

# Wieslaw J Roth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4354479/publications.pdf>

Version: 2024-02-01

122  
papers

17,158  
citations

87723

38  
h-index

17055

122  
g-index

128  
all docs

128  
docs citations

128  
times ranked

11222  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new family of mesoporous molecular sieves prepared with liquid crystal templates. <i>Journal of the American Chemical Society</i> , 1992, 114, 10834-10843.	6.6	10,478
2	Two-Dimensional Zeolites: Current Status and Perspectives. <i>Chemical Reviews</i> , 2014, 114, 4807-4837.	23.0	625
3	Effect of Surfactant/Silica Molar Ratios on the Formation of Mesoporous Molecular Sieves: Inorganic Mimicry of Surfactant Liquid-Crystal Phases and Mechanistic Implications. <i>Chemistry of Materials</i> , 1994, 6, 2317-2326.	3.2	517
4	Molecular or Supramolecular Templating: Defining the Role of Surfactant Chemistry in the Formation of Microporous and Mesoporous Molecular Sieves. <i>Chemistry of Materials</i> , 1994, 6, 1816-1821.	3.2	398
5	A family of zeolites with controlled pore size prepared using a top-down method. <i>Nature Chemistry</i> , 2013, 5, 628-633.	6.6	355
6	The ADOR mechanism for the synthesis of new zeolites. <i>Chemical Society Reviews</i> , 2015, 44, 7177-7206.	18.7	275
7	Zeolite-based materials for novel catalytic applications: Opportunities, perspectives and open problems. <i>Catalysis Today</i> , 2012, 179, 2-15.	2.2	274
8	Two-dimensional zeolites: dream or reality?. <i>Catalysis Science and Technology</i> , 2011, 1, 43.	2.1	252
9	The discovery of mesoporous molecular sieves from the twenty year perspective. <i>Chemical Society Reviews</i> , 2013, 42, 3663.	18.7	219
10	Postsynthesis Transformation of Three-Dimensional Framework into a Lamellar Zeolite with Modifiable Architecture. <i>Journal of the American Chemical Society</i> , 2011, 133, 6130-6133.	6.6	208
11	Layer like porous materials with hierarchical structure. <i>Chemical Society Reviews</i> , 2016, 45, 3400-3438.	18.7	196
12	Synthesis of "unfeasible" zeolites. <i>Nature Chemistry</i> , 2016, 8, 58-62.	6.6	186
13	Two-dimensional zeolites in catalysis: current status and perspectives. <i>Catalysis Science and Technology</i> , 2016, 6, 2467-2484.	2.1	161
14	Expanded view of zeolite structures and their variability based on layered nature of 3-D frameworks. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 32-36.	2.2	134
15	PFG NMR self-diffusion of small hydrocarbons in high silica DDR, CHA and LTA structures. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 327-334.	2.2	119
16	3D to 2D Routes to Ultrathin and Expanded Zeolitic Materials. <i>Chemistry of Materials</i> , 2013, 25, 542-547.	3.2	76
17	Discovery of new MWW family zeolite EMM-10: Identification of EMM-10P as the missing MWW precursor with disordered layers. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 168-177.	2.2	71
18	MCM-22 zeolite family and the delaminated zeolite MCM-56 obtained in one-step synthesis. <i>Studies in Surface Science and Catalysis</i> , 2005, , 19-26.	1.5	69

#	ARTICLE	IF	CITATIONS
19	Development of a formation mechanism for M41S materials. <i>Studies in Surface Science and Catalysis</i> , 1994, 84, 53-60.	1.5	68
20	A new double bond metathesis reaction: conversion of an niobium:niobium and an nitrogen:nitrogen bond into two niobium:nitrogen bonds. <i>Journal of the American Chemical Society</i> , 1984, 106, 4749-4751.	6.6	67
21	Swelling and Interlayer Chemistry of Layered MWW Zeolites MCM-22 and MCM-56 with High Al Content. <i>Chemistry of Materials</i> , 2015, 27, 4620-4629.	3.2	64
22	MWW and MFI Frameworks as Model Layered Zeolites: Structures, Transformations, Properties, and Activity. <i>ACS Catalysis</i> , 2021, 11, 2366-2396.	5.5	63
23	Synthesis of Delaminated and Pillared Zeolitic Materials. <i>Studies in Surface Science and Catalysis</i> , 2007, 168, 221-239.	1.5	62
24	Pillared MWW zeolites MCM-36 prepared by swelling MCM-22P in concentrated surfactant solutions. <i>Catalysis Today</i> , 2012, 179, 35-42.	2.2	55
25	The discovery of ExxonMobil's M41S family of mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2004, 148, 53-72.	1.5	54
26	Swelling of MCM-56 and MCM-22P with a new medium $\alpha$ surfactant "tetramethylammonium hydroxide mixtures. <i>Catalysis Today</i> , 2013, 204, 8-14.	2.2	51
27	Iron-Based Metal-Organic Frameworks as a Theranostic Carrier for Local Tuberculosis Therapy. <i>Pharmaceutical Research</i> , 2018, 35, 144.	1.7	51
28	Electron crystallography of zeolites $\alpha$ the MWW family as a test of direct 3D structure determination. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, 516-527.	0.3	50
29	Synthesis by spontaneous self-assembly of metal atom clusters of zirconium, niobium, and tantalum. <i>Journal of the American Chemical Society</i> , 1988, 110, 298-300.	6.6	47
30	Comprehensive system integrating 3D and 2D zeolite structures with recent new types of layered geometries. <i>Catalysis Today</i> , 2014, 227, 9-14.	2.2	46
31	Comparative structural studies of the first row early transition metal(III) chloride tetrahydrofuran solvates. <i>Inorganica Chimica Acta</i> , 1986, 113, 81-85.	1.2	45
32	High acidity unilamellar zeolite MCM-56 and its pillared and delaminated derivatives. <i>Dalton Transactions</i> , 2014, 43, 10501.	1.6	44
33	Structural studies of the vanadium (II) and vanadium(III) chloride tetrahydrofuran solvates. <i>Journal of the Chemical Society Chemical Communications</i> , 1983, , 1377.	2.0	43
34	Two compounds containing the tris( $\mu$ -chloro)hexakis(tetrahydrofuran)divanadium(II) cation. Preparation, structures, and spectroscopic characterization. <i>Inorganic Chemistry</i> , 1985, 24, 913-917.	1.9	41
35	A series of edge-sharing bioctahedral, M-M bonded molecules: nonmonotonic bond length variation and its interpretation. <i>Journal of the American Chemical Society</i> , 1986, 108, 971-976.	6.6	41
36	A new layered MWW zeolite synthesized with the bifunctional surfactant template and the updated classification of layered zeolite forms obtained by direct synthesis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7701-7709.	5.2	41

#	ARTICLE	IF	CITATIONS
37	Reactions of dinuclear niobium(III) and tantalum(III) compounds with alkyl isocyanides to give dinuclear products with dimerized isocyanides. <i>Journal of the American Chemical Society</i> , 1984, 106, 6987-6993.	6.6	40
38	Advances and challenges in zeolite synthesis and catalysis. <i>Catalysis Today</i> , 2020, 345, 2-13.	2.2	40
39	Synthesis and characterization of niobium(II) and tantalum(II) compounds containing triple M-M bonds. <i>Journal of the American Chemical Society</i> , 1987, 109, 5506-5514.	6.6	39
40	Zeolite MCM-22 Modified with Au and Cu for Catalytic Total Oxidation of Methanol and Carbon Monoxide. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2147-2159.	1.5	39
41	Mononuclear and binuclear cationic complexes of vanadium(II). <i>Journal of the American Chemical Society</i> , 1985, 107, 3850-3855.	6.6	38
42	Discrete trinuclear complexes of niobium and tantalum related to the local structure in niobium chloride, Nb <sub>3</sub> Cl <sub>8</sub> . <i>Inorganic Chemistry</i> , 1988, 27, 3413-3421.	1.9	38
43	Liquid dispersions of zeolite monolayers with high catalytic activity prepared by soft-chemical exfoliation. <i>Science Advances</i> , 2020, 6, eaay8163.	4.7	37
44	New chemistry of oxo trinuclear, metal-metal bonded niobium compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 1276-1278.	2.0	35
45	Further studies of bi-oxo-capped trinobium cluster complexes. <i>Inorganic Chemistry</i> , 1988, 27, 2347-2352.	1.9	34
46	Synthesis of mesoporous molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2005, 157, 91-110.	1.5	34
47	Intercalation chemistry of NU-6(1), the layered precursor to zeolite NSI, leading to the pillared zeolite MCM-39(Si). <i>Microporous and Mesoporous Materials</i> , 2011, 144, 158-161.	2.2	34
48	Theoretical investigation of layered zeolite frameworks: Interaction between IPC-1P layers derived from zeolite UTL. <i>Catalysis Today</i> , 2013, 204, 15-21.	2.2	33
49	Facile evaluation of the crystallization and quality of the transient layered zeolite MCM-56 by infrared spectroscopy. <i>Catalysis Today</i> , 2015, 243, 39-45.	2.2	31
50	Further studies of the phosphine complexes of niobium(IV) chloride. <i>Inorganic Chemistry</i> , 1984, 23, 3592-3596.	1.9	30
51	Preparation of exfoliated zeolites from layered precursors: The role of pH and nature of intercalating media. <i>Studies in Surface Science and Catalysis</i> , 2002, 141, 273-279.	1.5	30
52	An octanuclear basic benzoate containing four vanadium(III) and four zinc(II) atoms: [VZnO(O <sub>2</sub> CC <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> (THF)] <sub>4</sub> ·2THF. <i>Inorganic Chemistry</i> , 1984, 23, 4042-4045.	1.9	29
53	The role of symmetry in building up zeolite frameworks from layered zeolite precursors having ferrierite and CAS layers. <i>Structural Chemistry</i> , 2010, 21, 385-390.	1.0	29
54	Intercalation chemistry of layered zeolite precursor IPC-1P. <i>Catalysis Today</i> , 2014, 227, 37-44.	2.2	29

#	ARTICLE	IF	CITATIONS
55	Activity enhancement of zeolite MCM-22 by interlayer expansion enabling higher Ce loading and room temperature CO oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15722-15725.	5.2	29
56	Reactions of tert-butyl isocyanide with a binuclear niobium(III) compound. <i>Journal of the American Chemical Society</i> , 1983, 105, 3734-3735.	6.6	27
57	Framework-substituted cerium MCM-22 zeolite and its interlayer expanded derivative MWW-IEZ. <i>Catalysis Science and Technology</i> , 2016, 6, 2742-2753.	2.1	27
58	The sorption properties of as-synthesized and calcined MCM-41 and MCM-48. <i>Microporous and Mesoporous Materials</i> , 2001, 44-45, 691-695.	2.2	26
59	New bromo complexes of osmium(IV) and osmium(III): [Os <sub>2</sub> Br <sub>10</sub> ] <sup>2-</sup> and OsBr <sub>3</sub> (PPh <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> CN). <i>Inorganic Chemistry</i> , 1984, 23, 3080-3083.	1.9	25
60	The preparation of Ta <sub>2</sub> Cl <sub>6</sub> (PhN) <sub>2</sub> (Me <sub>2</sub> S) <sub>2</sub> by reaction of Ta <sub>2</sub> Cl <sub>6</sub> (Me <sub>2</sub> S) <sub>3</sub> with PhNNPh: Crystal structure of the product. <i>Polyhedron</i> , 1986, 5, 895-898.	1.0	25
61	Preparation and structure of bis[bis(diphenylphosphino)methane]hexachlorodiniobium(III), Nb <sub>2</sub> Cl <sub>6</sub> (dppm) <sub>2</sub> . <i>Inorganic Chemistry</i> , 1983, 22, 3654-3656.	1.9	24
62	A neutron diffraction crystallographic study of the tetramethylammonium salt of the hexachlorobis(μ-chloro)(μ-hydrido)dimolybdenum(III) ion, [Mo <sub>2</sub> Cl <sub>8</sub> H] <sup>3-</sup> . <i>Journal of the American Chemical Society</i> , 1984, 106, 117-120.	6.6	24
63	Binuclear alkoxide complexes of niobium and tantalum in lower oxidation states. <i>Inorganic Chemistry</i> , 1985, 24, 3509-3510.	1.9	24
64	Crystal structures of two MoOX <sub>2</sub> L <sub>3</sub> complexes, dichlorotris(methyldiphenylphosphine)oxomolybdenum and tris(diethylphenylphosphine)diisocyanatooxomolybdenum. Implications to distortional isomerism. <i>Inorganic Chemistry</i> , 1987, 26, 2848-2852.	1.9	24
65	New bi-oxo-capped triangular trinuclear cluster compounds of niobium. <i>Journal of the American Chemical Society</i> , 1984, 106, 3527-3531.	6.6	23
66	A novel d <sup>10</sup> -d <sup>3</sup> -d <sup>10</sup> trinuclear bimetallic linear complex of zinc and vanadium. <i>Inorganic Chemistry</i> , 1985, 24, 525-527.	1.9	23
67	Variable stereochemistry of the eight-coordinate tetrakis(oxalato)niobate(IV), Nb(C <sub>2</sub> O <sub>4</sub> ) <sub>4</sub> <sup>4-</sup> . <i>Inorganic Chemistry</i> , 1987, 26, 2889-2893.	1.9	23
68	Swelling and pillaring of the layered precursor IPC-1P: tiny details determine everything. <i>Dalton Transactions</i> , 2014, 43, 10548.	1.6	23
69	Characterization of mesoporous molecular sieves: differences between M41s and pillared layered zeolites. <i>Studies in Surface Science and Catalysis</i> , 2000, 129, 501-508.	1.5	22
70	Vanadium(II) and niobium(III) edge-sharing bioctahedral complexes that contain bis(dimethylphosphino)methane bridges. <i>Inorganic Chemistry</i> , 1985, 24, 4389-4393.	1.9	21
71	A dinuclear, metal-metal bonded, carboxylato-bridged niobium(III) complex. <i>Inorganica Chimica Acta</i> , 1986, 112, 147-152.	1.2	21
72	Preparation and structural characterization of Rh <sub>2</sub> (O <sub>2</sub> CCPh <sub>3</sub> ) <sub>4</sub> (EtOH) <sub>2</sub> , Ru <sub>2</sub> (O <sub>2</sub> CCPh <sub>3</sub> ) <sub>4</sub> (H <sub>2</sub> O)(EtOH)·2EtOH and Mo <sub>2</sub> (O <sub>2</sub> CCPh <sub>3</sub> ) <sub>4</sub> ·3CH <sub>2</sub> Cl <sub>2</sub> . <i>Inorganica Chimica Acta</i> , 1994, 215, 9-15.	1.2	21

#	ARTICLE	IF	CITATIONS
73	A New Family of Two-Dimensional Zeolites Prepared from the Intermediate Layered Precursor IPC-3P Obtained during the Synthesis of TUN Zeolite. <i>Chemistry - A European Journal</i> , 2013, 19, 13937-13945.	1.7	21
74	Further studies of low-valent alkoxide complexes of niobium. Synthesis and structure of dimeric niobium(IV) nonamethoxide. <i>Inorganic Chemistry</i> , 1988, 27, 3596-3600.	1.9	20
75	Characterization of Co and Fe-MCM-56 catalysts for NH <sub>3</sub> -SCR and N <sub>2</sub> O decomposition: An in situ FTIR study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 281-288.	2.0	20
76	A metal-metal-bonded dinuclear phosphine complex of niobium(IV) chloride, [NbCl <sub>2</sub> (PMe <sub>2</sub> Ph) <sub>2</sub> ] <sub>2</sub> (μ-Cl) <sub>4</sub> . <i>Inorganic Chemistry</i> , 1984, 23, 945-947.	1.9	19
77	Further studies of phosphine adducts of niobium(IV) and tantalum(IV) chlorides: New seven- and eight-coordinate compounds with trimethylphosphine: NbCl <sub>4</sub> (PMe <sub>3</sub> ) <sub>3</sub> and Ta <sub>2</sub> Cl <sub>8</sub> (PMe <sub>3</sub> ) <sub>4</sub> . <i>Polyhedron</i> , 1985, 4, 1103-1108.	1.0	19
78	Alkoxide complexes of niobium(III). <i>Inorganic Chemistry</i> , 1987, 26, 3323-3327.	1.9	18
79	UTL zeolite and the way beyond. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 229-238.	2.2	18
80	Exfoliated Ferrierite-Related Unilamellar Nanosheets in Solution and Their Use for Preparation of Mixed Zeolite Hierarchical Structures. <i>Journal of the American Chemical Society</i> , 2021, 143, 11052-11062.	6.6	18
81	Reactions of niobium(III) and tantalum(III) compounds with acetylenes. 5. Preparation and structure of [NbCl <sub>2</sub> (SC <sub>4</sub> H <sub>8</sub> )(PhCCPh)] <sub>2</sub> (μ-Cl) <sub>2</sub> and its relationship to other alkyne complexes of niobium(III) and tantalum(III). <i>Inorganica Chimica Acta</i> , 1984, 85, 17-21.	1.2	17
82	A novel dinuclear vanadium(II) compound with bridging chlorine atoms, bridging diphosphinomethane ligands, and bidentate tetrahydroborate ligands. <i>Inorganic Chemistry</i> , 1984, 23, 4113-4115.	1.9	17
83	Dinuclear niobium(IV) complexes, Nb <sub>2</sub> Cl <sub>4</sub> (OMe) <sub>4</sub> L <sub>2</sub> , (L = MeOH, CH <sub>3</sub> CN) and their relation to analogous W and Mo compounds. <i>Inorganic Chemistry</i> , 1987, 26, 3319-3322.	1.9	17
84	Synthesis and characterization of osmyl-amino acid complexes. Molecular structure of trans-dioxobis(glycinato)osmium(VI), OsO <sub>2</sub> (NH <sub>2</sub> CH <sub>2</sub> COO) <sub>2</sub> . <i>Inorganic Chemistry</i> , 1981, 20, 2023-2026.	1.9	16
85	Preparation and structures of the binuclear vanadium(II) complexes [L <sub>3</sub> V(1/4-Cl)3VL <sub>3</sub> ]BPh <sub>4</sub> (L =) Tj ETQq1 1 0.784314 rgBT /Overlock 16	1.0	16
86	The aqueous colloidal suspension of ultrathin 2D MCM-22P crystallites. <i>Chemical Communications</i> , 2014, 50, 7378.	2.2	16
87	Interconversion of the CDO Layered Precursor ZSM-55 between FER and CDO Frameworks by Controlled Deswelling and Reassembly. <i>Chemistry of Materials</i> , 2016, 28, 3616-3619.	3.2	16
88	Pillaring of layered zeolite precursors with ferrierite topology leading to unusual molecular sieves on the micro/mesoporous border. <i>Dalton Transactions</i> , 2018, 47, 3029-3037.	1.6	16
89	Two compounds containing a divanadium tetrabenzoate frame and cyclopentadienyl or pentamethylcyclopentadienyl ligands. <i>Organometallics</i> , 1985, 4, 1174-1177.	1.1	15
90	Application of quasi-equilibrated thermodesorption of linear and di-branched paraffin molecules for detailed porosity characterization of the mono-layered zeolite MCM-56, in comparison with MCM-22 and ZSM-5. <i>Dalton Transactions</i> , 2014, 43, 10574-10583.	1.6	15

#	ARTICLE	IF	CITATIONS
91	Incorporation and release of a model drug, ciprofloxacin, from non-modified SBA-15 molecular sieves with different pore sizes. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109903.	2.2	15
92	Incorporation of Ti as a Pyramidal Framework Site in the Mono-layered MCM-56 Zeolite and its Oxidation Activity. <i>ChemCatChem</i> , 2019, 11, 520-527.	1.8	14
93	Structural characterization of a doubly-bonded diniobium compound, bis-(1,2-bis-diphenylphosphinoethane)hexachlorodiniobium(III). <i>Inorganica Chimica Acta</i> , 1983, 71, 175-178.	1.2	13
94	The crystal and molecular structure of $\text{Re}_2\text{Cl}_6(\text{PMePh}_2)_2$ . <i>Inorganica Chimica Acta</i> , 1988, 144, 17-19.	1.2	13
95	Synthesis and characterization of a confacial bioctahedral tantalum(II) dimer with a formal triple metal-metal bond. <i>Journal of the American Chemical Society</i> , 1986, 108, 3538-3539.	6.6	12
96	Facile synthesis of the cubic mesoporous material MCM-48. Detailed study of accompanying phase transformations. <i>Adsorption</i> , 2009, 15, 221-226.	1.4	12
97	The structure-catalytic activity relationship for the transient layered zeolite MCM-56 with MWW topology. <i>Catalysis Today</i> , 2020, 345, 116-124.	2.2	12
98	Layered inorganic solids. <i>Dalton Transactions</i> , 2014, 43, 10274.	1.6	11
99	Structural transformation and chemical modifications of the unusual layered zeolite MWW form SSZ-70. <i>Catalysis Today</i> , 2020, 354, 133-140.	2.2	11
100	Preparation, molecular structure and electronic structure of the rhombic, six-coordinate niobium(IV) complex $\text{NbCl}_2(\text{ButC}(\text{O})\text{CHC}(\text{O})\text{But})_2$ . <i>Polyhedron</i> , 1985, 4, 1485-1491.	1.0	10
101	Preparation and structure of $\text{Nb}_3\text{Cl}_8(\text{CNCMe}_3)_5$ . <i>Inorganica Chimica Acta</i> , 1987, 126, 161-166.	1.2	10
102	The effect of hot liquid water treatment on the properties and catalytic activity of MWW zeolites with various layered structures. <i>Catalysis Today</i> , 2018, 304, 22-29.	2.2	10
103	Preparation and properties of $\text{NbBr}_4(\text{PMe}_2\text{Ph})_3$ and $\text{NbBr}_3(\text{PMe}_2\text{Ph})_3$ . <i>Inorganica Chimica Acta</i> , 1985, 105, 41-49.	1.2	9
104	Discrete trinuclear complexes of niobium related to the local structure in $\text{Nb}_3\text{Cl}_8$ . <i>Journal of the American Chemical Society</i> , 1987, 109, 2833-2834.	6.6	9
105	An unusual ditantalum (Ta:Ta) compound with a bridging oxo ligand. <i>Inorganic Chemistry</i> , 1983, 22, 868-870.	1.9	8
106	Two diastereomeric forms of the bischelated, edge-sharing bioctahedral molecule bis[bis(diethylphosphino)ethane]hexachloroditantalum. <i>Inorganic Chemistry</i> , 1987, 26, 4130-4133.	1.9	8
107	Osmium carbohydrate polymers. <i>Polyhedron</i> , 1982, 1, 335-338.	1.0	7
108	A binuclear tantalum(III) complex with a bridging carboxylato ligand. <i>Polyhedron</i> , 1985, 4, 1479-1484.	1.0	7

#	ARTICLE	IF	CITATIONS
109	Electron crystallography of MWW zeolites â€“ filling the missing cone. Zeitschrift FÃ¼r Kristallographie, 2011, 226, 254-263.	1.1	7
110	Binuclear cationic $\mu_4$ -bromo complexes of vanadium(II). Polyhedron, 1988, 7, 737-740.	1.0	6
111	Oxo-bridged Ta(+3) dimers, $(TaCl_2L_2)_2(\mu_4-O)(\mu_4-SR_2)$ , revisited. Structural differences between isoelectronic $\mu_4-O$ and $\mu_4-OH$ complexes. Inorganica Chimica Acta, 1988, 149, 105-110.	1.2	6
112	Nucleation in complex multi-component and multi-phase systems: general discussion. Faraday Discussions, 2015, 179, 503-542.	1.6	6
113	Proposed reformulation of the recently reported tribromobis(dimethylphenylphosphine)tantalum. Inorganic Chemistry, 1986, 25, 1728-1729.	1.9	5
114	Mixed zeolite hybrids combining the MFI structure with exfoliated MWW monolayers. Microporous and Mesoporous Materials, 2021, 324, 111300.	2.2	5
115	Catalytic activity enhancement in pillared zeolites produced from exfoliated MWW monolayers in solution. Catalysis Today, 2022, 390-391, 272-280.	2.2	5
116	Crystal structure of MCM-71 â€“ a new zeolite in the mordenite group. Zeitschrift Fur Kristallographie - Crystalline Materials, 2008, 223, 456-460.	0.4	3
117	Detemplated and Pillared 2-Dimensional Zeolite ZSM-55 with Ferrierite Layer Topology as a Carrier for Drugs. Molecules, 2020, 25, 3501.	1.7	3
118	Structure-Catalytic Properties Relationship in Friedel Crafts Alkylation Reaction for MCM-36-Type Zeolites Obtained by Isopropanol-Assisted Pillaring. Catalysts, 2021, 11, 299.	1.6	3
119	Hybrid Catalysts for Olefin Metathesis and Related Polymerizations. , 2013, , 1-26.		2
120	From Colloidal Dispersions of Zeolite Monolayers to Effective Solid Catalysts in Transformations of Bulky Organic Molecules: Role of Freeze-Drying and Dialysis. Molecules, 2021, 26, 2076.	1.7	2
121	Platinum nanoparticles supported on zeolite MWW nanosheets prepared via homogeneous solution route. Catalysis Today, 2022, 390-391, 335-342.	2.2	1
122	A comparison of the sorption properties of mesoporous molecular sieves MCM-41 and MCM-48. Studies in Surface Science and Catalysis, 2003, 146, 339-341.	1.5	0