

H Fjellvåg

List of Publications by Year in descending order

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all docs

527
docs citations

527
times ranked

19148
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando XRD studies on Bi ₂ Mo ₆ as anode material for Na-ion batteries. Nanotechnology, 2022, 33, 185402.	1.3	9
2	First-Principles Exploration into the Physical and Chemical Properties of Certain Newly Identified SnO ₂ Polymorphs. ACS Omega, 2022, 7, 10382-10393.	1.6	13
3	Antifluorite-type Na ₅ FeO ₄ as a low-cost, environment-friendly cathode with combined cationic/anionic redox activity for sodium ion batteries: a first-principles investigation. RSC Advances, 2022, 12, 17410-17421.	1.7	3
4	Variability in the Formation and Framework Polymorphism of Metal-Organic Frameworks based on Yttrium(III) and the Bifunctional Organic Linker 2,5-Dihydroxyterephthalic Acid. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 15-25.	0.6	1
5	Efficient Exfoliation of Layered Double Hydroxides; Effect of Cationic Ratio, Hydration State, Anions and Their Orientations. Materials, 2021, 14, 346.	1.3	12
6	Near-Broken-Gap Alignment between FeWO ₄ and Fe ₂ WO ₆ for Ohmic Direct p-n Junction Thermoelectrics. ACS Applied Materials & Interfaces, 2021, 13, 7416-7422.	4.0	11
7	Understanding the (De)Sodiation Mechanisms in Na-Based Batteries through Operando X-Ray Methods. Batteries and Supercaps, 2021, 4, 1039-1063.	2.4	18
8	Total Scattering Study of Local Structural Changes in MnAs _{1-x} P _x Influenced by Magnetic Interactions. Chemistry of Materials, 2021, 33, 2576-2584.	3.2	1
9	Tuning the Magnetically Segregated Nanolayering in Mn-Ni-As Intermetallics. Chemistry of Materials, 2021, 33, 3002-3010.	3.2	0
10	Effect of Electron Doping on the Crystal Structure and Physical Properties of an $n = 3$ Ruddlesden-Popper Compound La ₄ Ni ₃ O ₁₀ . ACS Applied Electronic Materials, 2021, 3, 2671-2684.	2.0	1
11	Jahn-Teller active fluoroperovskites ACrF ₃ (A=Na ⁺ ,K ⁺): Magnetic and thermo-optical properties. Physical Review Materials, 2021, 5, .	0.9	1
12	Understanding the (De)Sodiation Mechanisms in Na-Based Batteries through Operando X-Ray Methods. Batteries and Supercaps, 2021, 4, 1035-1035.	2.4	1
13	Effect of Subcycle Arrangement on Direct Epitaxy in ALD of LaNiO ₃ . ACS Applied Electronic Materials, 2021, 3, 292-298.	2.0	4
14	Physical properties of Ruddlesden-Popper ($n=3$) nickelate: La ₄ Ni ₃ O ₁₀ . Journal of Magnetism and Magnetic Materials, 2020, 496, 165915.	1.0	19
15	Phase and Orientation Control of NiTiO ₃ Thin Films. Materials, 2020, 13, 112.	1.3	4
16	Synthesis and Evaluation of K-Promoted Co _{3-x} Mg _x Al-Oxides as Solid CO ₂ Sorbents in the Sorption-Enhanced Water-Gas Shift (SEWGS) Reaction. Industrial & Engineering Chemistry Research, 2020, 59, 17837-17844.	1.8	5
17	Defects and polaronic electron transport in Fe ₂ WO ₆ . Physical Chemistry Chemical Physics, 2020, 22, 15541-15548.	1.3	5
18	<i>tert</i> -butoxides as precursors for atomic layer deposition of alkali metal containing thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	15

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19	Exotic Compositional Ordering in Manganese–Nickel–Arsenic (Mn–Ni–As) Intermetallics. <i>Angewandte Chemie</i> , 2020, 132, 22568-22573.	1.6	0
20	Exotic Compositional Ordering in Manganese–Nickel–Arsenic (Mn–Ni–As) Intermetallics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22382-22387.	7.2	2
21	Tuning electronic properties in LaNiO_3 thin films by B-site Cu-substitution. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12662-12668.	2.7	6
22	Effect of Larger Pore Size on the Sorption Properties of Isoreticular Metal–Organic Frameworks with High Number of Open Metal Sites. <i>Chemistry - A European Journal</i> , 2020, 26, 13523-13531.	1.7	8
23	Insights into Crystal Structure and Diffusion of Biphasic $\text{Na}_2\text{Zn}_2\text{TeO}_6$. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28188-28198.	4.0	14
24	Coupling of magnetoresistance switching and glassy magnetic state at the metal–insulator transition in Ruddlesden-Popper manganite $\text{Ca}_4\text{Mn}_3\text{O}_{10}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 511, 166949.	1.0	5
25	A foundation for complex oxide electronics -low temperature perovskite epitaxy. <i>Nature Communications</i> , 2020, 11, 2872.	5.8	24
26	One-pot synthesis of cobalt–rhenium nanoparticles taking the unusual $\hat{\Gamma}^2$ -Mn type structure. <i>Nanoscale Advances</i> , 2020, 2, 1850-1853.	2.2	5
27	Factors Determining Microporous Material Stability in Water: The Curious Case of SAPO-37. <i>Chemistry of Materials</i> , 2020, 32, 1495-1505.	3.2	15
28	Atomic Layer Deposition of GdCoO_3 and $\text{Gd}_{0.9}\text{Ca}_{0.1}\text{CoO}_3$. <i>Materials</i> , 2020, 13, 24.	1.3	6
29	Crystallization, Phase Stability, and Electrochemical Performance of $\hat{\Gamma}^2$ - MoO_3 Thin Films. <i>Crystal Growth and Design</i> , 2020, 20, 3861-3866.	1.4	19
30	Structural and magnetic characterization of the elusive Jahn-Teller active NaCrF_3 . <i>Physical Review Materials</i> , 2020, 4, .	1.0	5
31	Canted antiferromagnetism in high-purity NaFeF_3 prepared by a novel wet-chemical synthesis method. <i>Physical Review Materials</i> , 2020, 4, .	1.0	5
32	Direct observation of reversible conversion and alloying reactions in a $\text{Bi}_2(\text{MoO}_4)_3$ -based lithium-ion battery anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17906-17913.	5.2	9
33	Giant Magnetoelectric Coupling in Multiferroic $\text{PbTi}_2\text{V}_2\text{O}_{10}$ from Density Functional Calculations. <i>ACS Omega</i> , 2019, 4, 16743-16755.	1.6	1
34	Zinc substituted MgH_2 - a potential material for hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 13632-13646.	3.8	5
35	Amphoteric behavior of hydrogen (H^{+1} and $\text{H}^{\sim 1}$) in complex hydrides from van der Waals interaction-including <i>ab initio</i> calculations. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6228-6240.	5.2	7
36	Development of custom made bimetallic alloy model systems based on platinum – rhodium for heterogeneous catalysis. <i>Journal of Alloys and Compounds</i> , 2019, 786, 1021-1029.	2.8	2

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37	Nonhexagonal Na Sublattice Reconstruction in the Super-Ionic Conductor Na ₂ Zn ₂ TeO ₆ : Insights from Ab Initio Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4654-4663.	1.5	9
38	P2 Type Layered Solid-State Electrolyte Na ₂ Zn ₂ TeO ₆ : Crystal Structure and Stacking Faults. <i>Journal of the Electrochemical Society</i> , 2019, 166, A3830-A3837.	1.3	10
39	Characterization and evaluation of synthetic Dawsonites as CO ₂ sorbents. <i>Fuel</i> , 2019, 236, 747-754.	3.4	9
40	Controlled alloying of Pt-Rh nanoparticles by the polyol approach. <i>Journal of Alloys and Compounds</i> , 2019, 779, 879-885.	2.8	5
41	Control of growth orientation in as-deposited epitaxial iron-rich nickel ferrite spinel. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 021502.	0.9	7
42	First-Principles Study of the Structural Stability and Dynamic Properties of Li ₂ MSiO ₄ (M = Mn, Co, Ni) Polymorphs. <i>Energies</i> , 2019, 12, 224.	1.6	7
43	Comparative phase transformation and magnetocaloric effect study of Co and Mn substitution by Cu in MnCoGe compounds. <i>Journal of Alloys and Compounds</i> , 2019, 775, 22-29.	2.8	28
44	Reversibility of metal-hydride anodes in all-solid-state lithium secondary battery operating at room temperature. <i>Solid State Ionics</i> , 2018, 317, 263-267.	1.3	21
45	Structural Arrangement in Close-Packed Cobalt Polytypes. <i>Crystal Growth and Design</i> , 2018, 18, 2316-2325.	1.4	18
46	Understanding Capacity Fading of MgH ₂ Conversion-Type Anodes via Structural Morphology Changes and Electrochemical Impedance. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8750-8759.	1.5	12
47	Phase Control in Thin Films of Layered Cuprates. <i>Chemistry of Materials</i> , 2018, 30, 1095-1101.	3.2	13
48	Search for potential precursors for Si-atomic layer deposition "A quantum chemical study. <i>Materials Letters</i> , 2018, 216, 189-192.	1.3	4
49	A first-principle investigation of the Li diffusion mechanism in the super-ionic conductor lithium orthothioborate Li ₃ BS ₃ structure. <i>Materials Letters</i> , 2018, 219, 186-189.	1.3	9
50	A first principle comparative study of the ionic diffusivity in LiAlO ₂ and NaAlO ₂ polymorphs for solid-state battery applications. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9824-9832.	1.3	16
51	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.	1.0	40
52	<i>In situ</i> synchrotron X-ray diffraction of thin films under perturbation by an electric field. <i>Ferroelectrics</i> , 2018, 537, 20-26.	0.3	2
53	<i>Operando</i> investigations of lithiation and delithiation processes in a BiVO ₄ anode material. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29798-29803.	1.3	15
54	Roadmap for Modeling RhPt/Pt(111) Catalytic Surfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26430-26437.	1.5	4

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55	MgH ₂ •CoO: a conversion-type composite electrode for LiBH ₄ -based all-solid-state lithium ion batteries. RSC Advances, 2018, 8, 23468-23474.	1.7	24
56	First complex oxide superconductor by atomic layer deposition. Chemical Communications, 2018, 54, 8253-8256.	2.2	4
57	Lithium ionic conduction in composites of Li(BH ₄) _{0.75} I _{0.25} and amorphous 0.75Li ₂ S•0.25P ₂ S ₅ for battery applications. Electrochimica Acta, 2018, 278, 332-339.	2.6	35
58	A first-principle study of NaMPO ₄ (M = Mn, Fe, Co, Ni) possible novel structures as cathode materials for sodium-ion batteries: Structural and electrochemical characterisation. Materials Chemistry and Physics, 2018, 219, 212-221.	2.0	14
59	Functional Perovskites by Atomic Layer Deposition – An Overview. Advanced Materials Interfaces, 2017, 4, 1600903.	1.9	51
60	Enhanced process and composition control for atomic layer deposition with lithium trimethylsilylanolate. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	0.9	11
61	SAPO-37 microporous catalysts: revealing the structural transformations during template removal. Journal of Lithic Studies, 2017, 3, 79-88.	0.1	5
62	Luminescent properties of europium titanium phosphate thin films deposited by atomic layer deposition. RSC Advances, 2017, 7, 8051-8059.	1.7	12
63	Luminescent YbVO ₄ by atomic layer deposition. Dalton Transactions, 2017, 46, 3008-3013.	1.6	10
64	Temperature induced transitions in La ₄ (Co ^{1-x} Ni ^x) ₃ O ₁₀ +δ; oxygen stoichiometry and mobility. Solid State Ionics, 2017, 305, 7-15.	1.3	10
65	First-principles study of the structural stability and electrochemical properties of Na ₂ MSiO ₄ (M = Mn, Fe, Co and Ni) polymorphs. Physical Chemistry Chemical Physics, 2017, 19, 14462-14470.	1.3	31
66	Triclinic crystal structure distortion of multiferroic BiMn ₇ O ₁₂ . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 313-320.	0.5	11
67	Bismuth Vanadate and Molybdate: Stable Alloying Anodes for Sodium-Ion Batteries. Chemistry of Materials, 2017, 29, 2803-2810.	3.2	44
68	First-principles study of structural stability, dynamical and mechanical properties of Li ₂ FeSiO ₄ polymorphs. RSC Advances, 2017, 7, 16843-16853.	1.7	32
69	From Colloidal Monodisperse Nickel Nanoparticles to Well-Defined Ni/Al ₂ O ₃ Model Catalysts. Langmuir, 2017, 33, 9836-9843.	1.6	19
70	Colossal positive magneto-resistance in oxygen deficient Ca ₄ Mn ₃ O ₁₀ . , 2017, , .		0
71	Thermogravimetric Analysis – A Viable Method for Screening Novel Materials for the Sorbent Enhanced Water-gas Shift Process. Energy Procedia, 2017, 114, 2294-2303.	1.8	3
72	Ab initio structure solution and thermal stability evaluation of a new Ca(^{scpi}) ₃ 3D coordination polymer using synchrotron powder X-ray diffraction data. CrystEngComm, 2017, 19, 5857-5863.	1.3	1

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73	Engineering Functions into Platinum and Platinum-Rhodium Nanoparticles in a One-Step Microwave Irradiation Synthesis. <i>ChemistryOpen</i> , 2017, 6, 273-281.	0.9	6
74	Intense NIR emission in $\text{YVO}_4:\text{Yb}^{3+}$ thin films by atomic layer deposition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8572-8578.	2.7	14
75	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.	7.2	54
76	Chemical Structures of Specific Sodium Ion Battery Components Determined by Operando Pair Distribution Function and X-ray Diffraction Computed Tomography. <i>Angewandte Chemie</i> , 2017, 129, 11543-11547.	1.6	5
77	Colossal Positive Magnetoresistance in Oxygen-Deficient $\text{Ca}_4\text{Mn}_3\text{O}_{10}$. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	0
78	Stacking Faults and Polytypes for Layered Double Hydroxides: What Can We Learn from Simulated and Experimental X-ray Powder Diffraction Data?. <i>Inorganic Chemistry</i> , 2016, 55, 12881-12889.	1.9	22
79	Atomic layer deposition of $(\text{K},\text{Na})(\text{Nb},\text{Ta})\text{O}_3$ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	27
80	Luminescence properties of lanthanide and ytterbium lanthanide titanate thin films grown by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	11
81	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.	3.2	113
82	Quantification and key factors in delamination of $(\text{Mg}_{1-x}\text{Ni}_x)_2\text{Al}_x(\text{OH})_2(\text{NO}_3)_x \cdot n\text{H}_2\text{O}$. <i>Applied Clay Science</i> , 2016, 124-125, 102-110.	2.6	6
83	Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications. <i>Materials Research Express</i> , 2016, 3, 055010.	0.8	5
84	Theoretical and experimental investigation on structural, electronic and magnetic properties of layered Mn_5O_8 . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27885-27896.	1.3	14
85	In situ synchrotron study of ordered and disordered $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ as lithium ion battery positive electrode. <i>Acta Materialia</i> , 2016, 116, 290-297.	3.8	17
86	Two new Cu(ii) and La(iii) 2D coordination polymers, synthesis and in situ structural analysis by X-ray diffraction. <i>Dalton Transactions</i> , 2016, 45, 12827-12834.	1.6	1
87	Electrical characterization of amorphous LiAlO_2 thin films deposited by atomic layer deposition. <i>RSC Advances</i> , 2016, 6, 60479-60486.	1.7	34
88	Crystal Structure of $\text{LaSr}_3\text{Fe}_3\text{O}_8(\text{OH})_2 \cdot x\text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2016, 55, 7630-7636.	1.9	10
89	Electronic and Magnetic Structures of Hole Doped Trilayer $\text{La}_4\text{Sr}_x\text{Ni}_{3-x}\text{O}_8$ from First-Principles Calculations. <i>Inorganic Chemistry</i> , 2016, 55, 11898-11907.	1.9	9
90	Versatile electrochemical cell for Li/Na-ion batteries and high-throughput setup for combined operando X-ray diffraction and absorption spectroscopy. <i>Journal of Applied Crystallography</i> , 2016, 49, 1972-1981.	1.9	33

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91	Aluminium substituted lanthanum based perovskite type oxides, non-stoichiometry and performance in methane partial oxidation by framework oxygen. Applied Catalysis A: General, 2016, 523, 171-181.	2.2	11
92	Burst nucleation by hot injection for size controlled synthesis of μ -cobalt nanoparticles. Chemistry Central Journal, 2016, 10, 10.	2.6	16
93	Structural changes in SAPO-34 due to hydrothermal treatment. A NMR, XRD, and DRIFTS study. Microporous and Mesoporous Materials, 2016, 225, 421-431.	2.2	28
94	A novel polytype α the stacking fault based $\text{I}^3\text{-MoO}_3$ nanobelts. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 201-208.	0.5	5
95	Ultra-high power capabilities in amorphous FePO_4 thin films. Journal of Power Sources, 2016, 306, 454-458.	4.0	13
96	Neutron diffraction and Raman analysis of $\text{LiMn}_{1.5}\text{Ni}_{0.5}\text{O}_4$ spinel type oxides for use as lithium ion battery cathode and their capacity enhancements. Solid State Ionics, 2016, 284, 28-36.	1.3	21
97	Two New Series of Coordination Polymers and Evaluation of Their Properties by Density Functional Theory. Crystal Growth and Design, 2016, 16, 339-346.	1.4	6
98	Crystal structure of dimethyl 4,4'-dimethoxybiphenyl-3,3'-dicarboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 328-330.	0.2	2
99	Atomic Layer Deposited Hybrid Organic-Inorganic Aluminates as Potential Low-k Dielectric Materials. Materials Research Society Symposia Proceedings, 2015, 1791, 15-20.	0.1	2
100	Crystal structures of aluminum-based hydrides. Emerging Materials Research, 2015, 4, 192-217.	0.4	13
101	On the Thermal Stability and Structures of Layered Double Hydroxides $\text{Mg}_{1-x}\text{Al}_x(\text{OH})_2(\text{NO}_3)_x \cdot n\text{H}_2\text{O}$ (0.18 $\leq x \leq$ 0.38). European Journal of Inorganic Chemistry, 2015, 2015, 1775-1788.	2.4	24
102	Nanoporous Intergrowths: How Crystal Growth Dictates Phase Composition and Hierarchical Structure in the CHA/AEI System. Chemistry of Materials, 2015, 27, 4205-4215.	3.2	37
103	Thickness dependent structural, optical and electrical properties of Ti-doped ZnO films prepared by atomic layer deposition. Applied Surface Science, 2015, 332, 494-499.	3.1	15
104	Observation of direct magneto-dielectric behaviour in $\text{Lu}_3\text{Fe}_5\text{O}_{12}$ above room-temperature. Physical Chemistry Chemical Physics, 2015, 17, 17688-17698.	1.3	13
105	Structural and magnetic aspects of $\text{La}_4(\text{Co}_{1-x}\text{Ni}_x)_3\text{O}_{10+x}$		
106	Supported Nickel Based Catalysts, Ni/Mg(Al)O, for Natural Gas Conversion, Prepared via Delamination and Restacking of MgAl- and NiAl-Nanosheets. Topics in Catalysis, 2015, 58, 877-886.	1.3	5
107	Freeze-dried Li_xMoO_3 nanobelts used as cathode materials for lithium-ion batteries: A bulk and interface study. Journal of Power Sources, 2015, 297, 276-282.	4.0	8
108	Hydrogen storage properties of $\text{I}^3\text{-Mg}(\text{BH}_4)_2$ modified by MoO_3 and TiO_2 . International Journal of Hydrogen Energy, 2015, 40, 12286-12293.	3.8	42

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109	Investigation of Li ⁺ insertion in columbite structured FeNb ₂ O ₆ and rutile structured CrNb ₂ O ₆ materials. <i>Electrochimica Acta</i> , 2015, 153, 232-237.	2.6	9
110	Structural and electronic properties of transparent conducting delafossite: a comparison between the AgBO ₂ and CuBO ₂ families (B ^A = Al, Ga, In and Sc, Y). <i>RSC Advances</i> , 2015, 5, 1366-1377.	1.7	32
111	Atomic layer deposited lithium aluminum oxide: (In)dependency of film properties from pulsing sequence. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	17
112	Thermal stability of photovoltaic a-Si:H determined by neutron reflectometry. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	5
113	Atomic layer deposition of sodium and potassium oxides: evaluation of precursors and deposition of thin films. <i>Dalton Transactions</i> , 2014, 43, 16666-16672.	1.6	30
114	Guidance of growth mode and structural character in organic-inorganic hybrid materials – a comparative study. <i>Dalton Transactions</i> , 2014, 43, 3492-3500.	1.6	20
115	Luminescent Properties of Multilayered Eu ₂ O ₃ and TiO ₂ Grown by Atomic Layer Deposition**. <i>Chemical Vapor Deposition</i> , 2014, 20, 274-281.	1.4	13
116	ALD Applied to Conformal Rare-Earth Coating of ZnO Nanoparticles for Low Temperature Thermal Imaging Applications. <i>ECS Transactions</i> , 2014, 64, 23-31.	0.3	2
117	Dimethyl 3,3'-dimethoxybiphenyl-4,4'-dicarboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o449-o449.	0.2	1
118	Methyl 5-iodo-2-methoxybenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o462-o462.	0.2	0
119	4,4'-Dimethoxybiphenyl-3,3'-dicarboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o615-o615.	0.2	2
120	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.	1.5	66
121	Deposition and x-ray characterization of epitaxial thin films of LaAlO ₃ . <i>Thin Solid Films</i> , 2014, 550, 90-94.	0.8	9
122	Revised electronic structure, Raman and IR studies of AB ₂ H ₂ and ABCH (A = Sr, Ba; B = Al, Ga; C = Si, Ge) phases. <i>RSC Advances</i> , 2014, 4, 22-31.	1.7	2
123	Complex Magnetic Behavior in the PrSr ₃ (Fe _{1-x} Co _x) ₃ O ₁₀ n = 3 Ruddlesden-Popper-Type Solid Solution with High Valent Cobalt and Iron. <i>Chemistry of Materials</i> , 2014, 26, 886-897.	3.2	11
124	Atomic layer deposition of functional films for Li-ion microbatteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 357-367.	0.8	51
125	Atomic Layer Deposition of LaPO ₄ and Ca:LaPO ₄ **. <i>Chemical Vapor Deposition</i> , 2014, 20, 269-273.	1.4	15
126	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.	5.2	52

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127	Thin film fabrication and characterization of proton conducting lanthanum tungstate. Journal of Materials Chemistry A, 2014, 2, 18463-18471.	5.2	10
128	Luminescence properties of europium titanate thin films grown by atomic layer deposition. RSC Advances, 2014, 4, 11876-11883.	1.7	11
129	Structural, electrical and optical characterization of Ti-doped ZnO films grown by atomic layer deposition. Journal of Alloys and Compounds, 2014, 616, 618-624.	2.8	29
130	Intergrowth structure modelling in silicoaluminophosphate SAPO-18/34 family. Microporous and Mesoporous Materials, 2014, 195, 311-318.	2.2	35
131	Atomic Layer Deposition of oriented nickel titanate (NiTiO ₃). Applied Surface Science, 2014, 311, 478-483.	3.1	11
132	Synthesis and Properties of Ethyl, Propyl, and Butyl Hexa-alkyldisilanes and Tetrakis(tri-alkylsilyl)silanes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2956-2961.	0.6	2
133	Structural and optical properties of lanthanide oxides grown by atomic layer deposition (Ln = Pr, Nd). Tj ETQq1 1 0.784314 rgBT /Ove 1.6 34	1.6	34
134	High-performing iron phosphate for enhanced lithium ion solid state batteries as grown by atomic layer deposition. Journal of Materials Chemistry A, 2013, 1, 9054-9059.	5.2	49
135	Structure and Polymorphism of M_3O_4 ($M = Al, Cr, Mn, Fe, Co, Ga, \text{ and } In$). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 770-778.	0.6	7
136	Atomic layer deposition of $Li_xTi_yO_z$ thin films. RSC Advances, 2013, 3, 7537-7542.	1.7	49
137	Structural and spectroscopic characterization of potassium fluoroborohydrides. Physical Chemistry Chemical Physics, 2013, 15, 11226.	1.3	18
138	Combined XRD and Raman studies of coke types found in SAPO-34 after methanol and propene conversion. Microporous and Mesoporous Materials, 2013, 173, 166-174.	2.2	20
139	Atomic layer deposition of ferroelectric $LiNbO_3$. Journal of Materials Chemistry C, 2013, 1, 4283-4290.	2.7	54
140	On the application of a single-crystal θ -diffractometer and a CCD area detector for studies of thin films. Journal of Synchrotron Radiation, 2013, 20, 644-647.	1.0	5
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