

H Fjellvg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

515
papers

16,644
citations

59
h-index

104
g-index

527
ext. papers

17,819
ext. citations

4.4
avg, IF

6.6
L-index

#	Paper	IF	Citations
515	First-Principles Exploration into the Physical and Chemical Properties of Certain Newly Identified SnO Polymorphs.. <i>ACS Omega</i> , 2022 , 7, 10382-10393	3.9	2
514	Effect of Subcycle Arrangement on Direct Epitaxy in ALD of LaNiO ₃ . <i>ACS Applied Electronic Materials</i> , 2021 , 3, 292-298	4	0
513	Total Scattering Study of Local Structural Changes in MnAs _{1-x} P _x Influenced by Magnetic Interactions. <i>Chemistry of Materials</i> , 2021 , 33, 2576-2584	9.6	0
512	Tuning the Magnetically Segregated Nanolayering in MnNiAs Intermetallics. <i>Chemistry of Materials</i> , 2021 , 33, 3002-3010	9.6	
511	Effect of Electron Doping on the Crystal Structure and Physical Properties of an n = 3 Ruddlesden-Popper Compound La ₄ Ni ₃ O ₁₀ . <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2671-2684	4	
510	Jahn-Teller active fluoroperovskites ACrF ₃ (A=Na ⁺ ,K ⁺): Magnetic and thermo-optical properties. <i>Physical Review Materials</i> , 2021 , 5,	3.2	1
509	Understanding the (De)Sodiation Mechanisms in Na-Based Batteries through Operando X-ray Methods. <i>Batteries and Supercaps</i> , 2021 , 4, 1035-1035	5.6	1
508	Variability in the Formation and Framework Polymorphism of Metal-organic Frameworks based on Yttrium(III) and the Bifunctional Organic Linker 2,5-Dihydroxyterephthalic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 15-25	1.3	1
507	Efficient Exfoliation of Layered Double Hydroxides; Effect of Cationic Ratio, Hydration State, Anions and Their Orientations. <i>Materials</i> , 2021 , 14,	3.5	4
506	Near-Broken-Gap Alignment between FeWO ₄ and FeWO ₃ for Ohmic Direct p-n Junction Thermoelectrics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7416-7422	9.5	3
505	Understanding the (De)Sodiation Mechanisms in Na-Based Batteries through Operando X-Ray Methods. <i>Batteries and Supercaps</i> , 2021 , 4, 1039-1063	5.6	3
504	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	4.8	4
503	Insights into Crystal Structure and Diffusion of Biphasic NaZnTeO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28188-28198	9.5	6
502	Coupling of magnetoresistance switching and glassy magnetic state at the metal-insulator transition in Ruddlesden-Popper manganite Ca ₄ Mn ₃ O ₁₀ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 511, 166949	2.8	2
501	A foundation for complex oxide electronics -low temperature perovskite epitaxy. <i>Nature Communications</i> , 2020 , 11, 2872	17.4	15
500	One-pot synthesis of cobalt-nickel nanoparticles taking the unusual FM type structure. <i>Nanoscale Advances</i> , 2020 , 2, 1850-1853	5.1	4
499	Factors Determining Microporous Material Stability in Water: The Curious Case of SAPO-37. <i>Chemistry of Materials</i> , 2020 , 32, 1495-1505	9.6	8

498	Crystallization, Phase Stability, and Electrochemical Performance of FeMoO_3 Thin Films. <i>Crystal Growth and Design</i> , 2020 , 20, 3861-3866	3.5	7
497	Structural and magnetic characterization of the elusive Jahn-Teller active NaCrF_3 . <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
496	Synthesis and Evaluation of K-Promoted $\text{Co}_{3-x}\text{Mg}_x\text{Al}$ -Oxides as Solid CO_2 Sorbents in the Sorption-Enhanced Water-Gas Shift (SEWGS) Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 17837-17844	3.9	1
495	Defects and polaronic electron transport in FeWO_4 . <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 15541-15548	3.5	2
494	tert-butoxides as precursors for atomic layer deposition of alkali metal containing thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 060804	2.9	7
493	Exotic Compositional Ordering in Manganese-Nickel-Arsenic (Mn-Ni-As) Intermetallics. <i>Angewandte Chemie</i> , 2020 , 132, 22568-22573	3.6	
492	Exotic Compositional Ordering in Manganese-Nickel-Arsenic (Mn-Ni-As) Intermetallics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22382-22387	16.4	2
491	Tuning electronic properties in LaNiO_3 thin films by B-site Cu-substitution. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12662-12668	7.1	4
490	Physical properties of Ruddlesden-Popper ($n = 3$) nickelate: $\text{La}_4\text{Ni}_3\text{O}_{10}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 496, 165915	2.8	14
489	Giant Magnetoelectric Coupling in Multiferroic PbTiVO_3 from Density Functional Calculations. <i>ACS Omega</i> , 2019 , 4, 16743-16755	3.9	0
488	Zinc substituted MgH_2 - a potential material for hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 13632-13646	6.7	3
487	Amphoteric behavior of hydrogen (H^{+1} and $\text{H}^{\ominus 1}$) in complex hydrides from van der Waals interaction-including ab initio calculations. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6228-6240	13	4
486	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	5.7	1
485	Nonhexagonal Na Sublattice Reconstruction in the Super-Ionic Conductor $\text{Na}_2\text{Zn}_2\text{TeO}_6$: Insights from Ab Initio Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 4654-4663	3.8	6
484	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	13	4
483	Phase and Orientation Control of NiTiO Thin Films. <i>Materials</i> , 2019 , 13,	3.5	3
482	P2 Type Layered Solid-State Electrolyte $\text{Na}_2\text{Zn}_2\text{TeO}_6$: Crystal Structure and Stacking Faults. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A3830-A3837	3.9	7
481	Characterization and evaluation of synthetic Dawsonites as CO_2 sorbents. <i>Fuel</i> , 2019 , 236, 747-754	7.1	6

480	Controlled alloying of Pt-Rh nanoparticles by the polyol approach. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 879-885	5.7	3
479	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	2.9	7
478	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	3.1	5
477	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	5.7	19
476	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	3.3	16
475	Structural Arrangement in Close-Packed Cobalt Polytypes. <i>Crystal Growth and Design</i> , 2018 , 18, 2316-2335	3.5	12
474	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	3.8	9
473	Phase Control in Thin Films of Layered Cuprates. <i>Chemistry of Materials</i> , 2018 , 30, 1095-1101	9.6	8
472	Search for potential precursors for Si-atomic layer deposition [A quantum chemical study. <i>Materials Letters</i> , 2018 , 216, 189-192	3.3	3
471	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	3.3	7
470	A first principle comparative study of the ionic diffusivity in LiAlO and NaAlO polymorphs for solid-state battery applications. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9824-9832	3.6	9
469	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	3.2	23
468	MgH-CoO: a conversion-type composite electrode for LiBH ₄ -based all-solid-state lithium ion batteries.. <i>RSC Advances</i> , 2018 , 8, 23468-23474	3.7	14
467	First complex oxide superconductor by atomic layer deposition. <i>Chemical Communications</i> , 2018 , 54, 8253-8256	5.8	3
466	Lithium ionic conduction in composites of Li(BH ₄) _{0.75} I _{0.25} and amorphous 0.75Li ₂ S _{0.25} P ₂ S ₅ for battery applications. <i>Electrochimica Acta</i> , 2018 , 278, 332-339	6.7	30
465	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. <i>Materials Chemistry and Physics</i> , 2018 , 219, 212-221	4.4	9
464	In situ synchrotron X-ray diffraction of thin films under perturbation by an electric field. <i>Ferroelectrics</i> , 2018 , 537, 20-26	0.6	2
463	Operando investigations of lithiation and delithiation processes in a BiVO anode material. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29798-29803	3.6	11

462	Roadmap for Modeling RhPt/Pt(111) Catalytic Surfaces. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26430-26437	4.6	39
461	Functional Perovskites by Atomic Layer Deposition [An Overview]. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600903	4.6	39
460	Enhanced process and composition control for atomic layer deposition with lithium trimethylsilylanolate. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 01B133	2.9	11
459	SAPO-37 microporous catalysts: revealing the structural transformations during template removal. <i>Chemical Communications</i> , 2017 , 3, 79-88	4.6	5
458	Luminescent properties of europium titanium phosphate thin films deposited by atomic layer deposition. <i>RSC Advances</i> , 2017 , 7, 8051-8059	3.7	11
457	Luminescent YbVO by atomic layer deposition. <i>Dalton Transactions</i> , 2017 , 46, 3008-3013	4.3	10
456	Temperature induced transitions in La ₄ (Co _{1-x} Ni _x) ₃ O _{10+δ} oxygen stoichiometry and mobility. <i>Solid State Ionics</i> , 2017 , 305, 7-15	3.3	8
455	First-principles study of the structural stability and electrochemical properties of NaMSiO (M = Mn, Fe, Co and Ni) polymorphs. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14462-14470	3.6	20
454	Triclinic crystal structure distortion of multiferroic BiMnO. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017 , 73, 313-320	1.8	9
453	Bismuth Vanadate and Molybdate: Stable Alloying Anodes for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 2803-2810	9.6	29
452	First-principles study of structural stability, dynamical and mechanical properties of Li ₂ FeSiO ₄ polymorphs. <i>RSC Advances</i> , 2017 , 7, 16843-16853	3.7	23
451	From Colloidal Monodisperse Nickel Nanoparticles to Well-Defined Ni/AlO Model Catalysts. <i>Langmuir</i> , 2017 , 33, 9836-9843	4	17
450	Thermogravimetric Analysis [A Viable Method for Screening Novel Materials for the Sorbent Enhanced Water-gas Shift Process. <i>Energy Procedia</i> , 2017 , 114, 2294-2303	2.3	2
449	Ab initio structure solution and thermal stability evaluation of a new Ca(II) 3D coordination polymer using synchrotron powder X-ray diffraction data. <i>CrystEngComm</i> , 2017 , 19, 5857-5863	3.3	1
448	Engineering Functions into Platinum and Platinum-Rhodium Nanoparticles in a One-Step Microwave Irradiation Synthesis. <i>ChemistryOpen</i> , 2017 , 6, 273-281	2.3	5
447	Intense NIR emission in YVO ₄ :Yb ³⁺ thin films by atomic layer deposition. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8572-8578	7.1	13
446	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	16.4	39
445	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	3.6	4

444	Colossal Positive Magnetoresistance in Oxygen-Deficient Ca ₄ Mn ₃ O ₁₀ . <i>IEEE Transactions on Magnetism</i> , 2017 , 53, 1-4	2	
443	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, 12827-34	4.3	1
442	Electrical characterization of amorphous LiAlO ₂ thin films deposited by atomic layer deposition. <i>RSC Advances</i> , 2016 , 6, 60479-60486	3.7	30
441	Crystal Structure of LaSr ₃ Fe ₃ O ₈ (OH) ₂ ·xH ₂ O. <i>Inorganic Chemistry</i> , 2016 , 55, 7630-6	5.1	7
440	Electronic and Magnetic Structures of Hole Doped Trilayer LaSrNiO from First-Principles Calculations. <i>Inorganic Chemistry</i> , 2016 , 55, 11898-11907	5.1	5
439	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	3.8	24
438	Aluminium substituted lanthanum based perovskite type oxides, non-stoichiometry and performance in methane partial oxidation by framework oxygen. <i>Applied Catalysis A: General</i> , 2016 , 523, 171-181	5.1	9
437	Burst nucleation by hot injection for size controlled synthesis of cobalt nanoparticles. <i>Chemistry Central Journal</i> , 2016 , 10, 10		15
436	Structural changes in SAPO-34 due to hydrothermal treatment. A NMR, XRD, and DRIFTS study. <i>Microporous and Mesoporous Materials</i> , 2016 , 225, 421-431	5.3	21
435	A novel polytype - the stacking fault based MoO ₃ nanobelts. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 201-8	1.8	3
434	Ultra-high power capabilities in amorphous FePO ₄ thin films. <i>Journal of Power Sources</i> , 2016 , 306, 454-458	4.89	13
433	Neutron diffraction and Raman analysis of LiMn _{1.5} Ni _{0.5} O ₄ spinel type oxides for use as lithium ion battery cathode and their capacity enhancements. <i>Solid State Ionics</i> , 2016 , 284, 28-36	3.3	18
432	Two New Series of Coordination Polymers and Evaluation of Their Properties by Density Functional Theory. <i>Crystal Growth and Design</i> , 2016 , 16, 339-346	3.5	6
431	Crystal structure of dimethyl 4,4'-di-meth-oxy-biphenyl-3,3'-di-carboxyl-ate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 328-30	0.7	2
430	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	5.1	15
429	Atomic layer deposition of (K,Na)(Nb,Ta)O ₃ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016 , 34, 041508	2.9	23
428	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, 01A130	2.9	8
427	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	9.6	79

426	Quantification and key factors in delamination of $(Mg_{1-y}Ni_y)_2Al_x(OH)_2(NO_3)_x \cdot mH_2O$. <i>Applied Clay Science</i> , 2016 , 124-125, 102-110	5.2	5
425	Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications. <i>Materials Research Express</i> , 2016 , 3, 055010	1.7	4
424	Theoretical and experimental investigation on structural, electronic and magnetic properties of layered MnO. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27885-27896	3.6	11
423	In situ synchrotron study of ordered and disordered $LiMn_{1.5}Ni_{0.5}O_4$ as lithium ion battery positive electrode. <i>Acta Materialia</i> , 2016 , 116, 290-297	8.4	15
422	Observation of direct magneto-dielectric behaviour in $Lu_3Fe_5O_{12}$ above room-temperature. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17688-98	3.6	11
421	Structural and magnetic aspects of $La_4(Co_{1-x}Ni_x)_3O_{10+2x}$. <i>Phase Transitions</i> , 2015 , 88, 979-990	1.3	7
420	Supported Nickel Based Catalysts, Ni/Mg(Al)O, for Natural Gas Conversion, Prepared via Delamination and Restacking of MgAl- and NiAl-Nanosheets. <i>Topics in Catalysis</i> , 2015 , 58, 877-886	2.3	5
419	Freeze-dried Li_xMoO_3 nanobelts used as cathode materials for lithium-ion batteries: A bulk and interface study. <i>Journal of Power Sources</i> , 2015 , 297, 276-282	8.9	6
418	Hydrogen storage properties of $Mg(BH_4)_2$ modified by MoO_3 and TiO_2 . <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 12286-12293	6.7	36
417	Investigation of Li^+ insertion in columbite structured $FeNb_2O_6$ and rutile structured $CrNb_2O_6$ materials. <i>Electrochimica Acta</i> , 2015 , 153, 232-237	6.7	8
416	Structural and electronic properties of transparent conducting delafossite: a comparison between the $AgBO_2$ and $CuBO_2$ families ($B = Al, Ga, In$ and Sc, Y). <i>RSC Advances</i> , 2015 , 5, 1366-1377	3.7	24
415	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, 01A101	2.9	17
414	Atomic Layer Deposited Hybrid Organic-Inorganic Aluminates as Potential Low-k Dielectric Materials. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1791, 15-20		2
413	Crystal structures of aluminum-based hydrides. <i>Emerging Materials Research</i> , 2015 , 4, 192-217	1.4	9
412	On the Thermal Stability and Structures of Layered Double Hydroxides $Mg_{1-x}Al_x(OH)_2(NO_3)_x \cdot mH_2O$ (0.18 $\leq x \leq$ 0.38). <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 1775-1788	2.3	18
411	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	9.6	26
410	Thickness dependent structural, optical and electrical properties of Ti-doped ZnO films prepared by atomic layer deposition. <i>Applied Surface Science</i> , 2015 , 332, 494-499	6.7	12
409	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	3.8	58

408	Deposition and x-ray characterization of epitaxial thin films of LaAlO ₃ . <i>Thin Solid Films</i> , 2014 , 550, 90-94	2.2	7
407	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	3.7	1
406	Complex Magnetic Behavior in the PrSr ₃ (Fe _{1-x} Cox) ₃ O ₁₀ = 3 Ruddlesden-Popper-Type Solid Solution with High Valent Cobalt and Iron. <i>Chemistry of Materials</i> , 2014 , 26, 886-897	9.6	9
405	Atomic layer deposition of functional films for Li-ion microbatteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 357-367	1.6	43
404	Atomic Layer Deposition of LaPO ₄ and Ca:LaPO ₄ **. <i>Chemical Vapor Deposition</i> , 2014 , 20, 269-273		14
403	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	13	46
402	Thin film fabrication and characterization of proton conducting lanthanum tungstate. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18463-18471	13	9
401	Luminescence properties of europium titanate thin films grown by atomic layer deposition. <i>RSC Advances</i> , 2014 , 4, 11876-11883	3.7	11
400	Structural, electrical and optical characterization of Ti-doped ZnO films grown by atomic layer deposition. <i>Journal of Alloys and Compounds</i> , 2014 , 616, 618-624	5.7	24
399	Intergrowth structure modelling in silicoaluminophosphate SAPO-18/34 family. <i>Microporous and Mesoporous Materials</i> , 2014 , 195, 311-318	5.3	25
398	Atomic Layer Deposition of oriented nickel titanate (NiTiO ₃). <i>Applied Surface Science</i> , 2014 , 311, 478-483	3.7	10
397	Synthesis and Properties of Ethyl, Propyl, and Butyl Hexa-alkyldisilanes and Tetrakis(tri-alkylsilyl)silanes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2956-2961	1.3	2
396	Thermal stability of photovoltaic a-Si:H determined by neutron reflectometry. <i>Applied Physics Letters</i> , 2014 , 105, 231909	3.4	5
395	Atomic layer deposition of sodium and potassium oxides: evaluation of precursors and deposition of thin films. <i>Dalton Transactions</i> , 2014 , 43, 16666-72	4.3	25
394	Guidance of growth mode and structural character in organic-inorganic hybrid materials - a comparative study. <i>Dalton Transactions</i> , 2014 , 43, 3492-500	4.3	18
393	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		12
392	ALD Applied to Conformal Rare-Earth Coating of ZnO Nanoparticles for Low Temperature Thermal Imaging Applications. <i>ECS Transactions</i> , 2014 , 64, 23-31	1	2
391	Dimethyl 3,3'-di-meth-oxy-biphenyl-4,4'-di-carboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o449		

390	Methyl 5-iodo-2-methoxybenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o462		
389	4,4'-Dimethoxybiphenyl-3,3'-dicarboxylic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o615		2
388	Structural and optical properties of lanthanide oxides grown by atomic layer deposition (Ln = Pr, Nd, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb). <i>Dalton Transactions</i> , 2013 , 42, 10778-85	4.3	29
387	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	13	47
386	Structure and Polymorphism of M(thd) ₃ (M = Al, Cr, Mn, Fe, Co, Ga, and In). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 770-778	1.3	6
385	Atomic layer deposition of Li _x Ti _y O _z thin films. <i>RSC Advances</i> , 2013 , 3, 7537-7542	3.7	46
384	Structural and spectroscopic characterization of potassium fluoroborohydrides. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11226-30	3.6	15
383	Combined XRD and Raman studies of coke types found in SAPO-34 after methanol and propene conversion. <i>Microporous and Mesoporous Materials</i> , 2013 , 173, 166-174	5.3	15
382	Atomic layer deposition of ferroelectric LiNbO ₃ . <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4283-4290	7.1	51
381	On the application of a single-crystal diffractometer and a CCD area detector for studies of thin films. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 644-7	2.4	5
380	Poly[bis-(1,3-dimethylimidazolidin-2-one)(2,5-dioxidoterephthalato)zirconium(IV)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m152		3
379	The fast Z-scan method for studying working catalytic reactors with high energy X-ray diffraction: ZSM-5 in the methanol to gasoline process. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8662-71	3.6	9
378	Molecular Hybrid Structures by Atomic Layer Deposition [Deposition of Alq ₃ , Znq ₂ and Tiq ₄ (q = 8-hydroxyquinoline)]. <i>Chemical Vapor Deposition</i> , 2013 , 19, 174-179		10
377	Poly[bis-(1,3-dimethyl-1,3-diazinan-2-one)(2,5-dioxidoterephthalato)zirconium(IV)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m153		3
376	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	5.3	51
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