

H Fjellvåg

List of Publications by Year in descending order

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523
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Hydrogen adsorption in a nickel based coordination polymer with open metal sites in the cylindrical cavities of the desolvated framework. <i>Chemical Communications</i> , 2006, , 959.	4.1	596
2	Theoretical investigation of magnetoelectric behavior in BiFeO ₃ . <i>Physical Review B</i> , 2006, 74, .	3.2	582
3	An In Situ High-Temperature Single-Crystal Investigation of a Dehydrated Metal-Organic Framework Compound and Field-Induced Magnetization of One-Dimensional Metal-Oxygen Chains. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6354-6358.	13.8	528
4	Amine functionalised metal organic frameworks (MOFs) as adsorbents for carbon dioxide. <i>Adsorption</i> , 2008, 14, 755-762.	3.0	409
5	Microstructures and Spectroscopic Properties of Cryptomelane-type Manganese Dioxide Nanofibers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13134-13140.	3.1	398
6	Adsorption properties and structure of CO ₂ adsorbed on open coordination sites of metal-organic framework Ni ₂ (dhtp) from gas adsorption, IR spectroscopy and X-ray diffraction. <i>Chemical Communications</i> , 2008, , 5125.	4.1	348
7	A comparison study on Raman scattering properties of $\hat{1}\pm$ - and $\hat{1}^2$ -MnO ₂ . <i>Analytica Chimica Acta</i> , 2009, 648, 235-239.	5.4	347
8	Base-Induced Formation of Two Magnesium Metal-Organic Framework Compounds with a Bifunctional Tetratopic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3624-3632.	2.0	295
9	Crystal Structure and Possible Charge Ordering in One-Dimensional Ca ₃ Co ₂ O ₆ . <i>Journal of Solid State Chemistry</i> , 1996, 124, 190-194.	2.9	280
10	Structural Changes and Coordinatively Unsaturated Metal Atoms on Dehydration of Honeycomb Analogous Microporous Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2008, 14, 2389-2397.	3.3	250
11	Magnetic properties of the one-dimensional Ca ₃ Co ₂ O ₆ . <i>Solid State Communications</i> , 1997, 101, 187-192.	1.9	235
12	Electronic structure and optical properties of ZnX (X=O, S, Se, Te): A density functional study. <i>Physical Review B</i> , 2007, 75, .	3.2	225
13	Equation of state of magnetite and its high-pressure modification: Thermodynamics of the Fe-O system at high pressure. <i>American Mineralogist</i> , 2000, 85, 514-523.	1.9	208
14	Phase stability, electronic structure, and optical properties of indium oxide polytypes. <i>Physical Review B</i> , 2007, 76, .	3.2	194
15	Crystal Structures of Titanate Nanotubes: A Raman Scattering Study. <i>Inorganic Chemistry</i> , 2009, 48, 1423-1432.	4.0	188
16	Pressure-Induced Structural Transitions in MgH ₂ . <i>Physical Review Letters</i> , 2002, 89, 175506.	7.8	186
17	Large magnetocrystalline anisotropy in bilayer transition metal phases from first-principles full-potential calculations. <i>Physical Review B</i> , 2001, 63, .	3.2	182
18	Oxygen Nonstoichiometry in YBaCo ₄ O _{7+δ} : Large Low-Temperature Oxygen Absorption/Desorption Capability. <i>Chemistry of Materials</i> , 2006, 18, 490-494.	6.7	178

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19	Energetics of intrinsic defects and their complexes in ZnO investigated by density functional calculations. <i>Physical Review B</i> , 2011, 83, .	3.2	162
20	Effect of Nonstoichiometry on Properties of $\text{La}_{1-x}\text{MnO}_3$. <i>Journal of Solid State Chemistry</i> , 1996, 124, 43-51.	2.9	159
21	Detailed electronic structure studies on superconducting MgB_2 and related compounds. <i>Physical Review B</i> , 2001, 64, .	3.2	159
22	Structural stability and pressure-induced phase transitions in MgH_2 . <i>Physical Review B</i> , 2006, 73, .	3.2	154
23	Growth of thin films of molybdenum oxide by atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2011, 21, 705-710.	6.7	133
24	On the Crystallographic and Magnetic Structures of Nearly Stoichiometric Iron Monoxide. <i>Journal of Solid State Chemistry</i> , 1996, 124, 52-57.	2.9	128
25	Structural stability of alkali boron tetrahydrides ABH_4 ($A = \text{Li, Na, K, Rb, Cs}$) from first principle calculation. <i>Journal of Alloys and Compounds</i> , 2005, 387, 97-104.	5.5	126
26	Accurate structure of LiAlD_4 studied by combined powder neutron and X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2002, 346, 184-189.	5.5	124
27	Evidence for Oxygen Vacancies in Misfit-Layered Calcium Cobalt Oxide, $[\text{CoCa}_2\text{O}_3]_q\text{CoO}_2$. <i>Chemistry of Materials</i> , 2004, 16, 2790-2793.	6.7	124
28	How Crystallite Size Controls the Reaction Path in Nonaqueous Metal Ion Batteries: The Example of Sodium Bismuth Alloying. <i>Chemistry of Materials</i> , 2016, 28, 2750-2756.	6.7	113
29	Pressure-induced phase of NaAlH_4 : A potential candidate for hydrogen storage?. <i>Applied Physics Letters</i> , 2003, 82, 2257-2259.	3.3	112
30	Theoretical Investigations on the Chemical Bonding, Electronic Structure, And Optical Properties of the Metal-Organic Framework MOF-5. <i>Inorganic Chemistry</i> , 2010, 49, 10283-10290.	4.0	112
31	Itinerant metamagnetism and possible spin transition in LaCoO_3 by temperature/hole doping. <i>Journal of Applied Physics</i> , 2002, 91, 291.	2.5	108
32	Ground-state and excited-state properties of LaMnO_3 from full-potential calculations. <i>Physical Review B</i> , 2002, 65, .	3.2	108
33	Nanocrystalline Orthoferrite GdFeO_3 from a Novel Heterobimetallic Precursor. <i>Advanced Materials</i> , 2002, 14, 1405-1409.	21.0	108
34	Growth of Fe_2O_3 thin films by atomic layer deposition. <i>Thin Solid Films</i> , 2005, 488, 74-81.	1.8	103
35	Crystal and magnetic structure of orthorhombic HoMnO_3 . <i>Physical Review B</i> , 2001, 63, .	3.2	102
36	Growth of manganese oxide thin films by atomic layer deposition. <i>Thin Solid Films</i> , 2003, 444, 44-51.	1.8	101

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37	Synthesis of Metastable Perovskite-type YMnO_3 and HoMnO_3 . <i>Journal of Solid State Chemistry</i> , 1997, 129, 334-340.	2.9	100
38	Deposition of thin films of organic-inorganic hybrid materials based on aromatic carboxylic acids by atomic layer deposition. <i>Dalton Transactions</i> , 2010, 39, 11628.	3.3	98
39	Low-temperature structural distortion in CuS . <i>Zeitschrift für Kristallographie</i> , 1988, 184, 111-121.	1.1	95
40	Atomic Layer Deposition of Li_2O - Al_2O_3 Thin Films. <i>Chemistry of Materials</i> , 2011, 23, 4669-4675.	6.7	94
41	Huge-pressure-induced volume collapse in LiAlH_4 and its implications to hydrogen storage. <i>Physical Review B</i> , 2003, 68, .	3.2	91
42	Short hydrogen-hydrogen separations in novel intermetallic hydrides, $\text{RE}_3\text{Ni}_3\text{In}_3\text{D}_4$ (RE=La, Ce and Nd). <i>Journal of Alloys and Compounds</i> , 2002, 330-332, 132-140.	5.5	90
43	Synthesis and Properties of Layered-Structured Mn_5O_8 Nanorods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 922-928.	3.1	90
44	Growth of thin films of Co_3O_4 by atomic layer deposition. <i>Thin Solid Films</i> , 2007, 515, 7772-7781.	1.8	87
45	Lanthanum titanate and lithium lanthanum titanate thin films grown by atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2010, 20, 2877.	6.7	87
46	Structural properties of ZrTe_5 and HfTe_5 as seen by powder diffraction. <i>Solid State Communications</i> , 1986, 60, 91-93.	1.9	86
47	Coulomb correlation effects in zinc monochalcogenides. <i>Journal of Applied Physics</i> , 2006, 100, 043709.	2.5	86
48	Structural, Magnetic, and Thermal Properties of La_2CrO_3 . <i>Journal of Solid State Chemistry</i> , 1996, 121, 202-213.	2.9	84
49	The decomposition of LiAlD_4 studied by in-situ X-ray and neutron diffraction. <i>Journal of Alloys and Compounds</i> , 2003, 351, 222-227.	5.5	84
50	Atomic layer deposition of lithium containing thin films. <i>Journal of Materials Chemistry</i> , 2009, 19, 8767.	6.7	81
51	On the crystal structure and magnetic properties of MnNiGe . <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 50, 291-297.	2.3	78
52	SAPO-34 methanol-to-olefin catalysts under working conditions: A combined in situ powder X-ray diffraction, mass spectrometry and Raman study. <i>Journal of Catalysis</i> , 2009, 268, 290-296.	6.2	76
53	Growth of Nano-Needles of Manganese(IV) Oxide by Atomic Layer Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1003-1011.	0.9	75
54	Electronic structure and optical properties of ZnSiO_3 and Zn_2SiO_4 . <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	75

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55	Raman Scattering Properties of a Protonic Titanate $\text{H}_{x/4}\text{Ti}_{2-x/4}\text{O}_4 \cdot \text{H}_{2x/4}\text{O}$ (x , vacancy; $x = 0.7$) with Lepidocrocite-Type Layered Structure. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9400-9405.	2.6	74
56	The high resolution Powder Neutron Diffractometer PUS at the JEEP II reactor at Kjeller in Norway. <i>Journal of Neutron Research</i> , 2000, 8, 215-232.	1.1	72
57	Crystal and Magnetic Structure of the Orthorhombic Perovskite YbMnO_3 . <i>Chemistry of Materials</i> , 2006, 18, 2130-2134.	6.7	70
58	Structural and morphological evolution of MnO_2 nanorods during hydrothermal synthesis. <i>Nanotechnology</i> , 2009, 20, 055610.	2.6	70
59	High hydrogen content complex hydrides: A density-functional study. <i>Applied Physics Letters</i> , 2006, 89, 071906.	3.3	68
60	Watching the Methanol-to-Olefin Process with Time- and Space-Resolved High-Energy Operando X-ray Diffraction. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7956-7959.	13.8	68
61	Structure determination by use of pattern decomposition and the Rietveld method on synchrotron X-ray and neutron powder data; the structures of $\text{Al}_2\text{Y}_4\text{O}_9$ and Ti_2O_4 . <i>Journal of Applied Crystallography</i> , 1987, 20, 123-129.	4.5	67
62	Growth of LaCoO_3 thin films from M^{2-} -diketonate precursors. <i>Applied Surface Science</i> , 1997, 112, 243-250.	6.1	67
63	Structure and Magnetism of $\text{Pr}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Journal of Solid State Chemistry</i> , 1999, 147, 464-477.	2.9	66
64	Atomic Layer Deposition of Spinel Lithium Manganese Oxide by Film-Body-Controlled Lithium Incorporation for Thin-Film Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1258-1268.	3.1	66
65	Atomic layer deposition of organic-inorganic hybrid materials based on saturated linear carboxylic acids. <i>Dalton Transactions</i> , 2011, 40, 4636.	3.3	65
66	Violation of the Minimum H-H Separation "Rule" for Metal Hydrides. <i>Physical Review Letters</i> , 2002, 89, 106403.	7.8	62
67	Structural Properties of Co_3Sn_2 , Ni_3Sn_2 and Some Ternary Derivatives.. <i>Acta Chemica Scandinavica</i> , 1986, 40a, 23-30.	0.7	62
68	Deposition of LaNiO_3 thin films in an atomic layer epitaxy reactor. <i>Journal of Materials Chemistry</i> , 1997, 7, 449-454.	6.7	61
69	On the Crystal Structure of $\text{Ln}_2\text{O}_2\text{CO}_3$ II (Ln=La and Nd). <i>Journal of Solid State Chemistry</i> , 2001, 158, 14-24.	2.9	61
70	Design of Novel Bilayer Compounds of the CPO-8 Type Containing 1D Channels. <i>Inorganic Chemistry</i> , 2006, 45, 2424-2429.	4.0	61
71	UiO-7 : A New Aluminophosphate Phase Solved by Simulated Annealing and High-Resolution Powder Diffraction. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16641-16646.	2.9	60
72	Electronic structure and band parameters for Zn (S , Se , Te). <i>Journal of Crystal Growth</i> , 2006, 287, 162-168.	1.5	60

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73	Uncommon oxygen intake/release capability of layered cobalt oxides, REBaCo ₄ O ₇ + δ : Novel oxygen-storage materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 148, 196-198.	3.5	60
74	Microstructures, Surface Properties, and Topotactic Transitions of Manganite Nanorods. <i>Inorganic Chemistry</i> , 2009, 48, 6242-6250.	4.0	60
75	Precursor-Dependent Blue-Green Photoluminescence Emission of ZnO Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 25227-25233.	3.1	60
76	The iron member of the CPO-27 coordination polymer series: Synthesis, characterization, and intriguing redox properties. <i>Microporous and Mesoporous Materials</i> , 2012, 157, 62-74.	4.4	59
77	Characterization of Ni on La modified Al ₂ O ₃ catalysts during CO ₂ reforming of methane. <i>Applied Catalysis A: General</i> , 1997, 165, 379-390.	4.3	55
78	Growth of calcium carbonate by the atomic layer chemical vapour deposition technique. <i>Thin Solid Films</i> , 2004, 450, 240-247.	1.8	55
79	Chemical pressure and other effects of strontium substitution in YBa ₂ Cu ₃ O ₉ δ . <i>Journal of Solid State Chemistry</i> , 1991, 92, 57-67.	2.9	54
80	Synthesis of Oriented BiFeO ₃ Thin Films by Chemical Solution Deposition: Phase, Texture, and Microstructural Development. <i>Journal of Materials Research</i> , 2005, 20, 2127-2139.	2.6	54
81	Direct observation of catalyst behaviour under real working conditions with X-ray diffraction: Comparing SAPO-18 and SAPO-34 methanol to olefin catalysts. <i>Journal of Catalysis</i> , 2011, 279, 397-402.	6.2	54
82	Atomic layer deposition of ferroelectric LiNbO ₃ . <i>Journal of Materials Chemistry C</i> , 2013, 1, 4283-4290.	5.5	54
83	Chemical Structures of Specific Sodium Ion Battery Components Determined by Operando Pair Distribution Function and X-ray Diffraction Computed Tomography. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11385-11389.	13.8	54
84	Tailor-Made Electronic and Magnetic Properties in One-Dimensional Pure and Y-Substituted Ca ₃ Co ₂ O ₆ . <i>Physical Review Letters</i> , 2003, 91, 186404.	7.8	53
85	Revisiting isorecticular MOFs of alkaline earth metals: a comprehensive study on phase stability, electronic structure, chemical bonding, and optical properties of IRMOF-1 (A = Be, Mg, Ca, Sr, Ba). <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10191.	2.8	53
86	The crystal structure of Cr ₈ O ₂₁ determined from powder diffraction data: Thermal transformation and magnetic properties of a chromium-chromate-tetrachromate. <i>Journal of Solid State Chemistry</i> , 1991, 94, 281-293.	2.9	52
87	Crystal Structure and Magnetic Properties of La ₂ Co ₂ O ₅ . <i>Journal of Solid State Chemistry</i> , 1998, 141, 411-417.	2.9	52
88	A scandium coordination polymer constructed from trimeric octahedral building blocks and 2,5-dihydroxyterephthalate. <i>Dalton Transactions</i> , 2006, , 2055-2057.	3.3	52
89	Unusual Photoluminescence of CaHfO ₃ and SrHfO ₃ Nanoparticles. <i>Advanced Functional Materials</i> , 2012, 22, 1174-1179.	14.9	52
90	High power nano-structured V ₂ O ₅ thin film cathodes by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15044-15051.	10.3	52

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91	Synthesis and characterization of CPO-1; three-dimensional coordination polymers with 2,6-naphthalenedicarboxylate (ndc) ligands [M(ndc)(H ₂ O)], M=Mn(II), Zn(II) or Cd(II). <i>Solid State Sciences</i> , 2002, 4, 443-447.	3.2	51
92	Structural stability of BeH ₂ at high pressures. <i>Applied Physics Letters</i> , 2004, 84, 34-36.	3.3	51
93	Effect of magnetic field on the growth of Fe_2O_3 thin films by atomic layer deposition. <i>Applied Surface Science</i> , 2004, 227, 40-47.	6.1	51
94	Design of Potential Hydrogen-Storage Materials Using First-Principle Density-Functional Calculations. <i>Crystal Growth and Design</i> , 2004, 4, 471-477.	3.0	51
95	Thin films of In ₂ O ₃ by atomic layer deposition using In(acac) ₃ . <i>Thin Solid Films</i> , 2009, 517, 6320-6322.	1.8	51
96	Synthesis, structure and magnetic properties of nanocrystalline YMnO ₃ . <i>Dalton Transactions</i> , 2011, 40, 7583.	3.3	51
97	Combination of characterization techniques for atomic layer deposition MoO ₃ coatings: From the amorphous to the orthorhombic MoO_3 crystalline phase. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, .	2.1	51
98	Atomic layer deposition of functional films for Li-ion microbatteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 357-367.	1.8	51
99	Functional Perovskites by Atomic Layer Deposition – An Overview. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600903.	3.7	51
100	Monoclinic nearly stoichiometric $\text{Ca}_{1/4}\text{Fe}_3\text{O}_{10}$ stite at low temperatures. <i>American Mineralogist</i> , 2002, 87, 347-349.	1.9	50
101	Growth of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ thin films by atomic layer deposition. <i>Journal of Materials Chemistry</i> , 2007, 17, 1466-1475.	6.7	50
102	Epitaxial growth of cobalt oxide by atomic layer deposition. <i>Journal of Crystal Growth</i> , 2007, 307, 457-465.	1.5	50
103	First-principles investigations of the MMgH_3 (M, Na, K, Rb, Cs) series. <i>Journal of Alloys and Compounds</i> , 2008, 450, 327-337.	5.5	50
104	Synthesis, Crystal Structure, and Thermal Properties of the First Mixed-Metal and Anion-Substituted Rare Earth Borohydride $\text{LiCe}(\text{BH}_4)_3\text{Cl}$. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23591-23602.	3.1	50
105	The crystal structure of KAlD_4 . <i>Journal of Alloys and Compounds</i> , 2005, 394, 35-38.	5.5	49
106	High-performing iron phosphate for enhanced lithium ion solid state batteries as grown by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9054-9059.	10.3	49
107	Atomic layer deposition of Li_xTiyO_z thin films. <i>RSC Advances</i> , 2013, 3, 7537-7542.	3.6	49
108	In situ XRD characterization of LaNiAlO model catalysts for CO ₂ reforming of methane. <i>Applied Catalysis A: General</i> , 1996, 145, 375-388.	4.3	48

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109	Crystal structure, thermal and magnetic properties of $\text{La}_3\text{Co}_3\text{O}_8$. Phase relations for LaCoO_3 (0.00 to 0.50) at 673 K. <i>Journal of Materials Chemistry</i> , 1998, 8, 2081-2088.	6.7	48
110	Delamination, synthesis, crystal structure and thermal properties of the layered metal-organic compound $\text{Zn}(\text{C}_{12}\text{H}_{14}\text{O}_4)$. <i>Journal of Materials Chemistry</i> , 2008, 18, 1002.	6.7	48
111	Re-examination of the Crystal Structure of ZrTe_3 . <i>Acta Chemica Scandinavica</i> , 1991, 45, 694-697.	0.7	48
112	On the magnetic and structural properties of the $\text{MnAs}_{1-x}\text{Px}$ system ($x = 0.18$). <i>Journal of Magnetism and Magnetic Materials</i> , 1984, 46, 29-39.	2.3	47
113	Short hydrogen-hydrogen separation in $\text{RNiInH}_{1.333}$ ($R = \text{La, Ce, Nd}$). <i>Physical Review B</i> , 2003, 67, .	3.2	47
114	Analytical model for island growth in atomic layer deposition using geometrical principles. <i>Journal of Applied Physics</i> , 2007, 102, 024906.	2.5	47
115	Magnetic Instability Induced Giant Magnetoelectric Coupling. <i>Advanced Materials</i> , 2008, 20, 1353-1356.	21.0	47
116	Thin Films of Cobalt Oxide Deposited on High Aspect Ratio Supports by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2011, 17, 135-140.	1.3	47
117	Effect of substrate on the characteristics of manganese(IV) oxide thin films prepared by atomic layer deposition. <i>Thin Solid Films</i> , 2004, 468, 65-74.	1.8	46
118	Structure, Water Uptake, and Electrical Conductivity of TiP_2O_7 . <i>Journal of the American Ceramic Society</i> , 2011, 94, 1514-1522.	3.8	46
119	Crystal structure and phase relations for Mn_3Sn_2 and non-stoichiometric Mn_{2-x}Sn . <i>Journal of Alloys and Compounds</i> , 1997, 259, 140-144.	5.5	45
120	Crystal structure of KAlH_4 from first principle calculations. <i>Journal of Alloys and Compounds</i> , 2004, 363, L8-L12.	5.5	44
121	Defect Chemistry of a Zinc-Doped Lepidocrocite Titanate $\text{Cs}_x\text{Ti}_{2-x}/2\text{Zn}_x/2\text{O}_4$ ($x = 0.7$) and its Protonic Form. <i>Chemistry of Materials</i> , 2009, 21, 3503-3513.	6.7	44
122	Bismuth Vanadate and Molybdate: Stable Alloying Anodes for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2017, 29, 2803-2810.	6.7	44
123	Coordination Polymers Based on the 2,5-Dihydroxyterephthalate Ion and Alkaline Earth Metal (Ca, Sr) and Manganese Cations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 1953-1958.	1.2	42
124	Atomic layer deposition of lithium nitride and carbonate using lithium silylamide. <i>RSC Advances</i> , 2012, 2, 6315.	3.6	42
125	Hydrogen storage properties of $\text{Mg}(\text{BH}_4)_2$ modified by MoO_3 and TiO_2 . <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12286-12293.	7.1	42
126	Structure and Magnetism of $\text{Pr}_{1-x}\text{Sr}_x\text{FeO}_3$. <i>Journal of Solid State Chemistry</i> , 2000, 150, 233-249.	2.9	41

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127	Electrical properties of $\text{Al}_2\text{O}_3/\text{SiC}$ structures grown by atomic layer chemical vapor deposition. <i>Journal of Applied Physics</i> , 2007, 102, 054513.	2.5	41
128	Topological Properties of Titanate Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8548-8552.	3.1	41
129	Hexagonal LaNiSnD_2 with a filled ZrBeSi-type structure. <i>Journal of Alloys and Compounds</i> , 2002, 330-332, 141-145.	5.5	40
130	Structural stability and electronic structure for Li_3AlH_6 . <i>Physical Review B</i> , 2004, 69, .	3.2	40
131	Theoretical investigations on low energy surfaces and nanowires of MgH_2 . <i>Nanotechnology</i> , 2008, 19, 275704.	2.6	40
132	The adsorption of methanol and water on SAPO-34: in situ and ex situ X-ray diffraction studies. <i>Microporous and Mesoporous Materials</i> , 2010, 134, 210-215.	4.4	40
133	In Situ Flow MAS NMR Spectroscopy and Synchrotron PDF Analyses of the Local Response of the Brønsted Acidic Site in SAPO-34 during Hydration at Elevated Temperatures. <i>ChemPhysChem</i> , 2018, 19, 519-528.	2.1	40
134	Neutron powder diffraction study of crystal and magnetic structures of orthorhombic LuMnO_3 . <i>Solid State Communications</i> , 2008, 146, 152-156.	1.9	39
135	Thin film deposition of lanthanum manganite perovskite by the ALE process. <i>Journal of Materials Chemistry</i> , 1999, 9, 1781-1784.	6.7	38
136	Crystal Structure and Properties of $\text{Nd}_4\text{Co}_3\text{O}_{10}$ and $\text{Nd}_4\text{Ni}_3\text{O}_{10}$. <i>Journal of Solid State Chemistry</i> , 2000, 151, 46-55.	2.9	38
137	Layered aluminophosphates II. Crystal structure and thermal behaviour of the layered aluminophosphate UiO-15 and its high temperature variants. <i>Journal of Materials Chemistry</i> , 1999, 9, 1591-1598.	6.7	37
138	Nanoporous Intergrowths: How Crystal Growth Dictates Phase Composition and Hierarchical Structure in the CHA/AEI System. <i>Chemistry of Materials</i> , 2015, 27, 4205-4215.	6.7	37
139	Synthesis, structure and thermal stability of tellurium oxides and oxide sulfate formed from reactions in refluxing sulfuric acid. <i>Dalton Transactions RSC</i> , 2000, , 4542-4549.	2.3	36
140	Identification of superconducting phases in the Ba-Ca-Cu-O system: an unstable phase with $T_c \approx 126$ K and its derivative with $T_c \approx 90$ K. <i>Journal of Materials Chemistry</i> , 1999, 9, 1141-1148.	6.7	35
141	Magnetic properties of Ca-doped SrRuO_3 from full-potential calculations. <i>Journal of Solid State Chemistry</i> , 2004, 177, 146-158.	2.9	35
142	Intergrowth structure modelling in silicoaluminophosphate SAPO-18/34 family. <i>Microporous and Mesoporous Materials</i> , 2014, 195, 311-318.	4.4	35
143	Lithium ionic conduction in composites of $\text{Li}(\text{BH}_4)_{0.75}\text{I}_{0.25}$ and amorphous $0.75\text{Li}_2\text{S} \cdot 0.25\text{P}_2\text{S}_5$ for battery applications. <i>Electrochimica Acta</i> , 2018, 278, 332-339.	5.2	35
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