temperature. Review of Scientific Instruments, 2013, 84, 065107.	0.6	10
58	Manganese oxide nanorodâ€“graphene/vanadium oxide nanowireâ€“graphene binder-free paper electrodes for metal oxide hybrid supercapacitors. Nano Energy, 2013, 2, 966-975.	8.2	125
59	Vanadium oxide nanowire â€“ Graphene binder free nanocomposite paper electrodes for supercapacitors: A facile green approach. Journal of Power Sources, 2013, 230, 130-137.	4.0	142
60	Selective detection of olefins using a luminescent silver-functionalized metal organic framework, RPM3. Microporous and Mesoporous Materials, 2013, 174, 100-107.	2.2	34
61	Surface Cross-Linking of ZIF-8/Polyimide Mixed Matrix Membranes (MMMs) for Gas Separation. Industrial & Engineering Chemistry Research, 2013, 52, 6991-7001.	1.8	178
62	Fabrication of Oriented Silver-Functionalized RPM3 Films for the Selective Detection of Olefins. Langmuir, 2013, 29, 5927-5936.	1.6	26
63	Acrylonitrile-Based Nitric Oxide Releasing Melt-Spun Fibers for Enhanced Wound Healing. Macromolecules, 2012, 45, 5894-5900.	2.2	40
64	Tuning the Gate Opening Pressure of Metalâ€“Organic Frameworks (MOFs) for the Selective Separation of Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 15201-15204.	6.6	278
65	Alkaline deoxygenated graphene oxide for supercapacitor applications: An effective green alternative for chemically reduced graphene. Journal of Power Sources, 2012, 215, 1-10.	4.0	128
66	Enzyme Immobilization via Electrospinning. Topics in Catalysis, 2012, 55, 1057-1069.	1.3	55
67	Hydrothermal Synthesis of Graphene-TiO ₂ Nanotube Composites with Enhanced Photocatalytic Activity. ACS Catalysis, 2012, 2, 949-956.	5.5	863
68	Layer-by-layer assembly of titanate nanosheets/poly- (ethylenimine) on PEN films. Materials Letters, 2012, 66, 242-245.	1.3	8
69	Exfoliated graphite nanoplateletsâ€“V ₂ O ₅ nanotube composite electrodes for supercapacitors. Journal of Power Sources, 2012, 203, 227-232.	4.0	112
70	Nafion-sulfonated dendrimer composite membranes for fuel cell applications. Journal of Membrane Science, 2012, 392-393, 175-180.	4.1	19
71	Mixed Matrix Membranes Based on Metal Organic Frameworks. , 2012, , 83-93.		6
72	Nitrosocysteine-Decorated PbS QDs/TiO ₂ Nanotubes for Enhanced Production of Singlet Oxygen. Journal of the American Chemical Society, 2011, 133, 3492-3497.	6.6	83

#	ARTICLE	IF	CITATIONS
73	Low-Temperature Synthesis of Copper(II) Sulfide Quantum Dot Decorated TiO ₂ Nanotubes and Their Photocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6175-6180.	1.5	109
74	Perspective of Recent Progress in Immobilization of Enzymes. <i>ACS Catalysis</i> , 2011, 1, 956-968.	5.5	428
75	Vanadium Oxide Nanotube Spherical Clusters Prepared on Carbon Fabrics for Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 4512-4517.	4.0	76
76	Fabrication of cellulase protein fibers through concentric electrospinning. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 1-5.	1.8	9
77	Vanadium Oxide Nanowire-Carbon Nanotube Binder-Free Flexible Electrodes for Supercapacitors. <i>Advanced Energy Materials</i> , 2011, 1, 936-945.	10.2	303
78	Preparation of a Delivery System for Smart Coatings by Electrostatic Deposition. <i>ACS Symposium Series</i> , 2010, , 31-44.	0.5	2
79	Storage and Release of Nitric Oxide from Molecular Sieve Nanoparticles. <i>ACS Symposium Series</i> , 2010, , 181-192.	0.5	2
80	Molecular sieving realized with ZIF-8/Matrimid® mixed-matrix membranes. <i>Journal of Membrane Science</i> , 2010, 361, 28-37.	4.1	776
81	TiO ₂ Nanotube Films via Laser Ablation for Solar Cells. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1211, 1.	0.1	0
82	Electrospinning of beta silicon carbide nanofibers. <i>Materials Letters</i> , 2009, 63, 2361-2364.	1.3	36
83	Mixed-matrix membranes containing MOF-5 for gas separations. <i>Journal of Membrane Science</i> , 2009, 328, 165-173.	4.1	524
84	Microwave assisted synthesis of ETS-10. <i>Journal of Porous Materials</i> , 2009, 16, 487.	1.3	5
85	Photocatalytic Activity of PbS Quantum Dot/TiO ₂ Nanotube Composites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10755-10760.	1.5	125
86	Novel Delivery System for the Bioregulatory Agent Nitric Oxide. <i>Chemistry of Materials</i> , 2009, 21, 5032-5041.	3.2	32
87	Electrospinning of Poly(alkoxyphenylenevinylene) and Methanofullerene Nanofiber Blends. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1958-1965.	4.0	18
88	Proton conductivity of acid-doped meta-polyaniline. <i>Journal of Membrane Science</i> , 2008, 313, 86-90.	4.1	37
89	A Delivery System for Self-Healing Inorganic Films. <i>Advanced Functional Materials</i> , 2008, 18, 3620-3629.	7.8	37
90	Proton-conducting membranes based on HTFSI-doped PEI/SiO ₂ nanocomposites. <i>Journal of Membrane Science</i> , 2008, 313, 91-96.	4.1	17

#	ARTICLE	IF	CITATIONS
91	Gas permeability properties of Matrimid® membranes containing the metal-organic framework Cu-BPY-HFS. <i>Journal of Membrane Science</i> , 2008, 313, 170-181.	4.1	337
92	Mixed-matrix membranes composed of Matrimid® and mesoporous ZSM-5 nanoparticles. <i>Journal of Membrane Science</i> , 2008, 325, 28-39.	4.1	171
93	Surface and subsurface characterization of epoxy-mesoporous silica composites to clarify tribological properties. <i>Wear</i> , 2008, 265, 88-96.	1.5	21
94	Mesoporous benzene silica functionalized with various amine groups. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 86-94.	2.2	7
95	Photoluminescent and redox active periodic mesoporous organosilicas based on 2,7-diazapyrene. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 1-13.	2.2	21
96	Conventional and microwave hydrothermal synthesis of zeolite ZSM-5 from the cupola slag. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 260-266.	2.2	51
97	Microwave synthesis of gallium zinc phosphate NTHU-4. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 325-332.	2.2	7
98	Fabrication of Silver Vanadium Oxide and V_2O_5 Nanowires for Electrochromics. <i>ACS Nano</i> , 2008, 2, 293-301.	7.3	293
99	Microperoxidase-11 Immobilized in a Metal Organic Framework. <i>ACS Symposium Series</i> , 2008, , 76-98.	0.5	5
100	Gas Permeability Properties of Mixed-Matrix Matrimid Membranes Containing a Carbon Aerogel: A Material with Both Micropores and Mesopores. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 2794-2802.	1.8	50
101	The Facile Preparation of Partially Reduced V_2O_5 Nanowire Sheets. <i>ACS Symposium Series</i> , 2008, , 152-170.	0.5	0
102	Novel Polysilsesquioxane Hybrid Membranes for Proton Exchange Membrane Fuel Cell (PEMFC) Applications. <i>Separation Science and Technology</i> , 2008, 43, 3981-4008.	1.3	6
103	Fabrication of PbS Quantum Dot Doped TiO_2 Nanotubes. <i>ACS Nano</i> , 2008, 2, 1682-1688.	7.3	196
104	Microwave synthesis of NTHU-4. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 314-321.	1.5	0
105	A novel pathway to TiO_2 , TiO_2 - SnO_2 nanofibers and core shell structures from mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 1514-1521.	1.5	1
106	Mesoporous Molecular Sieve Derived TiO_2 Nanofibers Doped with SnO_2 . <i>Journal of Physical Chemistry C</i> , 2007, 111, 10359-10367.	1.5	46
107	Electrospun linear polyethyleneimine scaffolds for cell growth. <i>Acta Biomaterialia</i> , 2007, 3, 1050-1059.	4.1	77
108	TiO_2 Nanofibers and Core-Shell Structures Prepared Using Mesoporous Molecular Sieves as Templates. <i>Small</i> , 2006, 2, 52-55.	5.2	30

#	ARTICLE	IF	CITATIONS
109	Transformation of mesoporous benzene silica to nanoporous carbon. <i>Microporous and Mesoporous Materials</i> , 2006, 91, 276-285.	2.2	12
110	Microwave synthesis of ETS-4 and ETS-4 thin films. <i>Microporous and Mesoporous Materials</i> , 2006, 90, 229-236.	2.2	23
111	Hybrid materials for immobilization of MP-11 catalyst. <i>Topics in Catalysis</i> , 2006, 38, 269-278.	1.3	108
112	Synthesis of proton conducting tungstosilicate mesoporous materials and polymer composite membranes. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 217-234.	2.2	7
113	Preparation and characterization of UTD-12/ZSM-48 thin films via pulsed-laser deposition. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 125-134.	2.2	4
114	Proton conducting polyaniline molecular sieve composites. <i>Microporous and Mesoporous Materials</i> , 2005, 81, 321-332.	2.2	21
115	Fabrication of hollow spheres composed of nanosized ZSM-5 crystals via laser ablation. <i>Microporous and Mesoporous Materials</i> , 2005, 86, 14-22.	2.2	33
116	Electrospun mesoporous metal oxide fibers. <i>Microporous and Mesoporous Materials</i> , 2005, 86, 1-13.	2.2	71
117	Fabrication of TiO ₂ Nanofibers from a Mesoporous Silica Film. <i>Chemistry of Materials</i> , 2005, 17, 5136-5140.	3.2	48
118	Novel Strategies for the Preparation of TiO ₂ Nanofibers. <i>Materials Research Society Symposia Proceedings</i> , 2004, 836, L5.14.1.	0.1	0
119	Preparation and Characterization of Mordenite Thin Films via Pulsed Laser Deposition. <i>Journal of Porous Materials</i> , 2004, 11, 191-209.	1.3	6
120	Synthesis and Characterization of Organosilane Functionalized DAM-1 Mesoporous Silica. <i>Journal of Porous Materials</i> , 2004, 11, 239-254.	1.3	21
121	Synthesis of DAM-1 molecular sieves containing single walled carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2004, 67, 61-65.	2.2	7
122	Electrospun mesoporous titanium dioxide fibers. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 77-83.	2.2	205
123	Recrystallization of layered silicates to silicalite-1. <i>Microporous and Mesoporous Materials</i> , 2004, 69, 85-96.	2.2	37
124	Synthesis of Kenyaite, Magadiite and Octosilicate Using Poly(ethylene glycol) as a Template. <i>Journal of Porous Materials</i> , 2003, 10, 5-15.	1.3	32
125	Direct Synthesis of ZSM-5 and Mordenite Using Poly(ethylene glycol) as a Structure-Directing Agent. <i>Journal of Porous Materials</i> , 2003, 10, 235-242.	1.3	15
126	Electrospun mesoporous molecular sieve fibers. <i>Microporous and Mesoporous Materials</i> , 2003, 63, 75-84.	2.2	73

#	ARTICLE	IF	CITATIONS
127	Electrospun MEH-PPV/SBA-15 Composite Nanofibers Using a Dual Syringe Method. Journal of the American Chemical Society, 2003, 125, 14531-14538.	6.6	259
128	Optical encoding with shaped DAM-1 molecular sieve particles. Lab on A Chip, 2003, 3, 132.	3.1	14
129	The Preparation of Partially Oriented Zeolite Thin Films via Pulsed Laser Ablation. Materials Research Society Symposia Proceedings, 2002, 752, 1.	0.1	0
130	Synthesis of Large Pore Zeolites and Molecular Sieves. Progress in Inorganic Chemistry, 2002, , 217-268.	3.0	8
131	Selective Matrimid Membranes Containing Mesoporous Molecular Sieves. Materials Research Society Symposia Proceedings, 2002, 752, 1.	0.1	4
132	Preparation of partially oriented zeolite MCM-22 membranes via pulsed laser deposition. Microporous and Mesoporous Materials, 2002, 52, 141-150.	2.2	31
133	Preparation and characterization of zeolite X membranes via pulsed-laser deposition. Microporous and Mesoporous Materials, 2002, 52, 79-91.	2.2	38
134	Further studies of DAM-1 mesoporous silica preparations. Microporous and Mesoporous Materials, 2002, 54, 229-248.	2.2	30
135	Molecular imprinting of mesoporous SBA-15 with chiral ruthenium complexes. Microporous and Mesoporous Materials, 2002, 54, 249-255.	2.2	28
136	Pulsed laser deposition of zeolite NaX thin films on silica fibers. Microporous and Mesoporous Materials, 2002, 56, 47-53.	2.2	22
137	Gas Permeability Properties of Polysulfone Membranes Containing the Mesoporous Molecular Sieve MCM-41. Chemistry of Materials, 2001, 13, 2366-2373.	3.2	187
138	Preparation of Line Patterned Mesoporous DAM-1 Thin Films via Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2001, 704, 10111.	0.1	0
139	Enantioselective epoxidations catalyzed by zeolite MCM-22 encapsulated Jacobsen's catalyst. Catalysis Letters, 2001, 74, 77-80.	1.4	33
140	Preparation and Charaterization of DAM-1 type Materials. Materials Research Society Symposia Proceedings, 2000, 662, 1.	0.1	0
141	Molecular sieve coatings on spherical substrates via pulsed laser deposition. Microporous and Mesoporous Materials, 2000, 34, 31-42.	2.2	19
142	Oriented films of mesoporous MCM-41 macroporous tubules via pulsed laser deposition. Microporous and Mesoporous Materials, 2000, 38, 97-105.	2.2	49
143	Preparation and characterization of oriented MAPO-39 membranes. Microporous and Mesoporous Materials, 2000, 38, 107-121.	2.2	27
144	Cytochrome c immobilization into mesoporous molecular sieves. Journal of Molecular Catalysis B: Enzymatic, 2000, 10, 453-469.	1.8	228

#	ARTICLE	IF	CITATIONS
145	Synthesis and Characterization of DAM-1 type Materials. Materials Research Society Symposia Proceedings, 2000, 628, 1.	0.1	5
146	Pulsed laser deposition of mesoporous niobium oxide thin films and application as chemical sensors. Microporous and Mesoporous Materials, 1999, 28, 113-123.	2.2	78
147	Zeolite Coatings on Three-Dimensional Objects via Laser Ablation. Chemistry of Materials, 1999, 11, 189-191.	3.2	29
148	Preparation of Oriented Zeolite UTD-1 Membranes via Pulsed Laser Ablation. Journal of the American Chemical Society, 1999, 121, 139-146.	6.6	59
149	Photoluminescent properties of MCM-41 molecular sieves. Microporous and Mesoporous Materials, 1998, 20, 67-76.	2.2	77
150	Preparation of FeAPO-5 Molecular Sieve Thin Films and Application as a Capacitive Type Humidity Sensor. Chemistry of Materials, 1998, 10, 4114-4122.	3.2	41
151	Preparation of Zeolite UTD-1 Films by Pulsed Laser Ablation: Evidence for Oriented Crystal Growth. Chemistry of Materials, 1998, 10, 464-466.	3.2	53
152	Synthesis and Characterization of CuAPO-5 Molecular Sieves: Evidence for the Framework Incorporation of Cu(II) Ions. Journal of Physical Chemistry B, 1998, 102, 1379-1386.	1.2	34
153	Pulsed Laser Ablation of Low-Density Nanoporous Metal Oxides. Materials Research Society Symposia Proceedings, 1998, 526, 391.	0.1	1
154	The synthesis and characterization of UTD-1: The first large pore zeolite based on a 14 membered ring system. Studies in Surface Science and Catalysis, 1997, 105, 415-421.	1.5	19
155	Characterization of the Extra-Large-Pore Zeolite UTD-1. Journal of the American Chemical Society, 1997, 119, 8474-8484.	6.6	168
156	A Capacitance Type Chemical Sensor Based on AlPO-5 Molecular Sieves. Chemistry of Materials, 1997, 9, 380-386.	3.2	38
157	Synthesis and Characterization of Cobalt ²⁺ Complex Functionalized MCM-41. Chemistry of Materials, 1997, 9, 61-67.	3.2	197
158	Synthesis and Characterization of GaPO ₄ Molecular Sieves Using Metal Complexes as Templates. Materials Research Society Symposia Proceedings, 1996, 454, 217.	0.1	6
159	A Study of Suspending Agents for Gadolinium(III)-Exchanged Hectorite. An Oral Magnetic Resonance Imaging Contrast Agent. Langmuir, 1996, 12, 6277-6281.	1.6	28
160	Enzyme immobilization in MCM-41 molecular sieve. Journal of Molecular Catalysis B: Enzymatic, 1996, 2, 115-126.	1.8	566
161	Oxidations catalyzed by zeolite ship-in-a-bottle complexes. Applied Catalysis A: General, 1996, 143, 159-173.	2.2	136
162	Studies of Gadolinium(III)-Modified Hectorite Clays as Potential Oral MRI Contrast Agents. The Journal of Physical Chemistry, 1996, 100, 16429-16434.	2.9	19

#	ARTICLE	IF	CITATIONS
163	Comment on "Zeolite-Modified Electrodes: Intra- versus Extrazeolite Electron Transfer. The Journal of Physical Chemistry, 1996, 100, 8607-8609.	2.9	45
164	Gadolinium zeolite as an oral contrast agent for magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 1995, 5, 499-508.	1.9	58
165	The preparation and characterization of AlPO ₄ thin films via laser ablation of AlPO ₄ -H ₄ . Thin Solid Films, 1995, 260, 4-9.	0.8	20
166	The synthesis and characterization of the molecular sieve SAPO-16 as well as other SAPO and CoAPO phases using bis(cyclopentadienyl) cobalt(III) hydroxide as a structure directing agent. Journal of Porous Materials, 1995, 1, 199-206.	1.3	9
167	Cyclohexane oxidation catalyzed by zeolite encapsulated ruthenium perfluorophthalocyanines. Studies in Surface Science and Catalysis, 1995, 94, 713-719.	1.5	36
168	Oxidation of alkanes catalyzed by zeolite-encapsulated perfluorinated ruthenium phthalocyanines. Journal of the American Chemical Society, 1995, 117, 10753-10754.	6.6	200
169	Zeolite encapsulated cobalt(II) and copper(II) perfluorophthalocyanines. Synthesis and characterization. Inorganic Chemistry, 1994, 33, 67-72.	1.9	144
170	Molecular Sieve Based Chemical Sensors. Materials Research Society Symposia Proceedings, 1994, 351, 263.	0.1	6
171	Molecular Sieve Thin Films via Laser Ablation. Materials Research Society Symposia Proceedings, 1994, 351, 437.	0.1	11
172	Molecular Sieve Synthesis using Metallocenes as Structure Directing Agents. Materials Research Society Symposia Proceedings, 1994, 368, 369.	0.1	21
173	Molecular Sieve Based Chemical Sensors. Materials Research Society Symposia Proceedings, 1994, 371, 33.	0.1	9
174	Electrochemistry of zeolite-encapsulated cobalt salen complexes in acetonitrile and dimethyl sulphoxide solutions. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3831.	1.7	68
175	The preparation and characterization of an X-type zeolite: An experiment in solid-state chemistry. Journal of Chemical Education, 1991, 68, 875.	1.1	33
176	The Application Of Molecular Sieves As Magnetic Resonance Imaging Contrast Agents. Materials Research Society Symposia Proceedings, 1991, 233, 225.	0.1	6
177	The encapsulation of Rh(III) phthalocyanines in zeolites X and Y. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 10, 141-151.	1.6	32
178	The preparation and characterization of Rh(III) SALEN complexes encapsulated in zeolites X and Y. Zeolites, 1990, 10, 722-729.	0.9	61
179	Organometallic reactions of rhodium octaethylporphyrin species in pyridine. Heterolytic cleavage of [(OEP)Rh] ₂ and metalloanion activation of carbon monoxide. Organometallics, 1989, 8, 950-955.	1.1	41
180	Cobalt(II)-facilitated transport of dioxygen in a polystyrene membrane. Inorganic Chemistry, 1986, 25, 716-718.	1.9	44