

# Vera Meynen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7117666/publications.pdf>

Version: 2024-02-01

118  
papers

4,143  
citations

117453

34  
h-index

128067

60  
g-index

119  
all docs

119  
docs citations

119  
times ranked

5805  
citing authors

#	ARTICLE	IF	CITATIONS
1	Verified syntheses of mesoporous materials. <i>Microporous and Mesoporous Materials</i> , 2009, 125, 170-223.	2.2	575
2	Engineering a Highly Defective Stable UiO-66 with Tunable Lewis- Brønsted Acidity: The Role of the Hemilabile Linker. <i>Journal of the American Chemical Society</i> , 2020, 142, 3174-3183.	6.6	156
3	CO <sub>2</sub> dissociation in a packed bed DBD reactor: First steps towards a better understanding of plasma catalysis. <i>Chemical Engineering Journal</i> , 2017, 326, 477-488.	6.6	154
4	Effect of Argon or Helium on the CO <sub>2</sub> Conversion in a Dielectric Barrier Discharge. <i>Plasma Processes and Polymers</i> , 2015, 12, 755-763.	1.6	147
5	CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> separation with a 3DFD-printed ZSM-5 monolith. <i>Chemical Engineering Journal</i> , 2017, 308, 719-726.	6.6	132
6	The influence of temperature on the structural behaviour of sodium tri- and hexa-titanates and their protonated forms. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1614-1619.	1.4	126
7	Mechanistic study of hydrocarbon formation in photocatalytic CO <sub>2</sub> reduction over Ti-SBA-15. <i>Journal of Catalysis</i> , 2011, 284, 1-8.	3.1	118
8	Synthesis of siliceous materials with micro- and mesoporosity. <i>Microporous and Mesoporous Materials</i> , 2007, 104, 26-38.	2.2	89
9	The benefit of design of support architectures for zeolite coated structured catalysts for methanol-to-olefin conversion. <i>Catalysis Today</i> , 2013, 216, 18-23.	2.2	85
10	Insights into phosphate adsorption behavior on structurally modified ZnAl layered double hydroxides. <i>Applied Clay Science</i> , 2018, 165, 234-246.	2.6	82
11	ZnO nanoparticles supported on mesoporous MCM-41 and SBA-15: a comparative physicochemical and photocatalytic study. <i>Journal of Materials Science</i> , 2010, 45, 5786-5794.	1.7	76
12	Organic solvent nanofiltration with Grignard functionalised ceramic nanofiltration membranes. <i>Journal of Membrane Science</i> , 2014, 454, 496-504.	4.1	75
13	Novel grafting method efficiently decreases irreversible fouling of ceramic nanofiltration membranes. <i>Journal of Membrane Science</i> , 2014, 470, 369-377.	4.1	73
14	Combined TiO <sub>2</sub> /SiO <sub>2</sub> mesoporous photocatalysts with location and phase controllable TiO <sub>2</sub> nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 515-524.	10.8	70
15	Preparation and characterization of SnO <sub>2</sub> nanoparticles of enhanced thermal stability: The effect of phosphoric acid treatment on SnO <sub>2</sub> ·nH <sub>2</sub> O. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 268, 147-154.	2.3	68
16	Fabrication of pure and moxifloxacin functionalized silver oxide nanoparticles for photocatalytic and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 116-124.	1.7	64
17	Textural property tuning of ordered mesoporous carbon obtained by glycerol conversion using SBA-15 silica as template. <i>Carbon</i> , 2010, 48, 1609-1618.	5.4	61
18	Structural features and photocatalytic behaviour of titania deposited within the pores of SBA-15. <i>Applied Catalysis A: General</i> , 2006, 312, 153-164.	2.2	60

#	ARTICLE	IF	CITATIONS
19	New insights into the fouling mechanism of dissolved organic matter applying nanofiltration membranes with a variety of surface chemistries. <i>Water Research</i> , 2016, 93, 195-204.	5.3	58
20	Influence of the synthesis parameters of TiO <sub>2</sub> @SBA-15 materials on the adsorption and photodegradation of rhodamine-6G. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 100-110.	2.2	56
21	Development of photocatalytic efficient Ti-based nanotubes and nanoribbons by conventional and microwave assisted synthesis strategies. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 401-409.	2.2	55
22	Is There Any Microporosity in Ordered Mesoporous Silicas?. <i>Langmuir</i> , 2009, 25, 939-943.	1.6	55
23	The benefit of glass bead supports for efficient gas phase photocatalysis: Case study of a commercial and a synthesised photocatalyst. <i>Chemical Engineering Journal</i> , 2011, 174, 318-325.	6.6	55
24	A new strategy towards ultra stable mesoporous titania with nanosized anatase walls. <i>Chemical Communications</i> , 2003, , 1178-1179.	2.2	50
25	Structured catalysts for methanol-to-olefins conversion: a review. <i>Chemical Papers</i> , 2014, 68, .	1.0	50
26	Formation of a combined micro- and mesoporous material using zeolite Beta nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 29-34.	2.2	49
27	Antifouling grafting of ceramic membranes validated in a variety of challenging wastewaters. <i>Water Research</i> , 2016, 104, 242-253.	5.3	46
28	Synthesis and catalytic applications of combined zeolitic/mesoporous materials. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 785-801.	1.5	44
29	Adsorption of Hydrocarbons on Mesoporous SBA-15 and PHTS Materials. <i>Langmuir</i> , 2005, 21, 2447-2453.	1.6	41
30	Epoxidation of propylene with nitrous oxide on Rb <sub>2</sub> SO <sub>4</sub> -modified iron oxide on silica catalysts. <i>Journal of Catalysis</i> , 2007, 247, 86-100.	3.1	40
31	Altering Conversion and Product Selectivity of Dry Reforming of Methane in a Dielectric Barrier Discharge by Changing the Dielectric Packing Material. <i>Catalysts</i> , 2019, 9, 51.	1.6	40
32	In situ IR spectroscopic study to reveal the impact of the synthesis conditions of zeolite $\hat{1}^2$ nanoparticles on the acidic properties of the resulting zeolite. <i>Chemical Engineering Journal</i> , 2014, 237, 372-379.	6.6	39
33	Effect of aromatics on the adsorption of thiophenic sulfur compounds from model diesel fuel by activated carbon cloth. <i>Fuel Processing Technology</i> , 2014, 119, 278-285.	3.7	37
34	Fast fabrication of hollow silica spheres with thermally stable nanoporous shells. <i>Microporous and Mesoporous Materials</i> , 2007, 98, 41-46.	2.2	36
35	Validation of in situ Applicable Measuring Techniques for Analysis of the Water Adsorption by Stone. <i>Procedia Chemistry</i> , 2013, 8, 317-327.	0.7	36
36	Multi-step loading of titania on mesoporous silica: Influence of the morphology and the porosity on the catalytic degradation of aqueous pollutants and VOCs. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 125-132.	10.8	34

#	ARTICLE	IF	CITATIONS
37	Vanadium Silicalite-1 Nanoparticles Deposition onto the Mesoporous Walls of SBA-15. Mechanistic Insights from a Combined EPR and Raman Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 8955-8963.	6.6	33
38	Solvent-membrane-solute interactions in organic solvent nanofiltration (OSN) for Grignard functionalised ceramic membranes: Explanation via Spiegler-Kedem theory. <i>Journal of Membrane Science</i> , 2016, 513, 177-185.	4.1	32
39	TiO <sub>x</sub> -VO <sub>x</sub> Mixed Oxides on SBA-15 Support Prepared by the Designed Dispersion of Acetylacetonate Complexes: A Spectroscopic Study of the Reaction Mechanisms. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3794-3800.	1.2	31
40	Hydrothermal synthesis of a concentrated and stable dispersion of TiO <sub>2</sub> nanoparticles. <i>Chemical Engineering Journal</i> , 2013, 223, 135-144.	6.6	31
41	Preparation of CuO/SBA-15 catalyst by the modified ammonia driven deposition precipitation method with a high thermal stability and an efficient automotive CO and hydrocarbons conversion. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 103-115.	10.8	30
42	A new method to graft titania using Grignard reagents. <i>Chemical Communications</i> , 2013, 49, 6998.	2.2	28
43	Synthesis and structural investigations on aluminium-free Ti-Beta/SBA-15 composite. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 458-465.	2.2	26
44	Immersion Calorimetry as a Tool To Evaluate the Catalytic Performance of Titanosilicate Materials in the Epoxidation of Cyclohexene. <i>Langmuir</i> , 2011, 27, 3618-3625.	1.6	26
45	Diffusion effects in SBA-15 and its plugged analogous by a deposition of metal acetylacetonate complexes. <i>Microporous and Mesoporous Materials</i> , 2005, 85, 119-128.	2.2	25
46	Thermal decomposition of bioactive sodium titanate surfaces. <i>Applied Surface Science</i> , 2009, 255, 9539-9542.	3.1	24
47	Binding modes of phosphonic acid derivatives adsorbed on TiO <sub>2</sub> surfaces: Assignments of experimental IR and NMR spectra based on DFT/PBC calculations. <i>Surface Science</i> , 2017, 655, 31-38.	0.8	24
48	Evaluation of the fouling resistance of methyl grafted ceramic membranes for inorganic foulants and co-effects of organic foulants. <i>Separation and Purification Technology</i> , 2018, 193, 29-37.	3.9	24
49	Deposition of vanadium silicalite-1 nanoparticles on SBA-15 materials. Structural and transport characteristics of SBA-VS-15. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 14-22.	2.2	23
50	Mesoporous material formed by acidic hydrothermal assembly of silicalite-1 precursor nanoparticles in the absence of meso-templates. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 77-85.	2.2	23
51	Direct spectroscopic detection of framework-incorporated vanadium in mesoporous silica materials. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5823.	1.3	23
52	Mechanistic Insight into the Photocatalytic Working of Fluorinated Anatase {001} Nanosheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26275-26286.	1.5	23
53	Self-Assembly and Diffusion of Block Copolymer Templates in SBA-15 Nanochannels. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4223-4229.	1.2	21
54	Post-synthesis deposition of V-zeolitic nanoparticles in SBA-15. <i>Chemical Communications</i> , 2004, , 898.	2.2	20

#	ARTICLE	IF	CITATIONS
55	Rapid microwave-assisted synthesis of benzene bridged periodic mesoporous organosilicas. <i>Journal of Materials Chemistry</i> , 2009, 19, 3042.	6.7	20
56	The impact of framework organic functional groups on the hydrophobicity and overall stability of mesoporous silica materials. <i>Materials Chemistry and Physics</i> , 2012, 132, 1077-1088.	2.0	20
57	Influence of the MCM-41 morphology on the vanadia deposition by a molecular designed dispersion method. <i>Microporous and Mesoporous Materials</i> , 2006, 95, 31-38.	2.2	19
58	Development of alumina microspheres with controlled size and shape by vibrational droplet coagulation. <i>Journal of the European Ceramic Society</i> , 2017, 37, 189-198.	2.8	19
59	Production of hydrogen gas from water by the oxidation of metallic iron under mild hydrothermal conditions, assisted by in situ formed carbonate ions. <i>Fuel</i> , 2015, 160, 205-216.	3.4	18
60	The effect of the buffer solution on the adsorption and stability of horse heart myoglobin on commercial mesoporous titanium dioxide: a matter of the right choice. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13503-13514.	1.3	18
61	Amperometric Flow-Injection Analysis of Phenols Induced by Reactive Oxygen Species Generated under Daylight Irradiation of Titania Impregnated with Horseradish Peroxidase. <i>Analytical Chemistry</i> , 2020, 92, 3643-3649.	3.2	18
62	Effect of Annealing Temperature on Structural Phase Transformations and Band Gap Reduction for Photocatalytic Activity of Mesopores TiO <sub>2</sub> Nanocatalysts. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1312-1322.	1.9	18
63	Class II Hybrid Organic-inorganic Membranes Creating New Versatility in Separations. <i>Current Organic Chemistry</i> , 2014, 18, 2334-2350.	0.9	18
64	The influence of preparation method on the physicochemical properties of titania-silica aerogels: Part two. <i>Journal of Porous Materials</i> , 2008, 15, 541-549.	1.3	17
65	Revealing the influence of the solvent in combination with temperature, concentration and pH on the modification of TiO <sub>2</sub> with 3PA. <i>Materials Chemistry and Physics</i> , 2016, 184, 324-334.	2.0	16
66	Controlling pore size and uniformity of mesoporous titania by early stage low temperature stabilization. <i>Journal of Colloid and Interface Science</i> , 2013, 391, 36-44.	5.0	15
67	New Insights in the Formation of Combined Zeolitic/Mesoporous Materials by using a One-Pot Templating Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4234-4240.	1.0	14
68	Comparison between a Water-Based and a Solvent-Based Impregnation Method towards Dispersed CuO/SBA-15 Catalysts: Texture, Structure and Catalytic Performance in Automotive Exhaust Gas Abatement. <i>Catalysts</i> , 2016, 6, 164.	1.6	14
69	Aqueous or solvent based surface modification: The influence of the combination solvent organic functional group on the surface characteristics of titanium dioxide grafted with organophosphonic acids. <i>Applied Surface Science</i> , 2017, 416, 716-724.	3.1	14
70	Probing the impact of material properties of core-shell SiO <sub>2</sub> @TiO <sub>2</sub> spheres on the plasma-catalytic CO <sub>2</sub> dissociation using a packed bed DBD plasma reactor. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 46, 101468.	3.3	14
71	Aluminum Incorporation into MCM-48 toward the Creation of Brønsted Acidity. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13905-13912.	1.2	13
72	Growth of anatase nanoparticles inside the mesopores of SBA-15 for photocatalytic applications. <i>Catalysis Communications</i> , 2007, 8, 527-530.	1.6	13

#	ARTICLE	IF	CITATIONS
73	Synthesis, structural characterization and photocatalytic activity of Ti-MCM-41 mesoporous molecular sieves. <i>Journal of Porous Materials</i> , 2009, 16, 109-118.	1.3	13
74	A short solid-state synthesis leading to titanate compounds with porous structure and nanosheet morphology. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 53-58.	2.2	13
75	Advances and Challenges in the Creation of Porous Metal Phosphonates. <i>Materials</i> , 2020, 13, 5366.	1.3	13
76	Accessibility and Dispersion of Vanadyl Sites of Vanadium Silicate-1 Nanoparticles Deposited in SBA-15. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12966-12975.	1.5	12
77	Zeolite $\hat{I}^2$ nanoparticles based bimodal structures: Mechanism and tuning of the porosity and zeolitic properties. <i>Microporous and Mesoporous Materials</i> , 2014, 185, 204-212.	2.2	12
78	Demonstrating the Benefits and Pitfalls of Various Acidity Characterization Techniques by a Case Study on Bimodal Aluminosilicates. <i>Langmuir</i> , 2014, 30, 1880-1887.	1.6	12
79	A detailed investigation of the microwave assisted phenylphosphonic acid modification of P25 TiO <sub>2</sub> . <i>Advanced Powder Technology</i> , 2017, 28, 236-243.	2.0	12
80	Photocatalytic study of P25 and mesoporous titania in aqueous and gaseous environment. <i>Catalysis Communications</i> , 2008, 9, 1787-1792.	1.6	11
81	An adhesive conducting electrode material based on commercial mesoporous titanium dioxide as a support for Horseradish peroxidase for bioelectrochemical applications. <i>Talanta</i> , 2016, 146, 689-693.	2.9	11
82	Impact of inorganic waste fines on structure of mullite microspheres by reaction sintering. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2612-2620.	2.8	11
83	Design and applications of a home-built in situ FT-Raman spectroscopic cell. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004, 60, 2969-2975.	2.0	10
84	The influence of preparation method on the physicochemical properties of titania-silica aerogels. <i>Journal of Porous Materials</i> , 2007, 14, 219-226.	1.3	10
85	Experimental and statistical modeling study of low coverage gas adsorption of light alkanes on meso-microporous silica. <i>Chemical Engineering Journal</i> , 2012, 179, 52-62.	6.6	10
86	Hydrothermal synthesis, structure and photocatalytic activity of PF-co-doped TiO <sub>2</sub> . <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 442-450.	1.9	10
87	Applicability of fine industrial metallic iron-rich waste powders for hydrothermal production of hydrogen gas: The influence of non-ferrous contaminants. <i>Journal of Cleaner Production</i> , 2018, 195, 674-686.	4.6	10
88	Enzymatic sensor for phenols based on titanium dioxide generating surface confined ROS after treatment with H <sub>2</sub> O <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 343-348.	4.0	10
89	Photocatalytic Inactivation of Plant Pathogenic Bacteria Using TiO <sub>2</sub> Nanoparticles Prepared Hydrothermally. <i>Nanomaterials</i> , 2020, 10, 1730.	1.9	10
90	Siderite-calcite (FeCO <sub>3</sub> -CaCO <sub>3</sub> ) series cement formation by accelerated carbonation of CO <sub>2</sub> (g)-H <sub>2</sub> O-Fe-Ca(OH) <sub>2</sub> systems. <i>Cement and Concrete Composites</i> , 2021, 122, 104137.	4.6	10

#	ARTICLE	IF	CITATIONS
91	Systematic evaluation of thermal and mechanical stability of different commercial and synthetic photocatalysts in relation to their photocatalytic activity. <i>Microporous and Mesoporous Materials</i> , 2012, 156, 62-72.	2.2	9
92	Characterization and analysis of the adsorption immobilization mechanism of $\beta$ -galactosidase on metal oxide powders. <i>RSC Advances</i> , 2013, 3, 24054.	1.7	9
93	Sensitivity of the selective oxidation of methane over Fe/ZSM-5 zeolites in a micro fixed-bed reactor for the catalyst preparation method. <i>Applied Catalysis A: General</i> , 2018, 566, 96-103.	2.2	9
94	The Potential Use of Core-Shell Structured Spheres in a Packed-Bed DBD Plasma Reactor for CO <sub>2</sub> Conversion. <i>Catalysts</i> , 2020, 10, 530.	1.6	9
95	Utilising the principles of FeCO <sub>3</sub> scaling for cementation in H <sub>2</sub> O-CO <sub>2</sub> (g)-Fe system. <i>Corrosion Science</i> , 2020, 169, 108613.	3.0	9
96	<scp>CHEMampere</scp>: Technologies for sustainable chemical production with renewable electricity and <scp>CO<sub>2</sub></scp>, <scp>N<sub>2</sub></scp>, <scp>O<sub>2</sub></scp>, and <scp>H<sub>2</sub>O</scp>. <i>Canadian Journal of Chemical Engineering</i> , 2022, 100, 2736-2761.	0.9	9
97	The merging of silica-surfactant microspheres under hydrothermal conditions. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 141-146.	2.2	8
98	Experimental and computational insights into the aminopropylphosphonic acid modification of mesoporous TiO <sub>2</sub> powder: The role of the amine functionality on the surface interaction and coordination. <i>Applied Surface Science</i> , 2021, 566, 150625.	3.1	8
99	Novel Lanthanide(III) Porphyrin-Based Metal-Organic Frameworks: Structure, Gas Adsorption, and Magnetic Properties. <i>ACS Omega</i> , 2021, 6, 24637-24649.	1.6	7
100	Optimisation of the surface properties of SBA-15 mesoporous silica for in-situ nanoparticle synthesis. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 2-6.	2.2	6
101	Smart heating profiles for the synthesis of benzene bridged periodic mesoporous organosilicas. <i>Chemical Engineering Journal</i> , 2011, 175, 585-591.	6.6	6
102	Microvolume TOC Analysis as Useful Tool in the Evaluation of Lab Scale Photocatalytic Processes. <i>Catalysts</i> , 2013, 3, 74-87.	1.6	6
103	CO <sub>2</sub> reduction reactions: general discussion. <i>Faraday Discussions</i> , 2015, 183, 261-290.	1.6	6
104	The Influence of Acids on Tuning the Pore Size of Mesoporous TiO <sub>2</sub> Templated by Non-Ionic Block Copolymers. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 62-65.	1.0	6
105	Is their potential for post-synthetic brominating reactions on benzene bridged PMOs?. <i>Microporous and Mesoporous Materials</i> , 2012, 164, 49-55.	2.2	5
106	Hydrothermal conversion of carbon dioxide into formate with the aid of zerovalent iron: the potential of a two-step approach. <i>Faraday Discussions</i> , 2015, 183, 177-195.	1.6	4
107	Attaching Redox Proteins onto Electrode Surfaces by using bis-silane. <i>ChemElectroChem</i> , 2016, 3, 1035-1038.	1.7	4
108	Selective Oxidation of Methane with Hydrogen Peroxide Towards Formic Acid in a Micro Fixed-Bed Reactor. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 1759-1765.	0.4	4

#	ARTICLE	IF	CITATIONS
109	Hydration and Confinement Effects on Horse Heart Myoglobin Adsorption in Mesoporous TiO <sub>2</sub> . Journal of Physical Chemistry C, 2018, 122, 23393-23404.	1.5	4
110	Synthesis & properties correlation and the unexpected role of the titania support on the Grignard surface modification. Applied Surface Science, 2020, 527, 146851.	3.1	4
111	Formation of a Ti-siliceous trimodal material with macroholes, mesopores and zeolitic features via a one-pot templating synthesis. Journal of Porous Materials, 2012, 19, 153-160.	1.3	3
112	From template-assisted mesoporous titania powders to thin films: Differences and similarities. Thin Solid Films, 2015, 593, 17-25.	0.8	3
113	The Use of Different Templates for the Synthesis of Reproducible Mesoporous Titania Thin Films and Small Pore Ultrafiltration Membranes. Advanced Engineering Materials, 2019, 21, 1900603.	1.6	3
114	The interaction of water with organophosphonic acid surface modified titania: An in-depth in-situ DRIFT study. Surfaces and Interfaces, 2020, 21, 100710.	1.5	2
115	The use of small volume TOC analysis as complementary, indispensable tool in the evaluation of photocatalysts at lab-scale. Studies in Surface Science and Catalysis, 2010, 175, 321-324.	1.5	1
116	The Influence of Acids on Tuning the Pore Size of Mesoporous TiO <sub>2</sub> Templated by Non-ionic Block Copolymers. European Journal of Inorganic Chemistry, 2018, 2018, 4932-4932.	1.0	1
117	Environmental catalysis & Topical issue. Chemical Papers, 2014, 68, .	1.0	0
118	Hybrid porous titania phosphonate networks with different bridging functionalities: Synthesis, characterization, and evaluation as efficient solvent separation materials. Microporous and Mesoporous Materials, 2022, , 112080.	2.2	0