Mohamed Haouas

List of Publications by Year
in descending order

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132 papers	5,672 citations	66343 42 h-index	88630 70 g-index
145 all docs	145 docs citations	145 times ranked	5618 citing authors

#	Article	IF	Citations
1	MIL-96, a Porous Aluminum Trimesate 3D Structure Constructed from a Hexagonal Network of 18-Membered Rings andÎ¼3-Oxo-Centered Trinuclear Units. Journal of the American Chemical Society, 2006, 128, 10223-10230.	13.7	386
2	Synthesis, Single-Crystal X-ray Microdiffraction, and NMR Characterizations of the Giant Pore Metal-Organic Framework Aluminum Trimesate MIL-100. Chemistry of Materials, 2009, 21, 5695-5697.	6.7	290
3	The KagomÃ© Topology of the Gallium and Indium Metal-Organic Framework Types with a MIL-68 Structure: Synthesis, XRD, Solid-State NMR Characterizations, and Hydrogen Adsorption. Inorganic Chemistry, 2008, 47, 11892-11901.	4.0	270
4	Recent advances in application of 27Al NMR spectroscopy to materials science. Progress in Nuclear Magnetic Resonance Spectroscopy, 2016, 94-95, 11-36.	7.5	192
5	Synthesis, Structure and Properties of Related MicroporousN,Nâ€˜-Piperazinebismethylenephosphonates of Aluminum and Titanium. Chemistry of Materials, 2006, 18, 1451-1457.	6.7	173
6	A microdiffraction set-up for nanoporous metalâ€“organic-framework-type solids. Nature Materials, 2007, 6, 760-764.	27.5	154
7	Hydrothermal synthesis and crystal structure of a new three-dimensional aluminum-organic framework MIL-69 with 2,6-naphthalenedicarboxylate (ndc), Al(OH)(ndc)Â·H2O. Comptes Rendus Chimie, 2005, 8, 765-772.	0.5	145
8	High-Throughput Aided Synthesis of the Porous Metalâ^'Organic Framework-Type Aluminum Pyromellitate, MIL-121, with Extra Carboxylic Acid Functionalization. Inorganic Chemistry, 2010, 49, 9852-9862.	4.0	139
9	Co-immobilization of a Rh Catalyst and a Keggin Polyoxometalate in the UiO-67 Zr-Based Metalâ€“Organic Framework: In Depth Structural Characterization and Photocatalytic Properties for CO₂ Reduction. Journal of the American Chemical Society, 2020, 142, 9428-9438.	13.7	138
10	Polyoxometalate, Cationic Cluster, and Î³-Cyclodextrin: From Primary Interactions to Supramolecular Hybrid Materials. Journal of the American Chemical Society, 2017, 139, 12793-12803.	13.7	137
11	In Situ NMR, Ex Situ XRD and SEM Study of the Hydrothermal Crystallization of Nanoporous Aluminum Trimesates MIL-96, MIL-100, and MIL-110. Chemistry of Materials, 2012, 24, 2462-2471.	6.7	107
12	Isomerization of the Prenucleation Building Unit during Crystallization of AlPO4-CJ2:Â An MQMAS, CP-MQMAS, and HETCOR NMR Study. Journal of the American Chemical Society, 1999, 121, 12148-12153.	13.7	102
13	Occurrence of Uncommon Infinite Chains Consisting of Edge-Sharing Octahedra in a Porous Metal Organic Framework-Type Aluminum Pyromellitate Al₄(OH)₈[C₁₀O₈H₂] (MIL-120): Synthesis, Structure, and Gas Sorption Properties. Chemistry of Materials, 2009, 21, 5783-5791.	6.7	102
14	Immobilization of polyoxometalates in the Zr-based metal organic framework UiO-67. Chemical Communications, 2015, 51, 2972-2975.	4.1	96
15	NMR of microporous compounds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 158, 299-311.	4.7	91
16	Structural Transitions and Flexibility during Dehydrationâ^'Rehydration Process in the MOF-type Aluminum Pyromellitate Al₂(OH)₂[C₁₀O₈H₂] (MIL-118). Crystal Growth and Design, 2009, 9, 2927-2936.	3.0	87
17	Combined NMR, SAXS, and DLS Study of Concentrated Clear Solutions Used in Silicalite-1 Zeolite Synthesis. Chemistry of Materials, 2007, 19, 3448-3454.	6.7	82
18	Hierarchization of USY Zeolite by NH₄OH. A Postsynthetic Process Investigated by NMR and XRD. Journal of Physical Chemistry C, 2014, 118, 22573-22582.	3.1	81

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19	Nonconventional Three-Component Hierarchical Hostâ€“Guest Assembly Based on Mo-Blue Ring-Shaped Giant Anion, Î³-Cyclodextrin, and Dawson-type Polyoxometalate. Journal of the American Chemical Society, 2017, 139, 14376-14379.	13.7	81
20	Nanoporous Solids: How Do They Form? An In Situ Approach. Chemistry of Materials, 2014, 26, 299-309.	6.7	80
21	Catalyst Design by NH₄OH Treatment of USY Zeolite. Advanced Functional Materials, 2015, 25, 7130-7144.	14.9	76
22	Probing Dynamic Library of Metal-Oxo Building Blocks with Î³-Cyclodextrin. Journal of the American Chemical Society, 2018, 140, 11198-11201.	13.7	72
23	Monitoring the Activation Process of the Giant Pore MIL-100(Al) by Solid State NMR. Journal of Physical Chemistry C, 2011, 115, 17934-17944.	3.1	70
24	A Stable Hybrid Bisphosphonate Polyoxometalate Singleâ€Molecule Magnet. Chemistry - A European Journal, 2012, 18, 3845-3849.	3.3	70
25	Polyoxometalates Paneling through {Mo₂O₂S₂} Coordination: Cation-Directed Conformations and Chemistry of a Supramolecular Hexameric Scaffold. Journal of the American Chemical Society, 2012, 134, 1724-1737.	13.7	67
26	The Initial Stages of Solid Acid-Catalyzed Reactions of Adsorbed Propane. A Mechanistic Study by in Situ MAS NMR. Journal of the American Chemical Society, 2004, 126, 599-606.	13.7	62
27	Investigation of the Mechanism of Colloidal Silicaliteâ€1 Crystallization by Using DLS, SAXS, and ²⁹Si NMR Spectroscopy. Chemistry - A European Journal, 2010, 16, 2764-2774.	3.3	60
28	Influence of [Mo₆Br₈F₆]^{2â^'}Cluster Unit Inclusion within the Mesoporous Solid MIL-101 on Hydrogen Storage Performance. Langmuir, 2010, 26, 11283-11290.	3.5	59
29	Cubic Box versus Spheroidal Capsule Built from Defect and Intact Pentagonal Units. Journal of the American Chemical Society, 2012, 134, 19342-19345.	13.7	59
30	Thin Films of Fully Noble Metal-Free POM@MOF for Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 47837-47845.	8.0	58
31	Synthesis and structural characterization of a new open-framework zinc terephthalate Zn3(OH)2(bdc)2Â·2DEF, with infinite Znâ€“(Î¼3-OH)â€“Zn chains. Journal of Solid State Chemistry, 2005, 178, 621-628.	2.9	57
32	Crystal chemistry of aluminium carboxylates: From molecular species towards porous infinite three-dimensional networks. Comptes Rendus Chimie, 2015, 18, 1350-1369.	0.5	56
33	Revisiting the Identification of Structural Units in Aqueous Silicate Solutions by Two-Dimensional Silicon-29 INADEQUATE. Journal of Physical Chemistry B, 2006, 110, 3007-3014.	2.6	53
34	Capture of the [Mo₃S₄]⁴⁺ Cluster within a {Mo₁₈} Macrocycle Yielding a Supramolecular Assembly Stabilized by a Dynamic H-Bond Network. Journal of the American Chemical Society, 2010, 132, 2069-2077.	13.7	53
35	The Extraâ€Framework Subâ€Lattice of the Metalâ€“Organic Framework MILâ€1 10: A Solidâ€State NMR Investigation. Chemistry - A European Journal, 2009, 15, 3139-3146.	3.3	51
36	Connectivity Analysis of the Clear Sol Precursor of Silicalite: Are Nanoparticles Aggregated Oligomers or Silica Particles?. Journal of Physical Chemistry C, 2009, 113, 20827-20836.	3.1	51

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37	NMR and SAXS Analysis of Connectivity of Aluminum and Silicon Atoms in the Clear Sol Precursor of SSZ-13 Zeolite. Chemistry of Materials, 2012, 24, 571-578.	6.7	51
38	Single-Crystal-to-Single-Crystal Postsynthetic Modification of a Metalâ€“Organic Framework via Ozonolysis. Journal of the American Chemical Society, 2018, 140, 2028-2031.	13.7	51
39	Synthesis and characterization of a series of porous lanthanide tricarboxylates. Microporous and Mesoporous Materials, 2011, 140, 25-33.	4.4	50
40	Realumination of dealuminated HZSM-5 zeolites by acid treatment: a reexamination. Microporous and Mesoporous Materials, 2001, 46, 177-184.	4.4	46
41	Hydrothermal synthesis and structural characterization of a gallium pyromellitate Ga(OH)(btec)â‹…0.5H2O, with infinite Ga-(-OH)-Ga chains (MIL-61). Solid State Sciences, 2005, 7, 603-609.	3.2	45
42	In Situ pH Probing of Hydrothermal Solutions by NMR. Chemistry of Materials, 1999, 11, 1285-1292.	6.7	43
43	Polyoxomolybdate Bisphosphonate Heterometallic Complexes: Synthesis, Structure, and Activity on a Breast Cancer Cell Line. Chemistry - A European Journal, 2015, 21, 10537-10547.	3.3	43
44	Hostâ€“Guest Binding Hierarchy within Redoxâ€•and Luminescenceâ€Responsive Supramolecular Selfâ€Assembly Based on Chalcogenide Clusters and Î³â€Cyclodextrin. Chemistry - A European Journal, 2018, 24, 13467-13478.	3.3	43
45	Step-by-Step Assembly of Trivacant Tungstosilicates: Synthesis and Characterization of Tetrameric Anions. Angewandte Chemie - International Edition, 2006, 45, 139-142.	13.8	42
46	Hydrophobic Effect as a Driving Force for Hostâ€“Guest Chemistry of a Multi-Receptor Keplerate-Type Capsule. Journal of the American Chemical Society, 2015, 137, 5845-5851.	13.7	42
47	â€œHost in Hostâ€•Supramolecular Coreâ€“Shell Type Systems Based on Giant Ringâ€Shaped Polyoxometalates. Angewandte Chemie - International Edition, 2021, 60, 14146-14153.	13.8	41
48	NMR quantification in hydrothermalin situ syntheses. Magnetic Resonance in Chemistry, 2000, 38, 429-435.	1.9	38
49	Chaotropic Effect as an Assembly Motif to Construct Supramolecular Cyclodextrinâ€“Polyoxometalate-Based Frameworks. Journal of the American Chemical Society, 2022, 144, 4469-4477.	13.7	38
50	Properties of a Tunable Multinuclear Nickel Polyoxotungstate Platform. Chemistry - A European Journal, 2013, 19, 6753-6765.	3.3	37
51	Mechanisms of Quick Zeolite Beta Crystallization. Chemistry of Materials, 2012, 24, 3621-3632.	6.7	36
52	Immobilization of Co-containing polyoxometalates in MIL-101(Cr): structural integrity versus chemical transformation. Dalton Transactions, 2014, 43, 12698-12705.	3.3	36
53	Hofmeister effect in the Keggin-type polyoxotungstate series. Inorganic Chemistry Frontiers, 2021, 8, 12-25.	6.0	35
54	Zeolite synthesis in hydrated silicate ionic liquids. Faraday Discussions, 2015, 179, 437-449.	3.2	34

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55	Molecular and Material Engineering of Photocathodes Derivatized with Polyoxometalate-Supported {Mo₃S₄} HER Catalysts. Journal of the American Chemical Society, 2019, 141, 11954-11962.	13.7	34
56	Regioselective H/D isotope exchange and skeletal rearrangement reactions of propane over strong solid acids. Journal of Catalysis, 2003, 215, 122-128.	6.2	33
57	Selective conversion of {Mo132} Keplerate ion into 4-electron reduced crown-capped Keggin derivative [Te5Mo15O57]8â^'. A key intermediate to single-phase M1 multielement MoVTeO light-alkanes oxidation catalyst. Chemical Communications, 2011, 47, 6413.	4.1	32
58	Oxothiomolybdenum Derivatives of the Superlacunary Crown Heteropolyanion {P₈W₄₈}: Structure of [K₄{Mo₄O₄S₄(H₂O)₃(OH)₂}₂ and Studies in Solution. Inorganic Chemistry, 2012, 51, 2349-2358.	4.0	32
59	Tunable Keplerate Typeâ€Cluster â€œMo₁₃₂â€•Cavity with Dicarboxylate Anions. Chemistry - A European Journal, 2015, 21, 13311-13320.	3.3	32
60	An NMR study of the nitration of toluene over zeolites by HNO3Ã¢â‚¬â€œAc2O. Physical Chemistry Chemical Physics, 2001, 3, 5067-5075.	2.8	31
61	Structural Analysis of F/OH Distribution in a Hybrid Open-Framework Fluorinated Gallium Oxalateâ^'Phosphate Templated by 1,3-Diaminopropane (MIL-90). Chemistry of Materials, 2004, 16, 5318-5326.	6.7	25
62	29Si NMR Relaxation of Silicated Nanoparticles in Tetraethoxysilaneâ^'Tetrapropylammonium Hydroxideâ^'Water System (TEOSâ^'TPAOHâ^'H2O). Journal of Physical Chemistry C, 2009, 113, 10838-10841.	3.1	25
63	Tuning the chaotropic effect as an assembly motif through one-electron transfer in a rhenium cluster. Chemical Communications, 2019, 55, 9951-9954.	4.1	25
64	Chemical modification of high-quality large-pore M41S materials. Journal of Materials Chemistry, 2002, 12, 528-533.	6.7	24
65	Size-Exclusion Mechanism Driving Hostâ€“Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. Inorganic Chemistry, 2019, 58, 13184-13194.	4.0	24
66	Discovery and Supramolecular Interactions of Neutral Palladiumâ€Oxo Clusters Pd₁₆and Pd₂₄. Angewandte Chemie - International Edition, 2021, 60, 3632-3639.	13.8	24
67	Syntheses, characterizations and properties of [Mo2O2S2]-based oxothiomolybdenum wheels incorporating bisphosphonate ligands. Dalton Transactions, 2012, 41, 9955.	3.3	23
68	Evolution of the crystal growth mechanism of zeolite W (MER) with temperature. Microporous and Mesoporous Materials, 2019, 274, 379-384.	4.4	23
69	Silicate ionic liquid synthesis of zeolite merlinoite: Crystal size control from crystalline nanoaggregates to micron-sized single-crystals. Microporous and Mesoporous Materials, 2014, 198, 35-44.	4.4	21
70	Zeolite Beta Formation from Clear Sols: Silicate Speciation, Particle Formation and Crystallization Monitored by Complementary Analysis Methods. Chemistry - A European Journal, 2016, 22, 15307-15319.	3.3	21
71	A Ladderlike Chain Aluminum Fluoride ([Al2F8]2-)n with Edge-Sharing AlF6 Octahedra. Inorganic Chemistry, 2005, 44, 2920-2925.	4.0	20
72	Nuclear Magnetic Resonance Spectroscopy for In Situ Monitoring of Porous Materials Formation under Hydrothermal Conditions. Materials, 2018, 11, 1416.	2.9	20

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73	Slowâ€Proton Dynamics within a Zirconiumâ€Containing Sandwichâ€Like Complex Based on the Trivacant Anion Î±â€[SiW₉O₃₄]^{10â€“} â€“ Synthesis, Structure and NMR Spectroscopy. European Journal of Inorganic Chemistry, 2008, 2008, 4920-4926.	2.0	18
74	Cyclodextrin-Assisted Hierarchical Aggregation of Dawson-type Polyoxometalate in the Presence of {Re₆Se₈} Based Clusters. Inorganic Chemistry, 2020, 59, 11396-11406.	4.0	18
75	The primary stages of polyoxomolybdate catalyzed cyclohexanone oxidation by hydrogen peroxide as investigated by in situ NMR. Substrate activation and evolution of the working catalyst. Applied Catalysis A: General, 2018, 561, 104-116.	4.3	17
76	From supramolecular to solid state chemistry: crystal engineering of luminescent materials by trapping molecular clusters in an aluminium-based host matrix. Materials Horizons, 2020, 7, 2399-2406.	12.2	17
77	Redox-Responsive Hostâ€“Guest Association between Î³-Cyclodextrin and Mixed-Metal Keggin-Type Polyoxometalates. Inorganic Chemistry, 2021, 60, 7433-7441.	4.0	16
78	Discovery of a Neutral 40-Pd^{II}-Oxo Molecular Disk, [Pd₄₀O₂₄(OH)₁₆{(CH₃)₂AsO₂}₁₆]: Synthesis, Structural Characterization, and Catalytic Studies. Inorganic Chemistry, 2021, 60, 17339-17347.	4.0	16
79	Synthesis, characterization, and tuning of the liquid crystal properties of ionic materials based on the cyclic polyoxothiometalate [{Mo₄O₄S₄(H₂O)₃(OH)₂}₂(P₈O₃₂)]^{12–}. Soft Matter, 2015, 11, 1087-1099.	2.7	15
80	Unraveling Direct Formation of Hierarchical Zeolite Beta by Dynamic Light Scattering, Small Angle X-ray Scattering, and Liquid and Solid-State NMR: Insights at the Supramolecular Level. Chemistry of Materials, 2018, 30, 2676-2686.	6.7	15
81	Lowâ€Temperature Alkane Cï£¿H Bond Activation by Zeolites: An In Situ Solidâ€State NMR H/D Exchange Study for a Carbenium Concerto. Chemistry - A European Journal, 2010, 16, 9034-9039.	3.3	14
82	Activation energy of hydride transfer between isobutane molecules on USY zeolite. First direct experimental measurement by in situ MAS NMR using mixtures of isotopomers. Journal of Catalysis, 2013, 305, 130-134.	6.2	14
83	Tracking â€œApolarâ€•NMe₄⁺ Ions within Two Polyoxothiomolybdates that Have the Same Pores: Smaller Clathrate and Larger Highly Porous Clusters in Action. Chemistry - A European Journal, 2014, 20, 3097-3105.	3.3	14
84	Encapsulation of Chaotropic closoâ€Decahydrodecaborate Clusters Within Cyclodextrins: Synthesis, Solution Studies, and DFT Calculations. European Journal of Inorganic Chemistry, 2019, 2019, 3373-3382.	2.0	14
85	Structure-directing role of immobilized polyoxometalates in the synthesis of porphyrinic Zr-based metalâ€“organic frameworks. Chemical Communications, 2020, 56, 10143-10146.	4.1	14
86	Self-assembly of [PNb_xW_{12â^'x}O₄₀]^{nâ^'} Keggin anions â€“ a simple way to mixed Nbâ€“W polyoxometalates. New Journal of Chemistry, 2017, 41, 256-262.	2.8	13
87	Fluorescent Zr(IV) Metalâ€“Organic Frameworks Based on an Excited-State Intramolecular Proton Transfer-Type Ligand. Inorganic Chemistry, 2019, 58, 6918-6926.	4.0	13
88	Hostâ€Guest Complexation Between Cyclodextrins and Hybrid Hexavanadates: What are the Driving Forces?. Chemistry - A European Journal, 2021, 27, 15516-15527.	3.3	13
89	Improvement of the Hydrolytic Stability of the Keggin Molybdo- and Tungsto-Phosphate Anions by Cyclodextrins. Inorganic Chemistry, 2022, 61, 4193-4203.	4.0	13
90	Ion-Pairs in Aluminosilicate-Alkali Synthesis Liquids Determine the Aluminum Content and Topology of Crystallizing Zeolites. Chemistry of Materials, 2022, 34, 7150-7158.	6.7	13

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91	Improved Synthesis, Structure, and Solution Characterization of the Cyclic 48-Tungsto-8-Arsenate(V), [H4As8W48O184]36â^'. Journal of Cluster Science, 2014, 25, 277-285.	3.3	12
92	Two Compartmentalized Inner Receptors for the Tetramethylammonium Guest within a Keplerate-Type Capsule. Inorganic Chemistry, 2016, 55, 9368-9376.	4.0	12
93	Supramolecular Adduct of Î³-Cyclodextrin and [{Re6Q8}(H2O)6]2+ (Q=S, Se). Journal of Cluster Science, 2018, 29, 9-13.	3.3	12
94	Electrochemical properties of the [SiW10O36(M2O2E2)]6â^' polyoxometalate series (M = Mo(v) or W(v);) Tj ETQq0 0 0 rgBT /Overlock	2.8	12
95	Solid state NMR characterization of formation of poly(Ïµâ€caprolactone)/maghnite nanocomposites by in situ polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 3060-3068.	2.1	11
96	Unprecedented coupling reaction between two anionic species of a closo-decahydrodecaborate cluster and an Anderson-type polyoxometalate. Dalton Transactions, 2020, 49, 4685-4689.	3.3	11
97	H/D isotope exchange between methane and magic acid (HSO3Fâ€“SbF5): an in situ NMR study. New Journal of Chemistry, 2004, 28, 266-269.	2.8	10
98	Impact of Amino Acids on the Isomerization of the Aluminum Tridecamer Al₁₃. Inorganic Chemistry, 2017, 56, 12401-12409.	4.0	10
99	Discovery and Supramolecular Interactions of Neutral Palladiumâ€Oxo Clusters Pd 16 and Pd 24. Angewandte Chemie, 2021, 133, 3676-3683.	2.0	9
100	Covalent Attachment of Thiophene Groups to Polyoxomolybdates or PolyÂoxotungstates for the Formation of Hybrid Films. European Journal of Inorganic Chemistry, 2015, 2015, 4775-4782.	2.0	8
101	Synthesis and Characterisation of the Europium (III) Dimolybdo-Enneatungsto-Silicate Dimer, [Eu(Î±-SiW9Mo2O39)2]13â^'. Inorganics, 2015, 3, 341-354.	2.7	8
102	Highâ€field ⁹⁵Mo and ¹⁸³W static and MAS NMR study of polyoxometalates. Magnetic Resonance in Chemistry, 2017, 55, 902-908.	1.9	8
103	Photoactive Polyoxometalate/DASA Covalent Hybrids for Photopolymerization in the Visible Range. Chemistry - A European Journal, 2019, 25, 14349-14357.	3.3	8
104	From Specific Î³â€CD/[Nb₆Cl₁₂(H₂O)₆]²⁺ Recognition to Biological Activity Tuning. Chemistry - A European Journal, 2020, 26, 7479-7485.	3.3	8
105	Supramolecular Association between Î³-Cyclodextrin and Preyssler-Type Polyoxotungstate. Molecules, 2021, 26, 5126.	3.8	8
106	183W INADEQUATE 2D NMR Spectroscopy of Hetero Arsenatoâ€“Phosphatoâ€“Tungstate PV/AsV Substitution in Dawson-Type Î±-[AsxP2â€“xW18O62]6â€“ (x = 0â€“2) and Î±-[H4AsyP1â€“yW18O62]7â€“ (y = 0,4) Inorganic Chemistry, 2014, 53, 5568-5574.	4.0	7
107	Synthesis and Characterizations of Keplerate Nanocapsules Incorporating L- and D-Tartrate Ligands. Journal of Cluster Science, 2017, 28, 799-812.	3.3	7
108	pH-Controlled One Pot Syntheses of Giant Mo₂O₂S₂-Containing Seleno-Tungstate Architectures. Inorganic Chemistry, 2018, 57, 56-63.	4.0	7

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109	Bicapped Keggin polyoxomolybdates: discrete species and experimental and theoretical investigations on the electronic delocalization in a chain compound. Dalton Transactions, 2018, 47, 10636-10645.	3.3	7
110	Timeâ€Resolved Spectroscopy and Highâ€Efficiency Lightâ€Driven Hydrogen Evolution of a {Mo₃S₄}â€Containing Polyoxometalateâ€Based System. Chemistry - A European Journal, 2021, 27, 17094-17103.	3.3	7
111	Fluorine-19 NMR from retrosynthesis to NMR crystallography. Journal of Fluorine Chemistry, 2000, 101, 269-272.	1.7	6
112	Changing the Oxothiomolybdate Ring from an Anionic to a Cationic Receptor. Inorganic Chemistry, 2007, 46, 9516-9518.	4.0	6
113	Cyclodextrin-Driven Formation of Double Six-Ring (D6R) Silicate Cage: NMR Spectroscopic Characterization from Solution to Crystals. Crystals, 2018, 8, 457.	2.2	6
114	Screening of biological properties of MoV2O2S2- and MoV2O4-based coordination complexes: Investigation of antibacterial, antifungal, antioxidative and antitumoral activities versus growing of Spirulina platensis biomass. Journal of Inorganic Biochemistry, 2022, 226, 111627.	3.5	6
115	â€œHost in Hostâ€•Supramolecular Coreâ€“Shell Type Systems Based on Giant Ringâ€Shaped Polyoxometalates. Angewandte Chemie, 2021, 133, 14265-14272.	2.0	5
116	Coordination capacity of Keggin anions as polytopic ligands: case study of [VNb₁₂O₄₀]^{15â^’}. Dalton Transactions, 2021, 50, 7078-7084.	3.3	5
117	Synthesis, Structures, and Solution Studies of a New Class of [Mo₂O₂S₂]-Based Thiosemicarbazone Coordination Complexes. ACS Omega, 0, , .	3.5	5
118	Combined MS and NMR: attractive route to future understanding of the first stages of nucleation of nanoporous materials. Studies in Surface Science and Catalysis, 2008, , 941-944.	1.5	4
119	Synthesis, structure and solid state NMR analysis of a new templated titanium(III/IV) fluorophosphate. Comptes Rendus Chimie, 2010, 13, 336-342.	0.5	4
120	Tetrapropylammonium Occlusion in Nanoaggregates of Precursor of Silicalite-1 Zeolite Studied by 1H and 13C NMR. Inorganics, 2016, 4, 18.	2.7	4
121	Self-organization of silicates on different length scales exemplified by amorphous mesoporous silica and mesoporous zeolite beta using multiammonium surfactants. RSC Advances, 2020, 10, 20928-20938.	3.6	4
122	A decatungstate-based ionic liquid exhibiting a very low dielectric constant suitable for acting as a solvent and a catalyst for the oxidation of organic substrates. New Journal of Chemistry, 2021, 45, 9751-9755.	2.8	4
123	Coordination-driven supramolecular syntheses of new homo- and hetero-polymetallic Cu(i) assemblies: solid-state and solution characterization. Inorganic Chemistry Frontiers, 0, , .	6.0	4
124	The use of aluminium and others p elements (gallium, indium) for the generation of MOF-type materials. Studies in Surface Science and Catalysis, 2008, , 447-450.	1.5	3
125	Investigation of the protonation state of the macrocyclic {H_nP₈W₄₈O₁₈₄} anion by modeling ¹⁸³W NMR chemical shifts. New Journal of Chemistry, 2017, 41, 6112-6119.	2.8	3
126	MgTi(cat)3, a promising precursor for the preparation of Tiâ€“MOFs?. Polyhedron, 2018, 156, 111-115.	2.2	3

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127	Bis-3,5-Diamino-1,2,4-Triazolyl-1,2,4,5-Tetrazine: From Insensitive High Energy Density Materials to Small Molecule Organic Semiconductors. Crystal Growth and Design, 2020, 20, 6510-6518.	3.0	3
128	MIL-101(Cr) MOF as a Support for Reactive Polyoxometalates (POMs) Clusters. Principles of POMs Encapsulation and Chemistry of POMs Inside MIL-101 Cavities. Current Inorganic Chemistry, 2018, 7, 145-156.	0.2	3
129	Grafting of aluminium on dealuminated H-BEA using alkoxides. Studies in Surface Science and Catalysis, 2002, 142, 31-38.	1.5	2
130	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and Î³-Cyclodextrin. Chemistry - A European Journal, 2018, 24, 13382-13382.	3.3	1
131	Revisiting the Three Vanadium Sandwich-Type Polyoxometalates: Structures, Solution Behavior, and Redox Properties. Inorganic Chemistry, 2022, 61, 8309-8319.	4.0	1
132	A Ladderlike Chain Aluminum Fluoride ([Al2F8]2-)n with Edge-Sharing AlF6 Octahedra.. ChemInform, 2005, 36, no.	0.0	0