RESEARCH & PUBLICATIONS

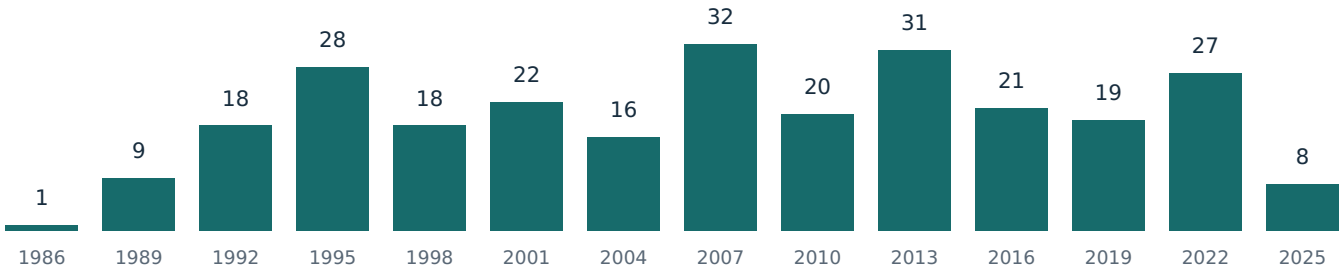
Kenneth J Balkus

A publication record at a glance

270	14,675	58
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 3-year periods



MOST CITED IN THIS LIST

Hydrothermal Synthesis of Graphene-TiO2 Nanotube Composites With Enhanced Photocatalytic Activity — 944
2012 ACS Catalysis

Molecular Sieving Realized With ZIF-8/Matrimid® Mixed-Matrix Membranes — 921
2010 Journal of Membrane Science

Enzyme Immobilization in MCM-41 Molecular Sieve — 589
1996 Journal of Molecular Catalysis B: Enzymatic

This publication list was generated automatically from the exaly database without manual editing. It reflects the database records available when the document was created.

For the latest record and an updated publication list, visit the author profile:

https://exaly.com/author/7727828

Document version: 2026-11-12 (UTC) | Database snapshot: 2026-11-10

Ordered by publication year, newest first

2026

01 **Europium Oxide Templated Carbon Aerogels for Efficient Sound Insulation**
Carbon · 247, 121067
https://exaly.com/article/207205221
1 citations

02 **Synthesis of a New Holmium Metal-Organic Framework and Templating Ho-UiO-66 Using Cobaltocenium Complex**
Inorganic Chemistry Communication · 186, 116322
https://exaly.com/article/210276845
1 citations

03 **Fulleroid-Containing Carbon-Only Composite for High-Performance Hybrid Supercapacitors**
Batteries and Supercaps · 9, e202500894
https://exaly.com/article/211681970
2 citations

04 **Degradation of Carbon-Adsorbed PFAS Using Yttrium Ions**
ACS ES&T Water · 6, 2912-2923
https://exaly.com/article/211807799
0 citations

05 **Tailoring Copper Pillars to Prevent Physical Aging in Matrimid® 5218 Carbon Molecular Sieve Membranes**
Membranes · 16, 133
https://exaly.com/article/212113359
0 citations

2025

06 **Structural and Magnetic Study of Fluorinated Gadolinium Metal–Organic Frameworks**
Crystal Growth and Design · 25, 5183-5192
https://exaly.com/article/202334211
2 citations

07 **Selective Extraction of Thorium Using Nanoporous Sulfate-Functionalized Fluoro-Bridged Holmium Metal–Organic Frameworks**
ACS Applied Nano Materials · 8, 18762-18771
https://exaly.com/article/205072723
4 citations

08 **Hollow Carbon Nanorod-Encapsulated Eu2O3 for High-Energy Hybrid Supercapacitors**
Batteries · 11, 355
https://exaly.com/article/205328391
4 citations

Ordered by publication year, newest first

2024

09 **Lanthanide Metal–Organic Frameworks Exhibiting Fluoro-Bridged Extended Chains: Synthesis, Crystal Structures, and Magnetic Properties** — 12 citations

Inorganic Chemistry · 63, 219-228

https://exaly.com/article/174290949

10 **RuxV2−xO5 Nanowire/Templated Carbon Composite Electrodes for Supercapacitors** — 5 citations

Next Materials · 3, 100112

https://exaly.com/article/175282559

11 **Fluoro-Bridged Rare-Earth Metal–Organic Frameworks** — 24 citations

Dalton Transactions · 53, 3445-3453

https://exaly.com/article/175524763

12 **Synthesis of Wrinkled Mesoporous Silica Encapsulated Gold Nanoparticles** — 6 citations

Journal of Porous Materials · 31, 869-876

https://exaly.com/article/176173862

13 **Vanadium Nitride-Vanadium Oxide-Carbon Nanofiber Hybrids for High Performance Supercapacitors** — 21 citations

Electrochimica Acta · 488, 143992

https://exaly.com/article/177393273

14 **MOP−18−Derived CuO Fiber for Hybrid Supercapacitor Electrodes** — 7 citations

Materials · 17, 1444

https://exaly.com/article/177450574

15 **Carbon Fiber Composite Electrodes Derived From Metal Organic Polyhedra-18 and Matrimid for Hybrid Supercapacitors** — 7 citations

Energy Advances · 3, 883-893

https://exaly.com/article/177636733

16 **Carbon–Carbon Composite Membranes Derived From Small-Molecule-Compatibilized Immiscible PBI/6FDA-DAM-DABA Polymer Blends** — 5 citations

Separations · 11, 108

https://exaly.com/article/177818555

17 **Synthesis and Characterization of Highly Fluorinated Hydrophobic Rare–Earth Metal–Organic Frameworks (MOFs)** — 8 citations

Materials · 17, 4213

https://exaly.com/article/188441523

Ordered by publication year, newest first

2024 / continued

18 (Nanocarbons Division Poster Award, 1st Place) Nd_2O_3 Templated Carbon Nanostructures for Energy Storage
ECS Meeting Abstracts · MA2024-01, 788
https://exaly.com/article/188494917
0 citations

19 Synthesis and Characterization of Holmium Based Metal–Organic Frameworks
CrystEngComm · 26, 5567-5573
https://exaly.com/article/192827522
8 citations

2023

20 Controlling Pore Size and Interlayer Space by Ring Rotation and Electron-Withdrawing Effects in a 2D MOF
Polyhedron · 230, 116211
https://exaly.com/article/157309443
12 citations

21 A Self-Assembled Nanoporous Polyelectrolytic Interlayer for Highly Stable Zinc Metal Anodes
Chemical Engineering Journal · 462, 142276
https://exaly.com/article/159677003
23 citations

22 Effect of the Annealing Temperature of Polybenzimidazole Membranes in High Pressure and High Temperature H_2/CO_2 Gas Separations
Journal of Membrane Science · 677, 121619
https://exaly.com/article/159688580
18 citations

23 Synthesis of Fluoro-Bridged Ho^{3+} and Gd^{3+} 1,3,5-Tris(4-Carboxyphenyl)Benzene Metal–Organic Frameworks From Perfluoroalkyl Substances
Inorganic Chemistry · 62, 4314-4321
https://exaly.com/article/161227573
18 citations

24 Transformation of a Copper-Based Metal–Organic Polyhedron Into a Mixed Linker MOF for CO_2 Capture
Dalton Transactions · 52, 4415-4422
https://exaly.com/article/161234882
37 citations

25 Transformation of a Copper Complex to a 1-D Coordination Polymer to 3-D Metal-Organic Frameworks
Polyhedron · 242, 116512
https://exaly.com/article/163959193
4 citations

26 Pillared Carbon Membranes Derived From Cardo Polymers
Nanomaterials · 13, 2291
https://exaly.com/article/167012717
5 citations

Ordered by publication year, newest first

2023 / continued

27 Encapsulation of ZnO and Ho:ZnO Nanoparticles in the Core of Wrinkled Mesoporous Silica
4 citations
Langmuir · 39, 12956-12965
https://exaly.com/article/167399085

28 Encapsulation of Cobaltocenium Ions in a Zeolite-Like Metal–Organic Framework
8 citations
New Journal of Chemistry · 47, 21159-21167
https://exaly.com/article/170606198

29 Vanadium Sesquioxide/Nitride Nanostructures in Electrospun Carbon Fibers for High Energy Density Supercapacitors
12 citations
ACS Applied Nano Materials · 6, 22720-22729
https://exaly.com/article/172495876

2022

30 High-Performance Solid-State Supercapacitors Integrated With Thermal Management Systems Based on Phase Change Materials: All in One
24 citations
Chemical Engineering Journal · 446, 136787
https://exaly.com/article/145401616

31 Magnesium Hydroxide Templated Hierarchical Porous Carbon Nanosheets as Electrodes for High-Energy-Density Supercapacitors
19 citations
ACS Applied Energy Materials · 5, 6805-6813
https://exaly.com/article/148492809

32 Two-Dimensional Hexagonal-Shaped Mesoporous Carbon Sheets for Supercapacitors
19 citations
ACS Omega · 7, 27896-27902
https://exaly.com/article/148850634

33 Organic–Inorganic Nanohybrids in Supercapacitors
7 citations
Materials Horizons
https://exaly.com/article/154264483

34 Laminated Holmium-166-Containing Electrospun Bandages for Use Against Skin Cancer
6 citations
Nuclear Medicine and Biology · 114, 78-85
https://exaly.com/article/155994420

35 Fluorine Extraction From Organofluorine Molecules to Make Fluorinated Clusters in Yttrium MOFs
28 citations
Chemical Science · 13, 14285-14291
https://exaly.com/article/157423450

Ordered by publication year, newest first

2021

36 **Hybrid Supercapacitors Using Electrodes From Fibers Comprising Polymer Blend–Metal Oxide Composites With Polymethacrylic Acid as Chelating Agent**

9 citations

Nanotechnology · 32, 325401

https://exaly.com/article/80254305

37 **Reduced Aging in Carbon Molecular Sieve Membranes Derived From PIM-1 and MOP-18**

30 citations

Industrial & Engineering Chemistry Research · 60, 9962-9970

https://exaly.com/article/81474388

38 **Holmium-Based Metal-Organic Frameworks Using the BDC Linker**

11 citations

Polyhedron · 205, 115283

https://exaly.com/article/82201432

39 **Critical Rare Earth Element Recovery From Coal Ash Using Microsphere Flower Carbon**

25 citations

ACS Applied Materials & Interfaces · 13, 48492-48499

https://exaly.com/article/91202554

40 **Fluoro-Bridged Clusters in Rare-Earth Metal–Organic Frameworks**

88 citations

Journal of the American Chemical Society · 143, 17995-18000

https://exaly.com/article/91217026

41 **Yttrium Oxide-Catalyzed Formation of Electrically Conductive Carbon for Supercapacitors**

25 citations

ACS Applied Energy Materials · 4, 12499-12507

https://exaly.com/article/123239472

42 **Graphene-Like Carbon From Calcium Hydroxide**

17 citations

ACS Omega · 6, 31066-31076

https://exaly.com/article/123286236

43 **Four Isostructural 3d-4f Mixed Metal Organic Frameworks and Their Magnetic Properties**

10 citations

Crystals · 11, 1547

https://exaly.com/article/135419472

2020

44 **The Importance of Evaluating the Lot-to-Lot Batch Consistency of Commercial Multi-Walled Carbon Nanotube Products**

5 citations

Nanomaterials · 10, 1930

https://exaly.com/article/76526007

Ordered by publication year, newest first

2020 / continued

45 Biphenyl Wrinkled Mesoporous Silica Nanoparticles for pH-Responsive Doxorubicin Drug Delivery
31 citations
Materials · 13, 1998
https://exaly.com/article/77580125

46 Characterization of a Holmium 4,4'-Biphenyldicarboxylate Metal-Organic Framework and Its Potential as a Holmium Carrier System
13 citations
Journal of Nanoscience and Nanotechnology · 20, 3019-3024
https://exaly.com/article/86329107

2019

47 Aromatic Polyimides Containing Diaminobenzoic Acid as in Situ Porogen for Electrochemical Supercapacitors
11 citations
ACS Applied Polymer Materials · 1, 3203-3209
https://exaly.com/article/72335694

48 Binder Free Carbon Nanofiber Electrodes Derived From Polyacrylonitrile-Lignin Blends for High Performance Supercapacitors
64 citations
Nanotechnology · 30, 355402
https://exaly.com/article/73172550

49 Biphenyl-Bridged Wrinkled Mesoporous Silica Nanoparticles for Radioactive Iodine Capture
0 citations
MRS Advances · 4, 435-439
https://exaly.com/article/73591402

50 Transition From a 1D Coordination Polymer to a Mixed-Linker Layered MOF
22 citations
Inorganic Chemistry · 58, 5031-5041
https://exaly.com/article/73600114

51 Fabrication and Characterization of Aging Resistant Carbon Molecular Sieve Membranes for C3 Separation Using High Molecular Weight Crosslinkable Polyimide, 6FDA-DABA
65 citations
Journal of Membrane Science · 581, 430-438
https://exaly.com/article/73629398

52 Synthesis and Characterization of a Holmium 2,2'-Bipyridine-5,5'-Dicarboxylate MOF: Towards the Construction of a Suitable Holmium Carrier
17 citations
Polyhedron · 159, 12-17
https://exaly.com/article/74792691

53 Nanocast Carbon Microsphere Flowers From a Lanthanum-Based Template
8 citations
Materials Letters · 234, 224-227
https://exaly.com/article/74799743

Ordered by publication year, newest first

2019 / continued

54 **Iron Garnet Nanoparticles for Cancer Radiotherapy and Chemotherapy**
Journal unavailable
https://exaly.com/article/225552058
0 citations

2018

55 **Wrinkled Mesoporous Carbon Supported Pd Nanoparticles for Hydrogenation and Aerobic Oxidation Reactions**
Journal of Porous Materials · 25, 15-21
https://exaly.com/article/69491679
7 citations

56 **Sorry, an Error Occurred**
Microscopy and Microanalysis · 24, 1456-1457
https://exaly.com/article/70111871
0 citations

57 **Wrinkled Mesoporous Silica Supported Lanthanum Oxide as a Template for Porous Carbon**
Journal of Nanoscience and Nanotechnology · 18, 414-418
https://exaly.com/article/70392133
10 citations

58 **Lanthanum Hydroxide Nanorod-Templated Graphitic Hollow Carbon Nanorods for Supercapacitors**
ACS Omega · 3, 13913-13918
https://exaly.com/article/70440097
25 citations

59 **Selective Extraction of Thorium From Rare Earth Elements Using Wrinkled Mesoporous Carbon**
Journal of the American Chemical Society · 140, 14735-14739
https://exaly.com/article/70791187
126 citations

60 **Compatibilized Immiscible Polymer Blends and Molecular Sieve Membranes Thereof**
Journal unavailable
https://exaly.com/article/225612637
0 citations

2017

61 **Synthesis and Modification of Titanium Containing Wrinkled Mesoporous Silica for Cyclohexene Epoxidation**
Microporous and Mesoporous Materials · 243, 76-84
https://exaly.com/article/65953329
26 citations

Ordered by publication year, newest first

2017 / continued

62 Amine-Functionalized (Al) MIL-53/VTEC™ Mixed-Matrix Membranes for H2/CO2 Mixture Separations at High Pressure and High Temperature
39 citations
Journal of Membrane Science · 530, 201-212
https://exaly.com/article/65971123

63 Oxidative Dehydrogenation of Cyclohexane and Cyclohexene Over Y-Doped CeO2 Nanorods
13 citations
Catalysis Letters · 147, 738-744
https://exaly.com/article/66106047

64 Synthesis of Wrinkled Mesoporous Carbon
19 citations
Materials Letters · 195, 139-142
https://exaly.com/article/66132206

65 Novel Binder-Free Electrode Materials for Supercapacitors Utilizing High Surface Area Carbon Nanofibers Derived From Immiscible Polymer Blends of PBI/6FDA-DAM:DABA
40 citations
RSC Advances · 7, 20947-20959
https://exaly.com/article/66179857

66 Liquid Phase Propylene Oxidation With Tert-Butyl Hydroperoxide Over Titanium Containing Wrinkled Mesoporous Silica
16 citations
Catalysis Communications · 96, 15-18
https://exaly.com/article/66637479

67 Chapter 5: Polymer Blend Membranes for Gas Separations
0 citations
Journal unavailable
https://exaly.com/article/66872790

68 Iron Garnet Nanoparticles for Cancer Radiotherapy and Chemotherapy
1 citations
Journal unavailable
https://exaly.com/article/225618727

2016

69 Compatibilized Immiscible Polymer Blends for Gas Separations
38 citations
Materials · 9, 643
https://exaly.com/article/63242931

70 Origins and Evolution of Inorganic-Based and MOF-Based Mixed-Matrix Membranes for Gas Separations
75 citations
Processes · 4, 32
https://exaly.com/article/63246916

Ordered by publication year, newest first

2016 / continued

71 Chemically Powered Nanomotor as a Delivery Vehicle for Biologically Relevant Payloads
16 citations
Journal of Nanoscience and Nanotechnology · 16, 9063-9071
https://exaly.com/article/64404552

72 Radiotherapeutic Bandage for the Treatment of Squamous Cell Carcinoma of the Skin
24 citations
Nuclear Medicine and Biology · 43, 333-338
https://exaly.com/article/65189715

73 Encapsulation of Red Sulfur Chromophores in a Zeolitic Imidazolate Framework (ZIF-8) via Solvent Assisted Linker Exchange
21 citations
Microporous and Mesoporous Materials · 219, 172-177
https://exaly.com/article/65720726

74 Titanium Dioxide Nanotubes for Production and Delivery of Nitric Oxide and Methods for Production Thereof
0 citations
Journal unavailable
https://exaly.com/article/225504483

75 Sulfonated Perfluorocyclopentenyl Polymers and Uses Thereof
0 citations
Journal unavailable
https://exaly.com/article/225586558

2015

76 Carbonate-Based Zeolitic Imidazolate Framework for Highly Selective CO_2 Capture
68 citations
Inorganic Chemistry · 54, 1816-21
https://exaly.com/article/61730728

77 Novel Wrinkled Periodic Mesoporous Organosilica Nanoparticles for Hydrophobic Anticancer Drug Delivery
72 citations
Journal of Porous Materials · 22, 1-10
https://exaly.com/article/61766238

78 Fabrication of a Substituted Imidazolate Material 1 (SIM-1) Membrane Using Post Synthetic Modification (PSM) for Pervaporation of Water/Ethanol Mixtures
21 citations
Journal of Porous Materials · 22, 1275-1284
https://exaly.com/article/62528882

79 Gas Separation Membranes Derived From High-Performance Immiscible Polymer Blends Compatibilized With Small Molecules
48 citations
ACS Applied Materials & Interfaces · 7, 18618-27
https://exaly.com/article/62533008

Ordered by publication year, newest first

2015 / continued

80 **Nitric Oxide- and Cisplatin-Releasing Silica Nanoparticles for Use Against Non-Small Cell Lung Cancer**
78 citations
Journal of Inorganic Biochemistry · 153, 23-31
https://exaly.com/article/62556889

81 **Chemoradiotherapeutic Magnetic Nanoparticles for Targeted Treatment of Nonsmall Cell Lung Cancer**
59 citations
Molecular Pharmaceutics · 12, 3588-96
https://exaly.com/article/62688406

82 **Electrospun Nitric Oxide Releasing Bandage With Enhanced Wound Healing**
92 citations
Acta Biomaterialia · 13, 121-130
https://exaly.com/article/62776113

83 **Nitric Oxide-Releasing Compositions and Methods**
0 citations
Journal unavailable
https://exaly.com/article/182935385

2014

84 **Electrospun Zeolite/Cellulose Acetate Fibers for Ion Exchange of Pb2+**
19 citations
Fibers · 2, 308-317
https://exaly.com/article/57446586

85 **Composite Membranes With a Highly Selective Polymer Skin for Hydrogen Separation**
32 citations
Separation and Purification Technology · 135, 190-198
https://exaly.com/article/58173125

86 **Radiotherapeutic Bandage Based on Electrospun Polyacrylonitrile Containing Holmium-166 Iron Garnet Nanoparticles for the Treatment of Skin Cancer**
47 citations
ACS Applied Materials & Interfaces · 6, 22250-6
https://exaly.com/article/58335775

87 **Tuning the Crystal Size and Morphology of the Substituted Imidazole Material, SIM-1**
32 citations
Journal of Porous Materials · 21, 889-902
https://exaly.com/article/58348889

88 **Metal-Organic Polyhedra 18 Mixed-Matrix Membranes for Gas Separation**
102 citations
Journal of Membrane Science · 463, 82-93
https://exaly.com/article/58889140

Ordered by publication year, newest first

2014 / continued

89 Synthesis, Characterization, and Photocatalytic Activity of Y-Doped CeO2 Nanorods
358 citations
ACS Catalysis · 4, 577-584
https://exaly.com/article/58947211

90 Stabilization of Immiscible Polymer Blends Using Structure Directing Metal Organic Frameworks (MOFs)
71 citations
Polymer · 55, 2028-2034
https://exaly.com/article/58958620

91 Sensitive and Selective Real-Time Electrochemical Monitoring of DNA Repair
57 citations
Biosensors and Bioelectronics · 54, 541-546
https://exaly.com/article/59006700

92 Chemoradiotherapeutic Wrinkled Mesoporous Silica Nanoparticles for Use in Cancer Therapy
39 citations
APL Materials
https://exaly.com/article/59045858

93 Electrospun Cellulose Acetate-Garnet Nanocomposite Magnetic Fibers for Bioseparations
40 citations
ACS Applied Materials & Interfaces · 6, 244-51
https://exaly.com/article/59331398

94 Coated Melt-Spun Acrylonitrile-Based Suture for Delayed Release of Nitric Oxide
9 citations
Materials Letters · 125, 221-223
https://exaly.com/article/59462217

95 Synthesis of TiO2 Nanotube Films via Pulsed Laser Deposition Followed by a Hydrothermal Treatment
5 citations
Journal of Experimental Nanoscience · 9, 126-137
https://exaly.com/article/59581654

96 MIL-53 Frameworks in Mixed-Matrix Membranes
121 citations
Microporous and Mesoporous Materials · 196, 165-174
https://exaly.com/article/59640877

2013

97 Novel Nanofiltration Hollow Fiber Membrane Produced via Electrospinning
52 citations
Industrial & Engineering Chemistry Research · 52, 3473-3480
https://exaly.com/article/54773344

98 Metal Oxide Nanotube, Nanorod, and Quantum Dot Photocatalysis
15 citations
Journal unavailable
https://exaly.com/article/54863076

Ordered by publication year, newest first

2013 / continued

99 Storage and Delivery of Nitric Oxide via Diazeniumdiolated Metal Organic Framework
55 citations
Microporous and Mesoporous Materials · 181, 17-22
https://exaly.com/article/55051027

100 Instrument for Gas Permeation Measurements at High Pressure and High Temperature
14 citations
Review of Scientific Instruments · 84, 065107
https://exaly.com/article/55096612

101 Perfluorocyclobutyl (PFCB)-Based Polymer Blends for Proton Exchange Membrane Fuel Cells (PEMFCs)
31 citations
Journal of Membrane Science · 431, 86-95
https://exaly.com/article/55434153

102 Manganese Oxide Nanorod–Graphene/Vanadium Oxide Nanowire–Graphene Binder-Free Paper Electrodes for Metal Oxide Hybrid Supercapacitors
142 citations
Nano Energy · 2, 966-975
https://exaly.com/article/55506708

103 Vanadium Oxide Nanowire – Graphene Binder Free Nanocomposite Paper Electrodes for Supercapacitors: A Facile Green Approach
160 citations
Journal of Power Sources · 230, 130-137
https://exaly.com/article/55768518

104 Selective Detection of Olefins Using a Luminescent Silver-Functionalized Metal Organic Framework, RPM3
38 citations
Microporous and Mesoporous Materials · 174, 100-107
https://exaly.com/article/55837430

105 Surface Cross-Linking of ZIF-8/Polyimide Mixed Matrix Membranes (MMMs) for Gas Separation
202 citations
Industrial & Engineering Chemistry Research · 52, 6991-7001
https://exaly.com/article/55894939

106 Fabrication of Oriented Silver-Functionalized RPM3 Films for the Selective Detection of Olefins
28 citations
Langmuir · 29, 5927-36
https://exaly.com/article/56078633

Ordered by publication year, newest first

2012

107 Acrylonitrile-Based Nitric Oxide Releasing Melt-Spun Fibers for Enhanced Wound Healing
45 citations
Macromolecules · 45, 5894-5900
https://exaly.com/article/53495868

108 Tuning the Gate Opening Pressure of Metal–Organic Frameworks (MOFs) for the Selective Separation of Hydrocarbons
307 citations
Journal of the American Chemical Society · 134, 15201-4
https://exaly.com/article/53562837

109 Alkaline Deoxygenated Graphene Oxide for Supercapacitor Applications: An Effective Green Alternative for Chemically Reduced Graphene
141 citations
Journal of Power Sources · 215, 1-10
https://exaly.com/article/53629524

110 Enzyme Immobilization via Electrospinning
58 citations
Topics in Catalysis · 55, 1057-1069
https://exaly.com/article/53972066

111 Hydrothermal Synthesis of Graphene-TiO2 Nanotube Composites With Enhanced Photocatalytic Activity
944 citations
ACS Catalysis · 2, 949-956
https://exaly.com/article/54312189

112 Layer-by-Layer Assembly of Titanate Nanosheets/Poly- (Ethylenimine) on PEN Films
9 citations
Materials Letters · 66, 242-245
https://exaly.com/article/54573241

113 Polyacrylonitrile Gold Nanoparticle Composite Electrospun Fibers Prepared by in Situ Photoreduction
21 citations
Materials Letters · 75, 12-15
https://exaly.com/article/54573867

114 Exfoliated Graphite Nanoplatelets–V2O5 Nanotube Composite Electrodes for Supercapacitors
114 citations
Journal of Power Sources · 203, 227-232
https://exaly.com/article/54587716

115 Nafion-Sulfonated Dendrimer Composite Membranes for Fuel Cell Applications
20 citations
Journal of Membrane Science · 392, 175-180
https://exaly.com/article/54593278

Ordered by publication year, newest first

2012 / continued

116 Mixed Matrix Membranes Based on Metal Organic Frameworks — 6 citations

Journal unavailable

https://exaly.com/article/88223823

2011

117 Synthesis of Gold Nanoclusters: A Fluorescent Marker for Water-solubleTiO2 Nanotubes — 5 citations

Nanotechnology · 22, 065601

https://exaly.com/article/50033450

118 S-Nitrosocysteine-Decorated PbS QDs/TiO2 Nanotubes for Enhanced Production of Singlet Oxygen — 90 citations

Journal of the American Chemical Society · 133, 3492-7

https://exaly.com/article/50111459

119 Low-Temperature Synthesis of Copper(II) Sulfide Quantum Dot Decorated TiO2 Nanotubes and Their Photocatalytic Properties — 113 citations

Journal of Physical Chemistry C · 115, 6175-6180

https://exaly.com/article/50116779

120 Perspective of Recent Progress in Immobilization of Enzymes — 466 citations

ACS Catalysis · 1, 956-968

https://exaly.com/article/50146912

121 Vanadium Oxide Nanotube Spherical Clusters Prepared on Carbon Fabrics for Energy Storage Applications — 80 citations

ACS Applied Materials & Interfaces · 3, 4512-7

https://exaly.com/article/50392712

122 Fabrication of Cellulase Protein Fibers Through Concentric Electrospinning — 10 citations

Journal of Molecular Catalysis B: Enzymatic · 72, 1-5

https://exaly.com/article/51057868

123 Vanadium Oxide Nanowire–Carbon Nanotube Binder-Free Flexible Electrodes for Supercapacitors — 329 citations

Advanced Energy Materials · 1, 936-945

https://exaly.com/article/51487497

2010

124 Preparation of a Delivery System for Smart Coatings by Electrostatic Deposition — 2 citations

ACS Symposium Series

https://exaly.com/article/47806857

Ordered by publication year, newest first

2010 / continued

125 **Storage and Release of Nitric Oxide From Molecular Sieve Nanoparticles** — 2 citations
ACS Symposium Series
https://exaly.com/article/47806957

126 **Molecular Sieving Realized With ZIF-8/Matrimid® Mixed-Matrix Membranes** — 921 citations
Journal of Membrane Science · 361, 28-37
https://exaly.com/article/48283781

2009

127 **TiO2 Nanotube Films via Laser Ablation for Solar Cells** — 0 citations
Materials Research Society Symposia Proceedings · 1211, 1-6
https://exaly.com/article/45796561

128 **Electrospinning of Beta Silicon Carbide Nanofibers** — 38 citations
Materials Letters · 63, 2361-2364
https://exaly.com/article/45864739

129 **Mixed-Matrix Membranes Containing MOF-5 for Gas Separations** — 586 citations
Journal of Membrane Science · 328, 165-173
https://exaly.com/article/46155711

130 **Microwave Assisted Synthesis of ETS-10** — 7 citations
Journal of Porous Materials · 16, 487-496
https://exaly.com/article/46205159

131 **Photocatalytic Activity of PbS Quantum Dot/TiO2 Nanotube Composites** — 130 citations
Journal of Physical Chemistry C · 113, 10755-10760
https://exaly.com/article/46611777

132 **Novel Delivery System for the Bioregulatory Agent Nitric Oxide** — 35 citations
Chemistry of Materials · 21, 5032-5041
https://exaly.com/article/46653550

133 **Electrospinning of Poly(Alkoxyphenylenevinylene) and Methanofullerene Nanofiber Blends** — 18 citations
ACS Applied Materials & Interfaces · 1, 1958-65
https://exaly.com/article/46896668

134 **Mixed-Matric Membranes for CO2 and H2 Gas Separations Using Metal-Organic Framework and Mesoporus Hybrid Silicas** — 1 citations
Journal unavailable
https://exaly.com/article/88169794

Ordered by publication year, newest first

2009 / continued

135 **Mesoporous Compositions for Use in Drug Delivery** — 0 citations
Journal unavailable
https://exaly.com/article/181729730

2008

136 **Proton Conductivity of Acid-Doped Meta-Polyaniline** — 42 citations
Journal of Membrane Science · 313, 86-90
https://exaly.com/article/43197762

137 **A Delivery System for Self-Healing Inorganic Films** — 38 citations
Advanced Functional Materials · 18, 3620-3629
https://exaly.com/article/43441779

138 **Proton-Conducting Membranes Based on HTFSI-Doped PEI/SiO2 Nanocomposites** — 18 citations
Journal of Membrane Science · 313, 91-96
https://exaly.com/article/43461617

139 **Gas Permeability Properties of Matrimid® Membranes Containing the Metal-Organic Framework Cu–BPY–HFS** — 378 citations
Journal of Membrane Science · 313, 170-181
https://exaly.com/article/43461620

140 **Mixed-Matrix Membranes Composed of Matrimid® and Mesoporous ZSM-5 Nanoparticles** — 191 citations
Journal of Membrane Science · 325, 28-39
https://exaly.com/article/43461745

141 **Surface and Subsurface Characterization of Epoxy-Mesoporous Silica Composites to Clarify Tribological Properties** — 27 citations
Wear · 265, 88-96
https://exaly.com/article/43534802

142 **Mesoporous Benzene Silica Functionalized With Various Amine Groups** — 7 citations
Microporous and Mesoporous Materials · 108, 86-94
https://exaly.com/article/43564822

143 **Photoluminescent and Redox Active Periodic Mesoporous Organosilicas Based on 2,7-Diazapyrene** — 23 citations
Microporous and Mesoporous Materials · 112, 1-13
https://exaly.com/article/43564872

Ordered by publication year, newest first

2008 / continued

144 Conventional and Microwave Hydrothermal Synthesis of Zeolite ZSM-5 From the Cupola Slag
59 citations
Microporous and Mesoporous Materials · 111, 260-266
https://exaly.com/article/43564959

145 Microwave Synthesis of Gallium Zinc Phosphate NTHU-4
7 citations
Microporous and Mesoporous Materials · 113, 325-332
https://exaly.com/article/43565079

146 Fabrication of Silver Vanadium Oxide and V2O5 Nanowires for Electrochromics
337 citations
ACS Nano · 2, 293-301
https://exaly.com/article/43845217

147 Microperoxidase-11 Immobilized in a Metal Organic Framework
7 citations
ACS Symposium Series
https://exaly.com/article/43880051

148 Gas Permeability Properties of Mixed-Matrix Matrimid Membranes Containing a Carbon Aerogel: A Material With Both Micropores and Mesopores
52 citations
Industrial & Engineering Chemistry Research · 47, 2794-2802
https://exaly.com/article/43922120

149 The Facile Preparation of Partially Reduced V2O5 Nanowire Sheets
0 citations
ACS Symposium Series
https://exaly.com/article/43941589

150 Novel Polysilsesquioxane Hybrid Membranes for Proton Exchange Membrane Fuel Cell (PEMFC) Applications
7 citations
Separation Science and Technology · 43, 3981-4008
https://exaly.com/article/44201833

151 Fabrication of PbS Quantum Dot Doped TiO2 Nanotubes
204 citations
ACS Nano · 2, 1682-8
https://exaly.com/article/44202878

152 Synthesis, Properties, and Photocatalytic Activities of PbS/TiO2 Nanotubes
1 citations
Journal unavailable
https://exaly.com/article/44512150

153 Electrospinning of Polymer and Mesoporous Composite Fibers
2 citations
Journal unavailable
https://exaly.com/article/173635522

Ordered by publication year, newest first

2007

154 **Microwave Synthesis of NTHU-4**
Studies in Surface Science and Catalysis · 170, 314-321
https://exaly.com/article/41523328
0 citations

155 **A Novel Pathway to TiO2, TiO2-SnO2 Nanofibers and Core Shell Structures From Mesoporous Molecular Sieves**
Studies in Surface Science and Catalysis · 170, 1514-1521
https://exaly.com/article/41767315
1 citations

156 **Mesoporous Molecular Sieve Derived TiO2 Nanofibers Doped With SnO2**
Journal of Physical Chemistry C · 111, 10359-10367
https://exaly.com/article/42285664
48 citations

157 **Electrospun Linear Polyethyleneimine Scaffolds for Cell Growth**
Acta Biomaterialia · 3, 1050-1059
https://exaly.com/article/43178744
91 citations

158 **Mesoporous Compositions for Use in Drug Delivery**
Journal unavailable
https://exaly.com/article/225591533
0 citations

2006

159 **TiO2 Nanofibers and Core–Shell Structures Prepared Using Mesoporous Molecular Sieves as Templates**
Small · 2, 52-55
https://exaly.com/article/40319696
31 citations

160 **Transformation of Mesoporous Benzene Silica to Nanoporous Carbon**
Microporous and Mesoporous Materials · 91, 276-285
https://exaly.com/article/40495747
11 citations

161 **Microwave Synthesis of ETS-4 and ETS-4 Thin Films**
Microporous and Mesoporous Materials · 90, 229-236
https://exaly.com/article/40495789
26 citations

162 **Hybrid Materials for Immobilization of MP-11 Catalyst**
Topics in Catalysis · 38, 269-278
https://exaly.com/article/40623957
134 citations

Ordered by publication year, newest first

2005

163 Synthesis of Proton Conducting Tungstosilicate Mesoporous Materials and Polymer Composite Membranes
7 citations
Microporous and Mesoporous Materials · 81, 217-234
https://exaly.com/article/38044511

164 Preparation and Characterization of UTD-12/ZSM-48 Thin Films via Pulsed-Laser Deposition
5 citations
Microporous and Mesoporous Materials · 81, 125-134
https://exaly.com/article/38044512

165 Proton Conducting Polyaniline Molecular Sieve Composites
23 citations
Microporous and Mesoporous Materials · 81, 321-332
https://exaly.com/article/38044523

166 Fabrication of Hollow Spheres Composed of Nanosized ZSM-5 Crystals via Laser Ablation
34 citations
Microporous and Mesoporous Materials · 86, 14-22
https://exaly.com/article/38044562

167 Electrospun Mesoporous Metal Oxide Fibers
85 citations
Microporous and Mesoporous Materials · 86, 1-13
https://exaly.com/article/38044563

168 Fabrication of TiO2 Nanofibers From a Mesoporous Silica Film
49 citations
Chemistry of Materials · 17, 5136-5140
https://exaly.com/article/39472836

2004

169 Novel Strategies for the Preparation of TiO2 Nanofibers
0 citations
Materials Research Society Symposia Proceedings · 836, L5.14.1-L5.14.5
https://exaly.com/article/36586703

170 Preparation and Characterization of Mordenite Thin Films via Pulsed Laser Deposition
31 citations
Journal of Porous Materials · 11, 191-209
https://exaly.com/article/36934002

171 Synthesis and Characterization of Organosilane Functionalized DAM-1 Mesoporous Silica
22 citations
Journal of Porous Materials · 11, 239-254
https://exaly.com/article/36934006

Ordered by publication year, newest first

2004 / continued

172 Synthesis of DAM-1 Molecular Sieves Containing Single Walled Carbon Nanotubes
Microporous and Mesoporous Materials · 67, 61-65
https://exaly.com/article/37150591
11 citations

173 Electrospun Mesoporous Titanium Dioxide Fibers
Microporous and Mesoporous Materials · 69, 77-83
https://exaly.com/article/37150638
213 citations

174 Recrystallization of Layered Silicates to Silicalite-1
Microporous and Mesoporous Materials · 69, 85-96
https://exaly.com/article/37150639
41 citations

2003

175 Synthesis of Kenyaite, Magadiite and Octosilicate Using Poly(Ethylene Glycol) as a Template
Journal of Porous Materials · 10, 5-15
https://exaly.com/article/34868009
38 citations

176 Direct Synthesis of ZSM-5 and Mordenite Using Poly(Ethylene Glycol) as a Structure-Directing Agent
Journal of Porous Materials · 10, 235-242
https://exaly.com/article/34892589
18 citations

177 Electrospun Mesoporous Molecular Sieve Fibers
Microporous and Mesoporous Materials · 63, 75-84
https://exaly.com/article/35199898
77 citations

178 Electrospun MEH-PPV/SBA-15 Composite Nanofibers Using a Dual Syringe Method
Journal of the American Chemical Society · 125, 14531-8
https://exaly.com/article/35350797
283 citations

179 Optical Encoding With Shaped DAM-1 Molecular Sieve Particles
Lab on A Chip · 3, 132-135
https://exaly.com/article/35620074
16 citations

2002

180 The Preparation of Partially Oriented Zeolite Thin Films via Pulsed Laser Ablation
Materials Research Society Symposia Proceedings · 752, 1-6
https://exaly.com/article/33910613
0 citations

181 Selective Matrimid Membranes Containing Mesoporous Molecular Sieves
Materials Research Society Symposia Proceedings · 752, 1-6
https://exaly.com/article/34118889
4 citations

Ordered by publication year, newest first

2002 / continued

182 **Preparation of Partially Oriented Zeolite MCM-22 Membranes via Pulsed Laser Deposition**
Microporous and Mesoporous Materials · 52, 141-150
https://exaly.com/article/34612378
31 citations

183 **Preparation and Characterization of Zeolite X Membranes via Pulsed-Laser Deposition**
Microporous and Mesoporous Materials · 52, 79-91
https://exaly.com/article/34612380
42 citations

184 **Further Studies of DAM-1 Mesoporous Silica Preparations**
Microporous and Mesoporous Materials · 54, 229-248
https://exaly.com/article/34612441
31 citations

185 **Molecular Imprinting of Mesoporous SBA-15 With Chiral Ruthenium Complexes**
Microporous and Mesoporous Materials · 54, 249-255
https://exaly.com/article/34612442
31 citations

186 **Pulsed Laser Deposition of Zeolite NaX Thin Films on Silica Fibers**
Microporous and Mesoporous Materials · 56, 47-53
https://exaly.com/article/34612485
27 citations

187 **Enhanced Gas Selectivity in Thin Film Composite Membranes of Poly(3-(2-Acetoxyethyl)Thiophene)**
Journal of Membrane Science · 195, 181-192
https://exaly.com/article/34681927
23 citations

188 **Method of Coating Three Dimensional Objects With Molecular Sieves**
Journal unavailable
https://exaly.com/article/181106074
4 citations

189 **Preparation of Laser Deposited Oriented Films and Membranes**
Journal unavailable
https://exaly.com/article/225600985
1 citations

190 **Mesoporous Transition Metal Oxide Thin Films and Methods of Making and Uses Thereof**
Journal unavailable
https://exaly.com/article/225601102
1 citations

Ordered by publication year, newest first

2001

191 **Gas Permeability Properties of Polysulfone Membranes Containing the Mesoporous Molecular Sieve MCM-41**
200 citations
Chemistry of Materials · 13, 2366-2373
https://exaly.com/article/32313740

192 **Preparation of Line Patterned Mesoporous DAM-1 Thin Films via Pulsed Laser Deposition**
0 citations
Materials Research Society Symposia Proceedings · 704, 10111-10116
https://exaly.com/article/32710316

193 **Enantioselective Epoxidations Catalyzed by Zeolite MCM-22 Encapsulated Jacobsen's Catalyst**
33 citations
Catalysis Letters · 74, 77-80
https://exaly.com/article/33115679

194 **Synthesis of Large Pore Zeolites and Molecular Sieves**
18 citations
Progress in Inorganic Chemistry
https://exaly.com/article/34086467

195 **Method of Coating Three Dimensional Objects With Molecular Sieves**
2 citations
Journal unavailable
https://exaly.com/article/176027937

196 **Preparation of Laser Deposited Oriented Films and Membranes**
1 citations
Journal unavailable
https://exaly.com/article/225508137

2000

197 **Preparation and Charaterization of DAM-1 Type Materials**
0 citations
Materials Research Society Symposia Proceedings · 662, 1-7
https://exaly.com/article/31232565

198 **Molecular Sieve Coatings on Spherical Substrates via Pulsed Laser Deposition**
20 citations
Microporous and Mesoporous Materials · 34, 31-42
https://exaly.com/article/31374973

199 **Oriented Films of Mesoporous MCM-41 Macroporous Tubules via Pulsed Laser Deposition**
50 citations
Microporous and Mesoporous Materials · 38, 97-105
https://exaly.com/article/31374992

200 **Preparation and Characterization of Oriented MAPO-39 Membranes**
26 citations
Microporous and Mesoporous Materials · 38, 107-121
https://exaly.com/article/31375094

Ordered by publication year, newest first

2000 / continued

201 **Cytochrome c Immobilization Into Mesoporous Molecular Sieves**
Journal of Molecular Catalysis B: Enzymatic · 10, 453-469
https://exaly.com/article/31488424
241 citations

202 **Synthesis and Characterization of DAM-1 Type Materials**
Materials Research Society Symposia Proceedings · 628, 1-6
https://exaly.com/article/87385235
5 citations

203 **Mesoporous Transition Metal Oxide Thin Films and Methods of Making and Uses Thereof**
Journal unavailable
https://exaly.com/article/225601471
2 citations

1999

204 **Pulsed Laser Deposition of Mesoporous Niobium Oxide Thin Films and Application as Chemical Sensors**
Microporous and Mesoporous Materials · 28, 113-123
https://exaly.com/article/30313244
82 citations

205 **Zeolite Coatings on Three-Dimensional Objects via Laser Ablation**
Chemistry of Materials · 11, 189-191
https://exaly.com/article/30711509
32 citations

206 **Preparation of Oriented Zeolite UTD-1 Membranes via Pulsed Laser Ablation**
Journal of the American Chemical Society · 121, 139-146
https://exaly.com/article/30885800
65 citations

1998

207 **Electrochemistry of Zeolite-Encapsulated Complexes: New Observations**
Journal of Electroanalytical Chemistry · 454, 83-89
https://exaly.com/article/29108326
39 citations

208 **Fries Rearrangement of Acetanilide Over Zeolite Catalysts**
Journal of Molecular Catalysis A · 134, 137-143
https://exaly.com/article/29117234
10 citations

209 **Photoluminescent Properties of MCM-41 Molecular Sieves**
Microporous and Mesoporous Materials · 20, 67-76
https://exaly.com/article/29118276
80 citations

Ordered by publication year, newest first

1998 / continued

210 **Preparation of FeAPO-5 Molecular Sieve Thin Films and Application as a Capacitive Type Humidity Sensor**
41 citations
Chemistry of Materials · 10, 4114-4122
https://exaly.com/article/29387005

211 **Preparation of Zeolite UTD-1 Films by Pulsed Laser Ablation: Evidence for Oriented Crystal Growth**
56 citations
Chemistry of Materials · 10, 464-466
https://exaly.com/article/29391088

212 **Synthesis and Characterization of CuAPO-5 Molecular Sieves: Evidence for the Framework Incorporation of Cu(II) Ions**
34 citations
Journal of Physical Chemistry B · 102, 1379-1386
https://exaly.com/article/29471813

213 **Pulsed Laser Ablation of Low-Density Nanoporous Metal Oxides**
1 citations
Materials Research Society Symposia Proceedings · 526, 391-397
https://exaly.com/article/29837209

214 **Metal Silicate Compositions and Catalysts**
0 citations
Journal unavailable
https://exaly.com/article/174584476

1997

215 **Oxidations Catalyzed by Zeolite Ti-UTD-1**
4 citations
Studies in Surface Science and Catalysis · 110, 1007-1014
https://exaly.com/article/27742684

216 **The Synthesis and Characteriztion of UTD-1: The First Large Pore Zeolite Based on a 14 Membered Ring System**
20 citations
Studies in Surface Science and Catalysis · 105, 415-421
https://exaly.com/article/27767694

217 **Cyclohexene Oxidation Catalyzed by Titanium Modified Hexagonal Y Type Zeolites**
7 citations
Studies in Surface Science and Catalysis · 110, 999-1006
https://exaly.com/article/27873394

218 **Catalytic Properties of Fluorinated CeY**
5 citations
Studies in Surface Science and Catalysis · 105, 1181-1188
https://exaly.com/article/28113489

219 **Characterization of the Extra-Large-Pore Zeolite UTD-1**
182 citations
Journal of the American Chemical Society · 119, 8474-8484
https://exaly.com/article/28173639

Ordered by publication year, newest first

1997 / continued

220 A Capacitance Type Chemical Sensor Based on AlPO4-5 Molecular Sieves
Chemistry of Materials · 9, 380-386
https://exaly.com/article/28185850
41 citations

221 Synthesis and Characterization of Cobalt–Complex Functionalized MCM-41
Chemistry of Materials · 9, 61-67
https://exaly.com/article/28284925
202 citations

222 A Capacitance-Type Chemical Sensor That Employs VAPO-5, MnAPO-5 and MAPO-36 Molecular Sieves as the Dielectric Phase
Sensors and Actuators B: Chemical · 42, 67-79
https://exaly.com/article/28682324
22 citations

223 Synthesis of Hexagonal Y Type Zeolites in the Presence of Gd(III) Complexes of 18-Crown-6
Microporous Materials · 11, 325-333
https://exaly.com/article/28683652
17 citations

224 Electrochemical Characterization of Vanadium Molecular Sieve, VAPO-5
Inorganica Chimica Acta · 254, 151-155
https://exaly.com/article/28829538
14 citations

225 Synthesis of Novel Molecular Sieves Using a Metal Complex as a Template
Journal unavailable
https://exaly.com/article/225576437
0 citations

1996

226 Synthesis and Characterization of GaPO4 Molecular Sieves Using Metal Complexes as Templates
Materials Research Society Symposia Proceedings · 454, 217-224
https://exaly.com/article/26816744
6 citations

227 A Study of Suspending Agents for Gadolinium(III)-Exchanged Hectorite. An Oral Magnetic Resonance Imaging Contrast Agent
Langmuir · 12, 6277-6281
https://exaly.com/article/26876968
29 citations

228 Enzyme Immobilization in MCM-41 Molecular Sieve
Journal of Molecular Catalysis B: Enzymatic · 2, 115-126
https://exaly.com/article/27296837
589 citations

229 Oxidations Catalyzed by Zeolite Ship-in-a-Bottle Complexes
Applied Catalysis A: General · 143, 159-173
https://exaly.com/article/27379009
139 citations

Ordered by publication year, newest first

1996 / continued

230 Studies of Gadolinium(III)-Modified Hectorite Clays as Potential Oral MRI Contrast Agents
The Journal of Physical Chemistry · 100, 16429-16434
https://exaly.com/article/27589900
20 citations

231 Comment on “Zeolite-Modified Electrodes: Intra- Versus Extrazeolite Electron Transfer
The Journal of Physical Chemistry · 100, 8607-8609
https://exaly.com/article/27671771
46 citations

232 Synthesis of Novel Molecular Sieves Using a Metal Complex as a Template
Journal unavailable
https://exaly.com/article/225644998
6 citations

1995

233 Alkane Oxidation Catalyzed by Zeolite Encapsulated Ruthenium Perfluorophthalocyanines
Studies in Surface Science and Catalysis · 97, 189-195
https://exaly.com/article/25727605
11 citations

234 Gadolinium Zeolite as an Oral Contrast Agent for Magnetic Resonance Imaging
Journal of Magnetic Resonance Imaging · 5, 499-508
https://exaly.com/article/25830169
60 citations

235 The Preparation and Characterization of AlPO4 Thin Films via Laser Ablation of AlPO4-H4
Thin Solid Films · 260, 4-9
https://exaly.com/article/25878536
23 citations

236 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 · 1, 199-206
https://exaly.com/article/25934929
10 citations

237 Intrazeolite Organometallics Pentamethylcyclopentadienyl Rhodium Complexes
Microporous Materials · 3, 665-686
https://exaly.com/article/25997668
8 citations

238 Zeolite Encapsulated Metal Complexes
Topics in Inclusion Science
https://exaly.com/article/26185118
27 citations

Ordered by publication year, newest first

1995 / continued

239 **Cyclohexane Oxidation Catalyzed by Zeolite Encapsulatedruthenium Perfluorophthalocyanines**

Studies in Surface Science and Catalysis · 94, 713-719

https://exaly.com/article/26334856

39 citations

240 **Oxidation of Alkanes Catalyzed by Zeolite-Encapsulated Perfluorinated Ruthenium Phthalocyanines.**

Journal of the American Chemical Society · 117, 10753-10754

https://exaly.com/article/26672431

213 citations

241 **Zeolite Encapsulated Metal Complexes**

Journal of Inclusion Phenomena and Macrocyclic Chemistry · 21, 159-184

https://exaly.com/article/125623640

133 citations

242 **Molecular Sieve-Enclosed Transition and Rare Earth Metal Ions as Contrast Agents for the Gastrointestinal Tract**

Journal unavailable

https://exaly.com/article/225597762

1 citations

1994

243 **Synthesis and Ab Initio Structure Determination of AlPO4·H2OH4 From Powder Diffraction Data**

Microporous Materials · 2, 245-250

https://exaly.com/article/24953318

12 citations

244 **Electrochemistry of Chemically Modified Zeolites: Discussion and New Trends**

Journal of Electroanalytical Chemistry · 373, 19-29

https://exaly.com/article/25120014

63 citations

245 **Molecular Sieve Based MRI Contrast Agents**

Journal of Alloys and Compounds · 207, 25-28

https://exaly.com/article/25268122

18 citations

246 **Zeolite Encapsulated Cobalt(II) and Copper(II) Perfluorophthalocyanines. Synthesis and Characterization**

Inorganic Chemistry · 33, 67-72

https://exaly.com/article/25271319

148 citations

247 **Molecular Sieve Based Chemical Sensors**

Materials Research Society Symposia Proceedings · 351, 263-268

https://exaly.com/article/25471196

6 citations

Ordered by publication year, newest first

1994 / continued

248 **Molecular Sieve Thin Films via Laser Ablation**
Materials Research Society Symposia Proceedings · 351, 437-442
https://exaly.com/article/25474962
10 citations

249 **Molecular Sieve Synthesis Using Metallocenes as Structure Directing Agents**
Materials Research Society Symposia Proceedings · 368, 369-375
https://exaly.com/article/25476284
28 citations

250 **Molecular Sieve Based Chemical Sensors**
Materials Research Society Symposia Proceedings · 371, 33-38
https://exaly.com/article/25476430
8 citations

251 **Effects of Electrogenerated Silver Particles on the Electrochemistry of Zeolite-Encapsulated Iron Salen Complex**
Journal of the Electrochemical Society · 141, 3049
https://exaly.com/article/25479331
22 citations

252 **Zeolite Encapsulated Metal-Schiff Base Complexes. Synthesis and Electrochemical Characterization**
Studies in Surface Science and Catalysis · 84, 917-924
https://exaly.com/article/25540671
10 citations

253 **Clay Enclosed Transition and Rare Earth Metal Ions as Contrast Agents for the Gastrointestinal Tract**
Journal unavailable
https://exaly.com/article/225528445
1 citations

1993

254 **Electrochemistry of Zeolite-Encapsulated Complexes: Part 3. Characterization of Iron and Manganese SALEN Entrapped in Y Faujasite Type Zeolite**
Journal of Electroanalytical Chemistry · 345, 157-167
https://exaly.com/article/23796564
63 citations

1992

255 **Catalytic Properties of Fluorine Modified SmNa-Y Zeolites**
Collection of Czechoslovak Chemical Communications · 57, 781-787
https://exaly.com/article/23026943
3 citations

256 **$AlPO_4$ Molecular Sieves Modified With Metal Chelate Complexes**
Collection of Czechoslovak Chemical Communications · 57, 774-780
https://exaly.com/article/23166462
30 citations

Ordered by publication year, newest first

1992 / continued

257 **A DSC Study of Intrazeolite Copper(Ii) Phthalocyanine Formation**
Journal of Inclusion Phenomena and Macrocyclic Chemistry · 14, 163-169
https://exaly.com/article/23499770
16 citations

258 **Synthesis of NaX Zeolites With Metallophthalocyanines**
ACS Symposium Series
https://exaly.com/article/23607409
28 citations

259 **Zeolite-Enclosed Transistion and Rare Earth Metal Ions as Contrast Agents for the Gastrointestinal Tract**
Journal unavailable
https://exaly.com/article/172132731
15 citations

260 **Methods for the Preparation of Molecular Sieves, Including Zeolites, Using Metal Chelate Complexes**
Journal unavailable
https://exaly.com/article/225538974
10 citations

1991

261 **Electrochemistry of Zeolite-Encapsulated Cobalt Salen Complexes in Acetonitrile and Dimethyl Sulphoxide Solutions**
Journal of the Chemical Society, Faraday Transactions · 87, 3831-3834
https://exaly.com/article/22017254
70 citations

262 **Zeolite Encapsulated Pd(Salen), a Selective Hydrogenation Catalyst**
Journal of the Chemical Society Chemical Communications
https://exaly.com/article/22027278
87 citations

263 **The Preparation and Characterization of an X-Type Zeolite: An Experiment in Solid-State Chemistry**
Journal of Chemical Education · 68, 875
https://exaly.com/article/22147382
36 citations

264 **The Application of Molecular Sieves as Magnetic Resonance Imaging Contrast Agents**
Materials Research Society Symposia Proceedings · 233, 225-230
https://exaly.com/article/22349656
8 citations

265 **Electrochemical Behaviour of Zeolite-Encapsulated Cobalt Phthalocyanine Complex in DMSO and DMF Solutions**
Journal of Electroanalytical Chemistry and Interfacial Electrochemistry · 315, 313-318
https://exaly.com/article/22423610
54 citations

Ordered by publication year, newest first

1991 / continued

266 The Encapsulation of Rh(III) Phthalocyanines in Zeolites X and Y

Journal of Inclusion Phenomena and Macrocyclic Chemistry · 10, 141-151

https://exaly.com/article/22593745

34 citations

1990

267 Application of Differential Scanning Calorimetry in the Study of Intrazeolite Metallophthalocyanines

The Journal of Physical Chemistry · 94, 8019-8020

https://exaly.com/article/21142693

31 citations

268 The Preparation and Characterization of Rh(III) SALEN Complexes Encapsulated in Zeolites X and Y

Zeolites · 10, 722-729

https://exaly.com/article/21479107

62 citations

1989

269 Organometallic Reactions of Rhodium Octaethylporphyrin Species in Pyridine. Heterolytic Cleavage of [(OEP)Rh]2 and Metalloanion Activation of Carbon Monoxide

Organometallics · 8, 950-955

https://exaly.com/article/20897138

42 citations

1986

270 Cobalt(II)-Facilitated Transport of Dioxygen in a Polystyrene Membrane

Inorganic Chemistry · 25, 716-718

https://exaly.com/article/18142917

45 citations

End of list · 270 articles. Citation counts use Exaly’s peer-reviewed cohort.