

Markku Leskela

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.

758
papers

29,875
citations

78
h-index

134
g-index

776
ext. papers

31,823
ext. citations

4.5
avg, IF

7.05
L-index

#	Paper	IF	Citations
758	Atomic layer deposition of GdF ₃ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022 , 40, 022402	2.9	0
757	Inter-laboratory workflow for forensic applications: Classification of car glass fragments.. <i>Forensic Science International</i> , 2022 , 333, 111216	2.6	1
756	Atomic layer deposition of TbF ₃ thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021 , 39, 022404	2.9	2
755	Atomic Layer Deposition of Insulating AlF ₃ /Polyimide Nanolaminate Films. <i>Coatings</i> , 2021 , 11, 355	2.9	1
754	Oxidative MLD of Conductive PEDOT Thin Films with EDOT and ReCl as Precursors. <i>ACS Omega</i> , 2021 , 6, 17545-17554	3.9	6
753	In Situ Positron Annihilation Spectroscopy Analysis on Low-Temperature Irradiated Semiconductors, Challenges and Possibilities. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000232	1.6	2
752	Role of ALD AlO Surface Passivation on the Performance of p-Type CuO Thin Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4156-4164	9.5	15
751	Highly conductive and stable CoS thin films by atomic layer deposition: from process development and film characterization to selective and epitaxial growth. <i>Dalton Transactions</i> , 2021 , 50, 13264-13275	4.3	
750	Self-Aligned Thin-Film Patterning by Area-Selective Etching of Polymers. <i>Coatings</i> , 2021 , 11, 1124	2.9	1
749	Atomic Layer Deposition of 2D Metal Dichalcogenides for Electronics, Catalysis, Energy Storage, and Beyond. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001677	4.6	12
748	Magnetic properties and resistive switching in mixture films and nanolaminates consisting of iron and silicon oxides grown by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 042405	2.9	2
747	Area-Selective Molecular Layer Deposition of Polyimide on Cu through Cu-Catalyzed Formation of a Crystalline Interchain Polyimide. <i>Chemistry of Materials</i> , 2020 , 32, 5073-5083	9.6	8
746	Effect of interstitial carbon on the evolution of early-stage irradiation damage in equi-atomic FeMnNiCoCr high-entropy alloys. <i>Journal of Applied Physics</i> , 2020 , 127, 025103	2.5	13
745	Silicon oxide-niobium oxide mixture films and nanolaminates grown by atomic layer deposition from niobium pentaethoxide and hexakis(ethylamino) disilane. <i>Nanotechnology</i> , 2020 , 31, 195713	3.4	3
744	Synthesis, molecular docking studies, and larvicidal activity evaluation of new fluorinated neonicotinoids against <i>Anopheles darlingi</i> larvae. <i>PLoS ONE</i> , 2020 , 15, e0227811	3.7	2
743	High-temperature X-ray scattering studies of atomic layer deposited IrO ₂ . <i>Journal of Applied Crystallography</i> , 2020 , 53, 369-380	3.8	1
742	Photocatalytic and Gas Sensitive Multiwalled Carbon Nanotube/TiO ₂ -ZnO and ZnO-TiO ₂ Composites Prepared by Atomic Layer Deposition. <i>Nanomaterials</i> , 2020 , 10,	5.4	9

741	Van der Waals epitaxy of continuous thin films of 2D materials using atomic layer deposition in low temperature and low vacuum conditions. <i>2D Materials</i> , 2020 , 7, 011003	5.9	13
740	Controlling Atomic Layer Deposition of 2D Semiconductor SnS ₂ by the Choice of Substrate. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001046	4.6	4
739	Atomic Layer Deposition of PbS Thin Films at Low Temperatures. <i>Chemistry of Materials</i> , 2020 , 32, 8216-8228	9.2	7
738	Charge carrier dynamics in tantalum oxide overlayers and tantalum doped hematite photoanodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3206-3215	13	15
737	Titania Nanotubes/Hydroxyapatite Nanocomposites Produced with the Use of the Atomic Layer Deposition Technique: Estimation of Bioactivity and Nanomechanical Properties. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
736	Comparative study on the use of novel heteroleptic cyclopentadienyl-based zirconium precursors with H ₂ O and O ₃ for atomic layer deposition of ZrO ₂ . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 020912	2.9	2
735	Studies on solid state reactions of atomic layer deposited thin films of lithium carbonate with hafnia and zirconia. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 020929	2.9	5
734	Reversely toposelective vapor deposition at normal pressure and temperature by capillary condensation. <i>Materials Horizons</i> , 2019 , 6, 1230-1237	14.4	3
733	Atomic Layer Deposition of Nickel Nitride Thin Films using NiCl ₂ (TMPDA) and Tert-Butylhydrazine as Precursors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900058	1.6	4
732	Review Article: Atomic layer deposition of optoelectronic materials. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019 , 37, 030801	1.3	34
731	Crystalline tungsten sulfide thin films by atomic layer deposition and mild annealing. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 020921	2.9	10
730	Atomic Layer Deposition of Emerging 2D Semiconductors, HfS ₂ and ZrS ₂ , for Optoelectronics. <i>Chemistry of Materials</i> , 2019 , 31, 5713-5724	9.6	36
729	Atomic Layer Deposition of Photoconductive CuO Thin Films. <i>ACS Omega</i> , 2019 , 4, 11205-11214	3.9	19
728	Nickel Germanide Thin Films by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2019 , 31, 5314-5319	9.6	5
727	Toward epitaxial ternary oxide multilayer device stacks by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 020602	2.9	3
726	How insignificant modifications of photocatalysts can significantly change their photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 25142-25154	13	15
725	Controlling the refractive index and third-order nonlinearity of polyimide/Ta ₂ O ₅ nanolaminates for optical applications. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 060908	2.9	4
724	Photoassisted atomic layer deposition of oxides employing alkoxides as single-source precursors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 060911	2.9	5

723	Atomic layer deposition of cobalt(II) oxide thin films from Co(BTSA) ₂ (THF) and H ₂ O. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 010908	2.9	1
722	Atomic Layer Deposition of PbI ₂ Thin Films. <i>Chemistry of Materials</i> , 2019 , 31, 1101-1109	9.6	34
721	Atomic Layer Deposition of Intermetallic Co ₃ Sn ₂ and Ni ₃ Sn ₂ Thin Films. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801291	4.6	8
720	Low-Temperature Wafer-Scale Deposition of Continuous 2D SnS Films. <i>Small</i> , 2018 , 14, e1800547	11	33
719	Tracing grog and pots to reveal Neolithic Corded Ware Culture contacts in the Baltic Sea region (SEM-EDS, PIXE). <i>Journal of Archaeological Science</i> , 2018 , 91, 77-91	2.9	17
718	Atomic Layer Deposition of Rhenium Disulfide. <i>Advanced Materials</i> , 2018 , 30, e1703622	24	45
717	Metal oxide multilayer hard mask system for 3D nanofabrication. <i>Nanotechnology</i> , 2018 , 29, 055301	3.4	5
716	Atomic Layer Deposition of Zirconium Dioxide from Zirconium Tetraiodide and Ozone. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, P1-P8	2	3
715	Towards space-grade 3D-printed, ALD-coated small satellite propulsion components for fluidics. <i>Additive Manufacturing</i> , 2018 , 22, 31-37	6.1	9
714	Patterned films by atomic layer deposition using Parafilm as a mask. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018 , 36, 01B102	2.9	3
713	Atomic layer deposition of lanthanum oxide with heteroleptic cyclopentadienyl-amidinate lanthanum precursor - Effect of the oxygen source on the film growth and properties. <i>Thin Solid Films</i> , 2018 , 660, 199-206	2.2	7
712	Design aspects of all atomic layer deposited TiO ₂ /Fe ₂ O ₃ scaffold-absorber photoanodes for water splitting. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2124-2130	5.8	7
711	Rhenium Metal and Rhenium Nitride Thin Films Grown by Atomic Layer Deposition. <i>Angewandte Chemie</i> , 2018 , 130, 14746-14750	3.6	2
710	Rhenium Metal and Rhenium Nitride Thin Films Grown by Atomic Layer Deposition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14538-14542	16.4	16
709	Diamine Adduct of Cobalt(II) Chloride as a Precursor for Atomic Layer Deposition of Stoichiometric Cobalt(II) Oxide and Reduction Thereof to Cobalt Metal Thin Films. <i>Chemistry of Materials</i> , 2018 , 30, 3499-3507 ²¹	9.6	21
708	Electroluminescent Phosphors 2018 ,		
707	Metal Fluorides as Lithium-Ion Battery Materials: An Atomic Layer Deposition Perspective. <i>Coatings</i> , 2018 , 8, 277	2.9	26
706	Atomic Layer Deposition of Molybdenum and Tungsten Oxide Thin Films Using Heteroleptic Imido-Amidinato Precursors: Process Development, Film Characterization, and Gas Sensing Properties. <i>Chemistry of Materials</i> , 2018 , 30, 8690-8701	9.6	16

705	Atomic Layer Deposition and Properties of HfO ₂ -Al ₂ O ₃ Nanolaminates. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, P501-P508	2	4
704	Atomic Layer Deposition and Performance of ZrO ₂ -Al ₂ O ₃ Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, P287-P294	2	8
703	Atomic layer deposition of crystalline molybdenum oxide thin films and phase control by post-deposition annealing. <i>Materials Today Chemistry</i> , 2018 , 9, 17-27	6.2	22
702	Preparation of Lithium Containing Oxides by the Solid State Reaction of Atomic Layer Deposited Thin Films. <i>Chemistry of Materials</i> , 2017 , 29, 998-1005	9.6	11
701	Studies on Thermal Atomic Layer Deposition of Silver Thin Films. <i>Chemistry of Materials</i> , 2017 , 29, 2040-2045	9.45	23
700	Atomic layer deposition and properties of mixed Ta ₂ O ₅ and ZrO ₂ Films. <i>AIP Advances</i> , 2017 , 7, 025001	1.5	21
699	Potential gold(I) precursors evaluated for atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 01B112	2.9	13
698	Surface modification of acetaminophen particles by atomic layer deposition. <i>International Journal of Pharmaceutics</i> , 2017 , 525, 160-174	6.5	31
697	Studies on Li ₃ AlF ₆ thin film deposition utilizing conversion reactions of thin films. <i>Thin Solid Films</i> , 2017 , 636, 26-33	2.2	5
696	Atomic layer deposition of tin oxide thin films from bis[bis(trimethylsilyl)amino]tin(II) with ozone and water. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 041506	2.9	12
695	Atomic Layer Deposition of Crystalline MoS ₂ Thin Films: New Molybdenum Precursor for Low-Temperature Film Growth. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700123	4.6	75
694	As ₂ S ₃ thin films deposited by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 01B114	2.9	8
693	Review Article: Recommended reading list of early publications on atomic layer deposition Outcome of the Virtual Project on the History of ALD. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017 , 35, 010801	2.9	55
692	(Dicyclohexyl(2-(dimesitylboryl)phenyl)phosphine: en route to stable frustrated Lewis pairs-hydrogen adducts in water. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017 , 72, 903-908	1	3
691	(Invited) Photo-Assisted ALD: Process Development and Application Perspectives. <i>ECS Transactions</i> , 2017 , 80, 49-60	1	7
690	Atomic Layer Deposition of Zinc Glutarate Thin Films. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700512	4.6	2
689	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. <i>ACS Energy Letters</i> , 2017 , 2, 2752-2755	20.1	24
688	Low-Temperature Atomic Layer Deposition of Low-Resistivity Copper Thin Films Using Cu(dmap) ₂ and Tertiary Butyl Hydrazine. <i>Chemistry of Materials</i> , 2017 , 29, 6502-6510	9.6	18

687	Low-Temperature Atomic Layer Deposition of Cobalt Oxide as an Effective Catalyst for Photoelectrochemical Water-Splitting Devices. <i>Chemistry of Materials</i> , 2017 , 29, 5796-5805	9.6	32
686	Thermal Atomic Layer Deposition of Continuous and Highly Conducting Gold Thin Films. <i>Chemistry of Materials</i> , 2017 , 29, 6130-6136	9.6	25
685	Optimization of the Silver Nanoparticles PEALD Process on the Surface of 1-D Titania Coatings. <i>Nanomaterials</i> , 2017 , 7,	5.4	18
684	Atomic Layer Deposited Protective Layers. <i>Materials Science Forum</i> , 2016 , 879, 1086-1092	0.4	2
683	Bismuth iron oxide thin films using atomic layer deposition of alternating bismuth oxide and iron oxide layers. <i>Thin Solid Films</i> , 2016 , 611, 78-87	2.2	16
682	Atomic layer deposition of aluminum oxide on modified steel substrates. <i>Surface and Coatings Technology</i> , 2016 , 304, 1-8	4.4	10
681	Electric and Magnetic Properties of ALD-Grown BiFeO ₃ Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7313-7322	3.8	25
680	The structure and the photocatalytic activity of titania based nanotube and nanofiber coatings. <i>Applied Surface Science</i> , 2016 , 368, 165-172	6.7	22
679	Alkylsilyl compounds as enablers of atomic layer deposition: analysis of (Et ₃ Si) ₃ As through the GaAs process. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 449-454	7.1	2
678	Structure-Dependent Mechanical Properties of ALD-Grown Nanocrystalline BiFeO ₃ Multiferroics. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-7	3.2	5
677	Nanoscaled hydrated antimony (V) oxide as a new approach to first-line antileishmanial drugs. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6771-6780	7.3	6
676	Heteroleptic Cyclopentadienyl-Amidinate Precursors for Atomic Layer Deposition (ALD) of Y, Pr, Gd, and Dy Oxide Thin Films. <i>Chemistry of Materials</i> , 2016 , 28, 5440-5449	9.6	23
675	Atomic Layer Deposition of Iridium Thin Films Using Sequential Oxygen and Hydrogen Pulses. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15235-15243	3.8	23
674	Low-temperature atomic layer deposition of copper(II) oxide thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016 , 34, 01A109	2.9	18
673	Scalable Route to the Fabrication of CH ₃ NHPbI Perovskite Thin Films by Electrodeposition and Vapor Conversion. <i>ACS Omega</i> , 2016 , 1, 1296-1306	3.9	32
672	MANOS performance dependence on ALD Al ₂ O ₃ oxidation source. <i>Microelectronic Engineering</i> , 2016 , 159, 127-131	2.5	1
671	Nucleation and Conformality of Iridium and Iridium Oxide Thin Films Grown by Atomic Layer Deposition. <i>Langmuir</i> , 2016 , 32, 10559-10569	4	24
670	Coating and functionalization of high density ion track structures by atomic layer deposition. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 832, 254-258	1.2	1

669	Selective etching of focused gallium ion beam implanted regions from silicon as a nanofabrication method. <i>Nanotechnology</i> , 2015 , 26, 265304	3.4	5
668	Atomic layer deposition of zirconium dioxide from zirconium tetrachloride and ozone. <i>Thin Solid Films</i> , 2015 , 589, 597-604	2.2	18
667	Inert ambient annealing effect on MANOS capacitor memory characteristics. <i>Nanotechnology</i> , 2015 , 26, 134004	3.4	15
666	(Et ₃ Si) ₂ Se as a precursor for atomic layer deposition: growth analysis of thermoelectric Bi ₂ Se ₃ . <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4820-4828	7.1	12
665	Nitrogen induced modifications of MANOS memory properties. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 61-65	1.2	1
664	Slot waveguide ring resonators coated by an atomic layer deposited organic/inorganic nanolaminate. <i>Optics Express</i> , 2015 , 23, 26940-51	3.3	11
663	Conduction and stability of holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2015 , 591, 55-59	2.2	1
662	Mechanical properties of aluminum, zirconium, hafnium and tantalum oxides and their nanolaminates grown by atomic layer deposition. <i>Surface and Coatings Technology</i> , 2015 , 282, 36-42	4.4	24
661	Intramolecular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H ₂ Addition and Kinetic Analysis. <i>Angewandte Chemie</i> , 2015 , 127, 1769-1773	3.6	28
660	Intramolecular frustrated Lewis pair with the smallest boryl site: reversible H ₂ addition and kinetic analysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1749-53	16.4	78
659	The Role of Salts and Brønsted Acids in Lewis Acid-Catalyzed Aqueous-Phase Glucose Dehydration to 5-Hydroxymethylfurfural. <i>ChemCatChem</i> , 2015 , 7, 501-507	5.2	53
658	Selective oxidation of uronic acids into aldaric acids over gold catalyst. <i>RSC Advances</i> , 2015 , 5, 19502-19507		21
657	Diverting Hydrogenations with Wilkinson's Catalyst towards Highly Reactive Rhodium(I) Species. <i>Angewandte Chemie</i> , 2015 , 127, 14529-14533	3.6	4
656	Diverting Hydrogenations with Wilkinson's Catalyst towards Highly Reactive Rhodium(I) Species. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14321-5	16.4	14
655	MANOS erase performance dependence on nitrogen annealing conditions. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1729, 15-20		
654	Rücktitelbild: Intramolecular Frustrated Lewis Pair with the Smallest Boryl Site: Reversible H ₂ Addition and Kinetic Analysis (Angew. Chem. 6/2015). <i>Angewandte Chemie</i> , 2015 , 127, 1998-1998	3.6	
653	Photocatalytic activity of TiO ₂ films on Si support prepared by atomic layer deposition. <i>Catalysis Today</i> , 2015 , 252, 14-19	5.3	17
652	Chiral molecular tweezers: synthesis and reactivity in asymmetric hydrogenation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4038-41	16.4	117

651	Atomic layer deposition and characterization of BiTe thin films. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 2298-306	2.8	23
650	Impedance spectroscopy study of the unipolar and bipolar resistive switching states of atomic layer deposited polycrystalline ZrO ₂ thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 751-766	1.6	18
649	Atomic Layer Deposition of AlF ₃ Thin Films Using Halide Precursors. <i>Chemistry of Materials</i> , 2015 , 27, 604-611	9.6	27
648	In situ reaction mechanism studies on the Ti(NMe ₂) ₂ (OiPr) ₂ -D ₂ O and Ti(OiPr) ₃ [MeC(NiPr) ₂]-D ₂ O atomic layer deposition processes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014 , 32, 01A121	2.9	1
647	Voltage-Dependent Properties of Titanium Dioxide Nanotubes Anodized in Solutions Containing EDTA. <i>Journal of the Electrochemical Society</i> , 2014 , 161, E61-E65	3.9	4
646	Atomic Layer Deposition of Noble Metals and Their Oxides. <i>Chemistry of Materials</i> , 2014 , 26, 786-801	9.6	244
645	Mn(II) acetate: an efficient and versatile oxidation catalyst for alcohols. <i>Catalysis Science and Technology</i> , 2014 , 4, 2564-2573	5.5	29
644	Tweezers for parahydrogen: a metal-free probe of nonequilibrium nuclear spin states of H ₂ molecules. <i>Journal of the American Chemical Society</i> , 2014 , 136, 598-601	16.4	28
643	Combining focused ion beam and atomic layer deposition in nanostructure fabrication. <i>Nanotechnology</i> , 2014 , 25, 115302	3.4	2
642	Holmium and titanium oxide nanolaminates by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 565, 165-171	17.1	9
641	Preparation and bioactive properties of nanocrystalline hydroxyapatite thin films obtained by conversion of atomic layer deposited calcium carbonate. <i>Biointerphases</i> , 2014 , 9, 031008	1.8	11
640	Organocatalytic Oxidation of Secondary Alcohols Using 1,2-Di(1-naphthyl)-1,2-ethanediamine (NEDA). <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 6141-6144	3.2	3
639	Atomic Layer Deposition of TiO ₂ and ZrO ₂ Thin Films Using Heteroleptic Guanidinate Precursors. <i>Chemical Vapor Deposition</i> , 2014 , 20, 209-216		5
638	Solvent controlled catalysis: Synthesis of aldehyde, acid or ester by selective oxidation of benzyl alcohol with gold nanoparticles on alumina. <i>Applied Catalysis A: General</i> , 2014 , 485, 202-206	5.1	52
637	Modification of Hematite Electronic Properties with Trimethyl Aluminum to Enhance the Efficiency of Photoelectrodes. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3582-7	6.4	21
636	Influence of the Support Crystal Structure of WO ₃ /Au Catalysts in CO Oxidation. <i>Catalysis Letters</i> , 2014 , 144, 831-836	2.8	10
635	Atomic layer deposition, characterization, and growth mechanistic studies of TiO ₂ thin films. <i>Langmuir</i> , 2014 , 30, 7395-404	4	12
634	Holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 565, 261-266	2.2	10

633	Study of atomic layer deposited ZrO ₂ and ZrO ₂ /TiO ₂ films for resistive switching application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 301-309	1.6	13
632	Magnetic Properties of Polycrystalline Bismuth Ferrite Thin Films Grown by Atomic Layer Deposition. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 4319-23	6.4	21
631	Cyclopentadienyl Precursors for the Atomic Layer Deposition of Erbium Oxide Thin Films. <i>Chemical Vapor Deposition</i> , 2014 , 20, 217-223		7
630	Temperature dependence of silicon nitride deposited by remote plasma atomic layer deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 2166-2171	1.6	33
629	Atomic Layer Deposition of Groups 4 and 5 Transition Metal Oxide Thin Films: Focus on Heteroleptic Precursors. <i>Chemical Vapor Deposition</i> , 2014 , 20, 189-208		22
628	Frustrated Lewis pair chemistry of chiral (+)-camphor-based aminoboranes. <i>Chemistry - A European Journal</i> , 2013 , 19, 10412-8	4.8	16
627	A frustrated-Lewis-pair approach to catalytic reduction of alkynes to cis-alkenes. <i>Nature Chemistry</i> , 2013 , 5, 718-23	17.6	290
626	Changes in the cross-country ski base properties resulting from the ski use. <i>Sports Engineering</i> , 2013 , 16, 229-238	1.4	2
625	History of atomic layer deposition and its relationship with the American Vacuum Society. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 050818	2.9	73
624	Atomic layer deposition and characterization of vanadium oxide thin films. <i>RSC Advances</i> , 2013 , 3, 1179-1185	1.85	65
623	Synthesis and characterization of binuclear Co(II) complexes with bis(salen-type) ligands. <i>Inorganica Chimica Acta</i> , 2013 , 394, 203-209	2.7	5
622	Bismuth(III) Alkoxide Catalysts for Ring-Opening Polymerization of Lactides and γ -Caprolactone. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 707-715	2.6	9
621	Precursors as enablers of ALD technology: Contributions from University of Helsinki. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 3297-3322	23.2	63
620	The effect of oxygen source on atomic layer deposited Al ₂ O ₃ as blocking oxide in metal/aluminum oxide/nitride/oxide/silicon memory capacitors. <i>Thin Solid Films</i> , 2013 , 533, 5-8	2.2	8
619	Crystallinity of inorganic films grown by atomic layer deposition: Overview and general trends. <i>Journal of Applied Physics</i> , 2013 , 113, 021301	2.5	1011
618	Structural and Magnetic Studies on Iron Oxide and Iron-Magnesium Oxide Thin Films Deposited Using Ferrocene and (Dimethylaminomethyl)ferrocene Precursors. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, N45-N54	2	21
617	Amine-borane mediated metal-free hydrogen activation and catalytic hydrogenation. <i>Topics in Current Chemistry</i> , 2013 , 332, 111-55		15
616	From hazardous waste to valuable raw material: hydrolysis of CCA-treated wood for the production of chemicals. <i>ChemSusChem</i> , 2013 , 6, 813-5	8.3	1

615	A novel alkaline oxidation pretreatment for spruce, birch and sugar cane bagasse. <i>Bioresource Technology</i> , 2013 , 140, 414-20	11	36
614	Photocatalytic Properties of WO ₃ /TiO ₂ Core/Shell Nanofibers prepared by Electrospinning and Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2013 , 19, 149-155		58
613	Synthesis and crystal structure determination of Mn(II) Schiff base complexes and their performance in ethene polymerization. <i>Polyhedron</i> , 2013 , 56, 221-229	2.7	9
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