

Dermot O'Hare

List of Publications by Year in descending order

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640
papers

31,022
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6592

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666
docs citations

666
times ranked

22703
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#	ARTICLE	IF	CITATIONS
1	Recent Advances in the Synthesis and Application of Layered Double Hydroxide (LDH) Nanosheets. <i>Chemical Reviews</i> , 2012, 112, 4124-4155.	23.0	2,796
2	Intercalation chemistry of layered double hydroxides: recent developments and applications. <i>Journal of Materials Chemistry</i> , 2002, 12, 3191-3198.	6.7	1,055
3	Recent advances in solid sorbents for CO ₂ capture and new development trends. <i>Energy and Environmental Science</i> , 2014, 7, 3478-3518.	15.6	953
4	Preparation of two dimensional layered double hydroxide nanosheets and their applications. <i>Chemical Society Reviews</i> , 2017, 46, 5950-5974.	18.7	676
5	Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO ₂ to CO with Water. <i>Advanced Materials</i> , 2015, 27, 7824-7831.	11.1	608
6	Ultrafine NiO Nanosheets Stabilized by TiO ₂ from Monolayer NiTi-LDH Precursors: An Active Water Oxidation Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 6517-6524.	6.6	597
7	Metal~Metal Interactions in Linked Metallocenes. <i>Chemical Reviews</i> , 1997, 97, 637-670.	23.0	544
8	Towards understanding, control and application of layered double hydroxide chemistry. <i>Journal of Materials Chemistry</i> , 2006, 16, 3065.	6.7	526
9	Layered Double Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	11.1	524
10	Non-Metal-Mediated Homogeneous Hydrogenation of CO ₂ to CH ₃ OH. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9839-9843.	7.2	476
11	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	10.2	389
12	Time-resolved in situ X-ray diffraction study of the liquid-phase reconstruction of Mg-Al carbonate hydroxalcite-like compounds. <i>Journal of Materials Chemistry</i> , 2000, 10, 1713-1720.	6.7	347
13	Intercalation and controlled release of pharmaceutically active compounds from a layered double hydroxide. <i>Chemical Communications</i> , 2001, , 2342-2343.	2.2	323
14	Electronic Communication through Unsaturated Hydrocarbon Bridges in Homobimetallic Organometallic Complexes. <i>Chemical Reviews</i> , 2010, 110, 4839-4864.	23.0	306
15	Flame retardant polymer/layered double hydroxide nanocomposites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10996.	5.2	299
16	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	10.2	274
17	NiTi-Layered double hydroxides nanosheets as efficient photocatalysts for oxygen evolution from water using visible light. <i>Chemical Science</i> , 2014, 5, 951-958.	3.7	250
18	Synthesis and Structure of the Gibbsite Intercalation Compounds [LiAl ₂ (OH) ₆]X {X = Cl, Br, NO ₃ } and [LiAl ₂ (OH) ₆]Cl·H ₂ O Using Synchrotron X-ray and Neutron Powder Diffraction. <i>Chemistry of Materials</i> , 1997, 9, 241-247.	3.2	229

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19	New Separation Science Using Shape-Selective Ion Exchange Intercalation Chemistry. <i>Advanced Materials</i> , 1999, 11, 1466-1469.	11.1	217
20	Delamination of layered double hydroxides in polar monomers: new LDH-acrylate nanocomposites. Electronic supplementary information (ESI) available: TEM image of Mg ₂ Al(OH) ₆ (Cl) showing the layered structure. See http://www.rsc.org/suppdata/cc/b2/b204213d/ . <i>Chemical Communications</i> , 2002, , 1506-1507.	2.2	208
21	Efficient Separation of Terephthalate and Phthalate Anions by Selective Ion-Exchange Intercalation in the Layered Double Hydroxide Ca ₂ Al(OH) ₆ ·NO ₃ ·2H ₂ O. <i>Chemistry of Materials</i> , 2000, 12, 1990-1994.	3.2	175
22	Unique Layered Double Hydroxide Morphologies Using Reverse Microemulsion Synthesis. <i>Journal of the American Chemical Society</i> , 2005, 127, 17808-17813.	6.6	172
23	Selective Ion-Exchange Intercalation of Isomeric Dicarboxylate Anions into the Layered Double Hydroxide [LiAl ₂ (OH) ₆]Cl·H ₂ O. <i>Chemistry of Materials</i> , 1998, 10, 351-355.	3.2	171
24	Functionalized layered double hydroxides for innovative applications. <i>Materials Horizons</i> , 2020, 7, 715-745.	6.4	171
25	Large-scale synthesis of highly dispersed layered double hydroxide powders containing delaminated single layer nanosheets. <i>Chemical Communications</i> , 2013, 49, 6301.	2.2	167
26	Comprehensive investigation of CO ₂ adsorption on Mg-Al-CO ₃ LDH-derived mixed metal oxides. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12782.	5.2	164
27	Separating Electrophilicity and Lewis Acidity: The Synthesis, Characterization, and Electrochemistry of the Electron Deficient Tris(aryl)boranes B(C ₆ F ₅) ₃ ·n(C ₆ Cl ₅) _n (n = 1-3). <i>Journal of the American Chemical Society</i> , 2011, 133, 14727-14740.	6.6	153
28	Synthesis of Flame-Retardant Polypropylene/LDH-Borate Nanocomposites. <i>Macromolecules</i> , 2013, 46, 6145-6150.	2.2	146
29	High pseudocapacitive cobalt carbonate hydroxide films derived from CoAl layered double hydroxides. <i>Nanoscale</i> , 2012, 4, 3640.	2.8	144
30	Real Time Observation of the Hydrothermal Crystallization of Barium Titanate Using in Situ Neutron Powder Diffraction. <i>Journal of the American Chemical Society</i> , 2001, 123, 12547-12555.	6.6	138
31	The kinetics and mechanisms of the crystallisation of microporous materials. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3133-3148.	1.1	136
32	Molecular Mechanics Study of Oligomeric Models for Poly(ferrocenylsilanes) Using the Extensible Systematic Forcefield (ESFF). <i>Journal of the American Chemical Society</i> , 1996, 118, 7578-7592.	6.6	132
33	TOF-MS: A Large 1D Channel Thorium Organic Framework. <i>Journal of the American Chemical Society</i> , 2008, 130, 3762-3763.	6.6	131
34	Recent Developments in the Use of Layered Double Hydroxides as Host Materials for the Storage and Triggered Release of Functional Anions. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10196-10205.	1.8	129
35	Ni ³⁺ -doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015, 7, 7168-7173.	2.8	127
36	Time-Resolved In-Situ Energy and Angular Dispersive X-ray Diffraction Studies of the Formation of the Microporous Gallophosphate ULM-5 under Hydrothermal Conditions. <i>Journal of the American Chemical Society</i> , 1999, 121, 1002-1015.	6.6	125

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37	An in Situ Energy-Dispersive X-ray Diffraction Study of the Hydrothermal Crystallization of Zeolite A. 1. Influence of Reaction Conditions and Transformation into Sodalite. Journal of Physical Chemistry B, 2001, 105, 83-90.	1.2	121
38	CO ₂ Hydrogenation to Methanol over Catalysts Derived from Single Cationic Layer CuZnGa LDH Precursors. ACS Catalysis, 2018, 8, 4390-4401.	5.5	121
39	Synthesis of nano-sized spherical Mg ₃ Al-CO ₃ layered double hydroxide as a high-temperature CO ₂ adsorbent. RSC Advances, 2013, 3, 3414.	1.7	119
40	Expertise in aeronautical weather-related decision making: A cross-sectional analysis of general aviation pilots.. Journal of Experimental Psychology: Applied, 1995, 1, 305-320.	0.9	118
41	New Layered Uranium(VI) Molybdates: Syntheses and Structures of (NH ₃ (CH ₂) ₃ NH ₃)(H ₃ O) ₂ (UO ₂) ₃ (MoO ₄) ₅ , C(NH ₂) ₃ (UO ₂)(OH)(MoO ₄), (C ₄ H ₁₂ N ₂)(UO ₂)(MoO ₄) ₂ , and (C ₅ H ₁₄ N ₂)(UO ₂)(MoO ₄) ₂ ·H ₂ O. Inorganic Chemistry, 1999, 38, 271-279.	1.9	117
42	Watching solids crystallise using in situ powder diffraction. Chemical Communications, 2000, , 2283-2291.	2.2	116
43	Carbon nitride nanosheet/metal-organic framework nanocomposites with synergistic photocatalytic activities. Catalysis Science and Technology, 2016, 6, 5042-5051.	2.1	116
44	Synthesis and characterisation of aqueous miscible organic-layered double hydroxides. Journal of Materials Chemistry A, 2014, 2, 15102-15110.	5.2	114
45	Molten salts-modified MgO-based adsorbents for intermediate-temperature CO ₂ capture: A review. Journal of Energy Chemistry, 2017, 26, 830-838.	7.1	114
46	Hydrodeoxygenation of water-insoluble bio-oil to alkanes using a highly dispersed Pd-Mo catalyst. Nature Communications, 2017, 8, 591.	5.8	110
47	Intercalation of catalytically active metal complexes in phyllosilicates and their application as propene polymerisation catalysts. Chemical Communications, 1996, , 2031.	2.2	106
48	Recent advances in lithium containing ceramic based sorbents for high-temperature CO ₂ capture. Journal of Materials Chemistry A, 2019, 7, 7962-8005.	5.2	106
49	Formation of Second-Stage Intermediates in Anion-Exchange Intercalation Reactions of the Layered Double Hydroxide [LiAl ₂ (OH) ₆]Cl·H ₂ O As Observed by Time-Resolved, in Situ X-ray Diffraction. Chemistry of Materials, 1998, 10, 356-360.	3.2	105
50	Ordered-Vacancy-Induced Cation Intercalation into Layered Double Hydroxides: A General Approach for High-Performance Supercapacitors. Chem, 2018, 4, 2168-2179.	5.8	105
51	One-step synthesis and AFM imaging of hydrophobic LDH monolayers. Chemical Communications, 2006, , 287-289.	2.2	103
52	Preparation of stable dispersions of layered double hydroxides (LDHs) in nonpolar hydrocarbons: new routes to polyolefin/LDH nanocomposites. Chemical Communications, 2012, 48, 7450.	2.2	103
53	Synthesis of Cyclical Diamine Templated Uranium Sulfates. Chemistry of Materials, 2002, 14, 5179-5184.	3.2	102
54	Comparison of glassy carbon and boron doped diamond electrodes: Resistance to biofouling. Electrochimica Acta, 2010, 55, 6586-6595.	2.6	100

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55	Synthesis of magnesium aluminium layered double hydroxides in reverse microemulsions. <i>Journal of Materials Chemistry</i> , 2007, 17, 2257.	6.7	98
56	[NC ₄ H ₁₂] ₂ [(UO ₂) ₆ (H ₂ O) ₂ (SO ₄) ₇]: the first organically templated actinide sulfate with a three-dimensional framework structure. <i>Chemical Communications</i> , 2002, , 2946-2947.	2.2	97
57	Stereospecific propene polymerisation catalysis using an organometallic modified mesoporous silicate. <i>Chemical Communications</i> , 1997, , 603-604.	2.2	94
58	Structural diversity in organically templated uranium sulfates Electronic supplementary information (ESI) available: three-dimensional packing diagrams for USO-6 and USO-10. See http://www.rsc.org/suppdata/dt/b2/b209208e/ . <i>Dalton Transactions</i> , 2003, , 1168-1175.	1.6	94
59	High gas barrier coating using non-toxic nanosheet dispersions for flexible food packaging film. <i>Nature Communications</i> , 2019, 10, 2398.	5.8	94
60	An apparatus for the study of the kinetics and mechanism of hydrothermal reactions by in situ energy dispersive x-ray diffraction. <i>Review of Scientific Instruments</i> , 1995, 66, 2442-2445.	0.6	93
61	Analytical techniques for cyanide in blood and published blood cyanide concentrations from healthy subjects and fire victims. <i>Analytica Chimica Acta</i> , 2004, 511, 185-195.	2.6	93
62	A novel family of layered double hydroxides [MAl ₄ (OH) ₁₂](NO ₃) ₂ ·xH ₂ O (M = Co, Ni, Cu, Zn). <i>Journal of Materials Chemistry</i> , 2004, 14, 2369-2371.	6.7	93
63	Reverse Micelle Synthesis of Co and Al LDHs: Control of Particle Size and Magnetic Properties. <i>Chemistry of Materials</i> , 2011, 23, 171-180.	3.2	92
64	Incorporation of uranium(vi) into metal-organic framework solids, [UO ₂ (C ₄ H ₄ O ₄)]·H ₂ O, [UO ₂ F(C ₅ H ₆ O ₄)]·2H ₂ O, and [(UO ₂) _{1.5} (C ₈ H ₄ O ₄) ₂] ₂ [(CH ₃) ₂ NCOH ₂] ₂ ·H ₂ O. <i>Dalton Transactions</i> , 2003, , 2813-2814.	1.6	91
65	Recent advances in direct air capture by adsorption. <i>Chemical Society Reviews</i> , 2022, 51, 6574-6651.	18.7	89
66	Ferromagnetically coupled linear electron-transfer complexes. Structural and magnetic characterization of [Cr(.eta. ⁶ -C ₆ MexH ₆ -x) ₂][TCNE] (x = 0,3,6) and S = 0 [TCNE] ₂₂ -. <i>Journal of the American Chemical Society</i> , 1989, 111, 7853-7860.	6.6	88
67	Homoleptic Permethylpentalene Complexes: Double Metallocenes of the First-Row Transition Metals. <i>Journal of the American Chemical Society</i> , 2008, 130, 15662-15677.	6.6	88
68	Ring-Opening Polymerization of 19-Electron [2]Cobaltocenophanes: A Route to High-Molecular-Weight, Water-Soluble Polycobaltocenium Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2009, 131, 10382-10383.	6.6	88
69	Hydrothermal Synthesis of Microporous Tin Sulfides Studied by Real-Time in Situ Energy-Dispersive X-ray Diffraction. <i>Chemistry of Materials</i> , 1996, 8, 2102-2108.	3.2	87
70	Study of the Intercalation of Lithium Salt in Gibbsite Using Time-Resolved in Situ X-ray Diffraction. <i>Chemistry of Materials</i> , 1999, 11, 1771-1775.	3.2	86
71	Exploration of Composition Space in Templated Uranium Sulfates. <i>Inorganic Chemistry</i> , 2003, 42, 6989-6995.	1.9	86
72	Ammonia-Rich High-Temperature Superconducting Intercalates of Iron Selenide Revealed through Time-Resolved in Situ X-ray and Neutron Diffraction. <i>Journal of the American Chemical Society</i> , 2014, 136, 630-633.	6.6	86

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73	Weatherwise: Evaluation of a Cue-Based Training Approach for the Recognition of Deteriorating Weather Conditions during Flight. <i>Human Factors</i> , 2003, 45, 337-345.	2.1	85
74	New Layered Uranium Phosphate Fluorides: Syntheses, Structures, Characterizations, and Ion-Exchange Properties of $A(UO_2)F(PO_4)_x \cdot nH_2O$ ($A = Cs^+, Rb^+, K^+$; $x = 0 \text{ to } 1$). <i>Inorganic Chemistry</i> , 2006, 45, 10207-10214.	1.9	85
75	Cellular uptake and gene delivery using layered double hydroxide nanoparticles. <i>Journal of Materials Chemistry B</i> , 2013, 1, 61-68.	2.9	85
76	From Molecules to Frameworks: A Variable Dimensionality in the $UO_2(CH_3COO)_2 \cdot 2H_2O/HF(aq)/Piperazine$ System. Syntheses, Structures, and Characterization of Zero-Dimensional $(C_4N_2H_{12})UO_2F_4 \cdot 3H_2O$, One-Dimensional $(C_4N_2H_{12})_2U_2F_{12} \cdot H_2O$, Two-Dimensional $(C_4N_2H_{12})_2(U_2O_4F_5)_4 \cdot 11H_2O$, and Three-Dimensional $(C_4N_2H_{12})U_2O_4F_6$. <i>Journal of the American Chemical Society</i> , 1999, 121, 10513-10521.	6.6	82
77	Organically templated uranium(vi) sulfates: understanding phase stability using composition space. <i>Journal of Materials Chemistry</i> , 2003, 13, 88-92.	6.7	82
78	$[(Th_2F_5)(NC_7H_5O_4)_2(H_2O)] [NO_3] \cdot nH_2O$: An Actinide Organic Open Framework. <i>Journal of the American Chemical Society</i> , 2003, 125, 12688-12689.	6.6	82
79	Polypropylene/layered double hydroxide nanocomposites. <i>Journal of Materials Chemistry</i> , 2012, 22, 19113.	6.7	82
80	The First Open Framework Actinide Material $(C_4N_2H_{12})U_2O_4F_6$ (MUF-1). <i>Journal of the American Chemical Society</i> , 1999, 121, 7415-7416.	6.6	81
81	Molecular Scale Hybridization of Clay Monolayers and Conducting Polymer for Thin Film Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 2745-2753.	7.8	80
82	The First Organically Templated Layered Uranium(IV) Fluorides: $(H_3N(CH_2)_3NH_3)U_2F_{10} \cdot 2H_2O$, $(H_3N(CH_2)_4NH_3)U_2F_{10} \cdot 3H_2O$, and $(H_3N(CH_2)_6NH_3)U_2F_{10} \cdot 2H_2O$. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2214-2217.	7.2	78
83	Synthesis and electronic structure of permethylindenyl complexes of iron and cobalt. <i>Organometallics</i> , 1992, 11, 48-55.	1.1	77
84	The development of an electrochemical sensor for the determination of cyanide in physiological solutions. <i>Analytica Chimica Acta</i> , 2006, 558, 158-163.	2.6	77
85	Layered Double Hydroxide Nanotransporter for Molecule Delivery to Intact Plant Cells. <i>Scientific Reports</i> , 2016, 6, 26738.	1.6	77
86	Immersion factors affecting perception and behaviour in a virtual reality power wheelchair simulator. <i>Applied Ergonomics</i> , 2017, 58, 1-12.	1.7	76
87	The activation of carbon-hydrogen bonds. <i>Pure and Applied Chemistry</i> , 1985, 57, 1897-1910.	0.9	74
88	Ferromagnetic behavior in linear charge-transfer complexes. Structural and magnetic characterization of octamethylferrocene salts: $[Fe(C_5Me_4H)_2] \cdot [A] \cdot nH_2O$ ($A = TCNE, TCNQ$). <i>Inorganic Chemistry</i> , 1989, 28, 2930-2939.	1.9	74
89	Scanning Electrochemical Microscopy as a Local Probe of Oxygen Permeability in Cartilage. <i>Biophysical Journal</i> , 2000, 78, 1578-1588.	0.2	74
90	Thermal Ring-Opening Polymerization of Hydrocarbon-Bridged [2]Ferrocenophanes: Synthesis and Properties of Poly(ferrocenylethylene)s and Their Charge-Transfer Polymer Salts with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 1997, 3, 573-584.	1.7	73

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91	Synthesis, Characterization, and Properties of High Molecular Weight Poly(methylated) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Macromolecules, 1996, 29, 1894-1903.	2.2	72
92	Synthesis of ultrafine layered double hydroxide (LDHs) nanoplates using a continuous-flow hydrothermal reactor. Nanoscale, 2013, 5, 114-117.	2.8	72
93	Synthesis, Structures, and Properties of Strained, Silicon-Bridged [1]Ferrocenophanes with Methylated Cyclopentadienyl Rings. Organometallics, 1995, 14, 2470-2479.	1.1	71
94	Organically templated layered uranium(VI) phosphates: hydrothermal syntheses and structures of [NH ₄][UO ₂](PO ₄)(HPO ₄) and [NPr ₄][(UO ₂) ₃ (PO ₄)(HPO ₄) ₂]. Chemical Communications, 1998, , 279-280.	2.2	71
95	Synthesis of LiAl ₂ -layered double hydroxides for CO ₂ capture over a wide temperature range. Journal of Materials Chemistry A, 2014, 2, 18454-18462.	5.2	69
96	Multi-property materials: Magnetism and NLO properties. Advanced Materials, 1994, 6, 794-797.	11.1	68
97	The "Wheel of Misfortune"™: a taxonomic approach to human factors in accident investigation and analysis in aviation and other complex systems. Ergonomics, 2000, 43, 2001-2019.	1.1	68
98	Controlled Structural Variations in Templated Uranium Sulfates. Inorganic Chemistry, 2003, 42, 5949-5953.	1.9	67
99	Expert and Novice Pilot Perceptions of Static In-Flight Images of Weather. The International Journal of Aviation Psychology, 2003, 13, 173-187.	0.7	67
100	Time-Resolved in Situ X-ray Powder Diffraction Study of the Formation of Mesoporous Silicates. Chemistry of Materials, 1999, 11, 1822-1832.	3.2	66
101	The First Fully Fluorinated Organically Templated Materials: Synthesis, Structures, and Physical Properties of [H ₃ N(CH ₂) ₃ NH ₃][U ₂ F ₁₀ ·2H ₂ O], [H ₃ N(CH ₂) ₄ NH ₃][U ₂ F ₁₀ ·3H ₂ O], [H ₃ N(CH ₂) ₆ NH ₃][U ₂ F ₁₀ ·2H ₂ O], and [HN(CH ₂ CH ₂ NH ₃) ₃][U ₅ F ₂₄]. Chemistry of Materials, 1998, 10, 3131-3139.		65
102	Hydrothermal Synthesis of (C ₆ N ₂ H ₁₄) ₂ (U ₂ F ₁₀ ·4F ₁₂), a Mixed-Valent One-Dimensional Uranium Oxyfluoride. Inorganic Chemistry, 2000, 39, 3791-3798.	1.9	65
103	The Role of Amine Sulfates in Hydrothermal Uranium Chemistry. Inorganic Chemistry, 2005, 44, 3837-3843.	1.9	64
104	'Pressing On' Into Deteriorating Conditions: An Application of Behavioral Decision Theory to Pilot Decision Making. The International Journal of Aviation Psychology, 1995, 5, 351-370.	0.7	63
105	Quantitative spatially resolved measurements of mass transfer through laryngeal cartilage. Biophysical Journal, 1997, 73, 2771-2781.	0.2	63
106	Variable Dimensionality in the Uranium Fluoride/2-Methyl-Piperazine System: Syntheses and Structures of UFO-5, -6, and -7; Zero-, One-, and Two-Dimensional Materials with Unprecedented Topologies. Journal of the American Chemical Society, 1999, 121, 1609-1610.	6.6	63
107	Predicting Guest Orientations in Layered Double Hydroxide Intercalates. Chemistry of Materials, 1999, 11, 1194-1200.	3.2	63
108	Intercalation chemistry of the novel layered double hydroxides [MA ₄ (OH) ₁₂](NO ₃) ₂ ·yH ₂ O (M = Zn, Cu, Tj ETQq0 0 0 rgBT /Overlock 2006, 16, 1222.	6.7	63

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109	Tuneable ultra high specific surface area Mg/Al-CO ₃ layered double hydroxides. Dalton Transactions, 2015, 44, 16392-16398.	1.6	63
110	Molecular nitrogen promotes catalytic hydrodeoxygenation. Nature Catalysis, 2019, 2, 1078-1087.	16.1	63
111	Time-Resolved, In Situ X-ray Diffraction Studies of Staging during Phosphonic Acid Intercalation into [LiAl ₂ (OH) ₆]Cl·H ₂ O. Chemistry of Materials, 2004, 16, 975-981.	3.2	62
112	Solid-State Chelation of Metal Ions by Ethylenediaminetetraacetate Intercalated in a Layered Double Hydroxide. Inorganic Chemistry, 2003, 42, 1919-1927.	1.9	61
113	Kinetic and Mechanistic Investigations of Hydrothermal Transformations in Zinc Phosphates. Journal of the American Chemical Society, 2004, 126, 6673-6679.	6.6	61
114	Highly dispersed Cu _y AlO _x mixed oxides as superior low-temperature alkali metal and SO ₂ resistant NH ₃ -SCR catalysts. Applied Catalysis A: General, 2017, 538, 37-50.	2.2	61
115	Synthesis, Structures, and Reactivity of Two Compounds Containing the Tancoite-like [Ga(HPO ₄) ₂] ₂ ·nH ₂ O Chain. Chemistry of Materials, 2000, 12, 1977-1984.	3.2	60
116	Triple-decker transition metal complexes bridged by a single carbocyclic ring. Journal of Organometallic Chemistry, 2004, 689, 3920-3938.	0.8	60
117	Electronic Coupling in Mixed-Valence Dinuclear Ferrocenes and Cobaltocenes with Saturated Bridging Groups. Chemistry - A European Journal, 2005, 11, 4473-4481.	1.7	60
118	Small molecule activation by frustrated Lewis pairs. Dalton Transactions, 2013, 42, 2431-2437.	1.6	60
119	An Objective Approach to Identifying Diagnostic Expertise Among Power System Controllers. Human Factors, 2013, 55, 90-107.	2.1	60
120	Core-shell SiO ₂ @LDHs with tuneable size, composition and morphology. Chemical Communications, 2015, 51, 3462-3465.	2.2	60
121	An in Situ Energy-Dispersive X-ray Diffraction Study of the Hydrothermal Crystallizations of Open-Framework Gallium Oxyfluorophosphates with the ULM-3 and ULM-4 Structures. Chemistry of Materials, 1999, 11, 3201-3209.	3.2	58
122	The room-temperature crystallisation of a one-dimensional gallium fluorophosphate, Ga(HPO ₄) ₂ ·H ₃ N(CH ₂) ₃ NH ₃ ·2H ₂ O, a precursor to three-dimensional microporous gallium fluorophosphates. Chemical Communications, 2000, , 203-204.	2.2	58
123	Efficient separation of pyridinedicarboxylates by preferential anion exchange intercalation in [LiAl ₂ (OH) ₆]Cl·H ₂ O. Journal of Materials Chemistry, 2000, 10, 1881-1886.	6.7	58
124	Enhanced luminescence of europium-doped layered double hydroxides intercalated by sensitiser anions. Chemical Communications, 2011, 47, 2104-2106.	2.2	58
125	Efficient CO ₂ capture from ambient air with amine-functionalized Mg-Al mixed metal oxides. Journal of Materials Chemistry A, 2020, 8, 16421-16428.	5.2	58
126	A New Three-Dimensional Vanadium Selenite, (VO) ₂ (SeO ₃) ₃ , with Isolated and Edge-Shared VO ₆ Octahedra. Inorganic Chemistry, 1997, 36, 6409-6412.	1.9	57

#	ARTICLE	IF	CITATIONS
127	Kinetic Study of the Intercalation of Cobaltocene by Layered Metal Dichalcogenides with Time-Resolved in Situ X-ray Powder Diffraction. <i>Journal of the American Chemical Society</i> , 1998, 120, 10837-10846.	6.6	57
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