Marianna Kemell

List of Publications by Year in Descending Order

156 papers	4,637 citations	39 h-index	58 g-index
169 ext. papers	5,161 ext. citations	6.3 avg, IF	5.29 L-index

#	Paper	IF	Citations
156	Neonatal Fc receptor-targeted lignin-encapsulated porous silicon nanoparticles for enhanced cellular interactions and insulin permeation across the intestinal epithelium. *Bioactive Materials*, **2022**, 9, 299-315	16.7	4
155	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (Adv. Mater. 9/2022). *Advanced Materials*, **2022**, 34, 2270074	24	
154	Raman spectroscopy combined with comprehensive gas chromatography for label-free characterization of plasma-derived extracellular vesicle subpopulations.. *Analytical Biochemistry*, **2022**, 114672	3.1	1
153	Understanding the influence of in situ produced dextran on wheat dough baking performance: Maturograph, biaxial extension, and dynamic mechanical thermal analysis. *Food Hydrocolloids*, **2022**, 131, 107844	10.6	0
152	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. *Advanced Materials*, **2021**, e2108012	24	5
151	Novel electroblowing synthesis of tin dioxide and composite tin dioxide/silicon dioxide submicron fibers for cobalt(ii) uptake.. *RSC Advances*, **2021**, 11, 15245-15257	3.7	0
150	Analysis of the performance of Nb2O5-doped SiO2-based MIM devices for memory and neural computation applications. *Solid-State Electronics*, **2021**, 186, 108114	1.7	1
149	Magnetic properties and resistive switching in mixture films and nanolaminates consisting of iron and silicon oxides grown by atomic layer deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2020**, 38, 042405	2.9	2
148	Fungal Treatment Modifies Kraft Lignin for Lignin- and Cellulose-Based Carbon Fiber Precursors. *ACS Omega*, **2020**, 5, 6130-6140	3.9	7
147	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. *Advanced Functional Materials*, **2020**, 30, 2003440	15.6	25
146	Hydrogen release from liquid organic hydrogen carriers catalysed by platinum on rutile-anatase structured titania. *Chemical Communications*, **2020**, 56, 1657-1660	5.8	17
145	Silicon oxide-niobium oxide mixture films and nanolaminates grown by atomic layer deposition from niobium pentaethoxide and hexakis(ethylamino) disilane. *Nanotechnology*, **2020**, 31, 195713	3.4	3
144	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol sebacate)/Nanoparticle-Based Composite Patch for Myocardial Infarction Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 6899-6909	9.5	30
143	Hybrid red blood cell membrane coated porous silicon nanoparticles functionalized with cancer antigen induce depletion of T cells.. *RSC Advances*, **2020**, 10, 35198-35205	3.7	4
142	Automated On-Line Isolation and Fractionation System for Nanosized Biomacromolecules from Human Plasma. *Analytical Chemistry*, **2020**, 92, 13058-13065	7.8	10
141	Atomic Layer Deposition of PbS Thin Films at Low Temperatures. *Chemistry of Materials*, **2020**, 32, 8216-8228	9.6	7
140	Reversely toposelective vapor deposition at normal pressure and temperature by capillary condensation. *Materials Horizons*, **2019**, 6, 1230-1237	14.4	3

139	Maritime Hunter-Gatherers Adopt Cultivation at the Farming Extreme of Northern Europe 5000 Years Ago. *Scientific Reports*, **2019**, 9, 4756	4.9	12
138	Carbocatalytic Oxidative Dehydrogenative Couplings of (Hetero)Aryls by Oxidized Multi-Walled Carbon Nanotubes in Liquid Phase. *Chemistry - A European Journal*, **2019**, 25, 12288-12293	4.8	12
137	Atomic Layer Deposition of Photoconductive CuO Thin Films. *ACS Omega*, **2019**, 4, 11205-11214	3.9	19
136	Controlling the refractive index and third-order nonlinearity of polyimide/Ta2O5 nanolaminates for optical applications. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2019**, 37, 060908	2.9	4
135	Ni(II) Interactions in Boreal sp., sp., sp., and sp. Strains Isolated From an Acidic, Ombrotrophic Bog. *Frontiers in Microbiology*, **2019**, 10, 2677	5.7	4
134	Novel electroblowing synthesis of submicron zirconium dioxide fibers: effect of fiber structure on antimony(V) adsorption. *Nanoscale Advances*, **2019**, 1, 4373-4383	5.1	9
133	Atomic Layer Deposition of PbI2 Thin Films. *Chemistry of Materials*, **2019**, 31, 1101-1109	9.6	34
132	Close-loop dynamic nanohybrids on collagen-ark with in situ gelling transformation capability for biomimetic stage-specific diabetic wound healing. *Materials Horizons*, **2019**, 6, 385-393	14.4	30
131	Integrated atomic layer deposition and chemical vapor reaction for the preparation of metal organic framework coatings for solid-phase microextraction Arrow. *Analytica Chimica Acta*, **2018**, 1024, 93-100	6.6	33
130	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. *Advanced Functional Materials*, **2018**, 28, 1801355	15.6	26
129	Atomic Layer Deposition of Zirconium Dioxide from Zirconium Tetraiodide and Ozone. *ECS Journal of Solid State Science and Technology*, **2018**, 7, P1-P8	2	3
128	Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. *Advanced Materials*, **2018**, 30, e1703393	24	59
127	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. *International Journal of Pharmaceutics*, **2018**, 536, 241-250	6.5	46
126	Nanohybrids: Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics (Adv. Mater. 24/2018). *Advanced Materials*, **2018**, 30, 1870168	24	3
125	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. *Angewandte Chemie*, **2018**, 130, 17350-17355	3.6	4
124	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. *ACS Applied Materials & Interfaces*, **2018**, 10, 44354-44367	9.5	31
123	pH and Reactive Oxygen Species-Sequential Responsive Nano-in-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. *Advanced Functional Materials*, **2018**, 28, 1806175	15.6	44
122	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. *Angewandte Chemie - International Edition*, **2018**, 57, 17104-17109	16.4	13

121	Atomic Layer Deposition and Properties of HfO2-Al2O3 Nanolaminates. *ECS Journal of Solid State Science and Technology*, **2018**, 7, P501-P508	2	4
120	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. *Biomaterials*, **2018**, 185, 322-332	15.6	42
119	Atomic Layer Deposition and Performance of ZrO2-Al2O3Thin Films. *ECS Journal of Solid State Science and Technology*, **2018**, 7, P287-P294	2	8
118	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. *Small*, **2018**, 14, e1800462	11	35
117	Influence of fermented faba bean flour on the nutritional, technological and sensory quality of fortified pasta. *Food and Function*, **2017**, 8, 860-871	6.1	32
116	Atomic layer deposition and properties of mixed Ta2O5 and ZrO2 films. *AIP Advances*, **2017**, 7, 025001	1.5	21
115	Surface modification of acetaminophen particles by atomic layer deposition. *International Journal of Pharmaceutics*, **2017**, 525, 160-174	6.5	31
114	A multifunctional nanocomplex for enhanced cell uptake, endosomal escape and improved cancer therapeutic effect. *Nanomedicine*, **2017**, 12, 1401-1420	5.6	12
113	Atomic layer deposition of tin oxide thin films from bis[bis(trimethylsilyl)amino]tin(II) with ozone and water. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2017**, 35, 041506	2.9	12
112	As2S3 thin films deposited by atomic layer deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2017**, 35, 01B114	2.9	8
111	Quercetin-Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicin-Resistant Cancer Cells. *Advanced Healthcare Materials*, **2017**, 6, 1601009	10.1	37
110	Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. *Nanomedicine*, **2017**, 12, 2581-2596	5.6	71
109	Effects of synthesis conditions on ion exchange properties of □zirconium phosphate for Eu and Am. *Radiochimica Acta*, **2017**, 105, 1033-1042	1.9	5
108	Multifunctional Nanotube-Mucoadhesive Poly(methyl vinyl ether-co-maleic acid)@Hydroxypropyl Methylcellulose Acetate Succinate Composite for Site-Specific Oral Drug Delivery. *Advanced Healthcare Materials*, **2017**, 6, 1700629	10.1	26
107	Drug-Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. *Small*, **2017**, 13, 1701276	11	50
106	Isosorbide synthesis from cellulose with an efficient and recyclable ruthenium catalyst. *Green Chemistry*, **2017**, 19, 4563-4570	10	14
105	Atomic layer deposition-A novel method for the ultrathin coating of minitablets. *International Journal of Pharmaceutics*, **2017**, 531, 47-58	6.5	13
104	WtF-Nano: One-Pot Dewatering and Water-Free Topochemical Modification of Nanocellulose in Ionic Liquids or □Valerolactone. *ChemSusChem*, **2017**, 10, 4879-4890	8.3	10

103	Low-Temperature Atomic Layer Deposition of Cobalt Oxide as an Effective Catalyst for Photoelectrochemical Water-Splitting Devices. *Chemistry of Materials*, **2017**, 29, 5796-5805	9.6	32
102	Hydrogen sensor of Pd-decorated tubular TiO2 layer prepared by anodization with patterned electrodes on SiO2/Si substrate. *Sensors and Actuators B: Chemical*, **2016**, 222, 190-197	8.5	61
101	Active diffusion of nanoparticles of maternal origin within the embryonic brain. *Nanomedicine*, **2016**, 11, 2471-81	5.6	10
100	Bismuth iron oxide thin films using atomic layer deposition of alternating bismuth oxide and iron oxide layers. *Thin Solid Films*, **2016**, 611, 78-87	2.2	16
99	Electric and Magnetic Properties of ALD-Grown BiFeO3 Films. *Journal of Physical Chemistry C*, **2016**, 120, 7313-7322	3.8	25
98	Catalysis of Cycloaddition of Carbon Dioxide and Epoxides Using a Bifunctional Schiff Base Iron(III) Catalyst. *ChemistrySelect*, **2016**, 1, 545-548	1.8	25
97	Microwave-assisted base-free oxidation of glucose on gold nanoparticle catalysts. *Catalysis Communications*, **2016**, 74, 115-118	3.2	29
96	Scalable Route to the Fabrication of CHNHPbI Perovskite Thin Films by Electrodeposition and Vapor Conversion. *ACS Omega*, **2016**, 1, 1296-1306	3.9	32
95	Time-scale dynamics of proteome and transcriptome of the white-rot fungus Phlebia radiata: growth on spruce wood and decay effect on lignocellulose. *Biotechnology for Biofuels*, **2016**, 9, 192	7.8	72
94	Tailor-made approach for selective isolation and elution of low-density lipoproteins by immunoaffinity sorbent on silica. *Analytical Biochemistry*, **2016**, 514, 12-23	3.1	7
93	Atomic layer deposition of zirconium dioxide from zirconium tetrachloride and ozone. *Thin Solid Films*, **2015**, 589, 597-604	2.2	18
92	Thermal and Mechanical Properties of Sustainable Composites Reinforced with Natural Fibers. *Journal of Polymers and the Environment*, **2015**, 23, 251-260	4.5	16
91	Slot waveguide ring resonators coated by an atomic layer deposited organic/inorganic nanolaminate. *Optics Express*, **2015**, 23, 26940-51	3.3	11
90	Conduction and stability of holmium titanium oxide thin films grown by atomic layer deposition. *Thin Solid Films*, **2015**, 591, 55-59	2.2	1
89	Voltage-Dependent Properties of Titanium Dioxide Nanotubes Anodized in Solutions Containing EDTA. *Journal of the Electrochemical Society*, **2014**, 161, E61-E65	3.9	4
88	Mn(II) acetate: an efficient and versatile oxidation catalyst for alcohols. *Catalysis Science and Technology*, **2014**, 4, 2564-2573	5.5	29
87	Biological degradation of torrefied wood and charcoal. *Biomass and Bioenergy*, **2014**, 71, 170-177	5.3	13
86	Single-parameter model for the post-breakdown conduction characteristics of HoTiOx-based MIM capacitors. *Microelectronics Reliability*, **2014**, 54, 1707-1711	1.2	

85	Interference Colors of TiO2 Nanotube Arrays Grown by Anodic Oxidation. *Advanced Materials Research*, **2014**, 875-877, 370-374	0.5	2
84	Holmium and titanium oxide nanolaminates by atomic layer deposition. *Thin Solid Films*, **2014**, 565, 165-171	1.7	9
83	Holmium titanium oxide thin films grown by atomic layer deposition. *Thin Solid Films*, **2014**, 565, 261-266	1.7	10
82	Magnetic Properties of Polycrystalline Bismuth Ferrite Thin Films Grown by Atomic Layer Deposition. *Journal of Physical Chemistry Letters*, **2014**, 5, 4319-23	6.4	21
81	The correlation between the interference colour and growth procedure of anodic titanium dioxide nanotube arrays. *Coloration Technology*, **2014**, 130, 1-7	2	6
80	Continuous-Wave Laser Annealing of a Si/SiO2 Superlattice: Effect of the Ambient Atmosphere and Exposure Period. *Science of Advanced Materials*, **2014**, 6, 1000-1010	2.3	3
79	A study of monitoring hydrogen using mesoporous TiO2 synthesized by anodization. *Sensors and Actuators B: Chemical*, **2013**, 189, 246-250	8.5	12
78	Structural and Magnetic Studies on Iron Oxide and Iron-Magnesium Oxide Thin Films Deposited Using Ferrocene and (Dimethylaminomethyl)ferrocene Precursors. *ECS Journal of Solid State Science and Technology*, **2013**, 2, N45-N54	2	21
77	Photocatalytic Properties of WO3/TiO2 Core/Shell Nanofibers prepared by Electrospinning and Atomic Layer Deposition. *Chemical Vapor Deposition*, **2013**, 19, 149-155		58
76	Deposition of Copper by Plasma-Enhanced Atomic Layer Deposition Using a Novel N-Heterocyclic Carbene Precursor. *Chemistry of Materials*, **2013**, 25, 1132-1138	9.6	39
75	Properties and nanoscale structure of polypropylene-layered double hydroxide composites prepared by compatibilizer-free way. *Journal of Applied Polymer Science*, **2013**, 130, 2429-2438	2.9	1
74	Facile open air oxidation of benzylic alcohols in distilled water by in situ made copper(II) complexes. *Applied Catalysis A: General*, **2012**, 449, 153-162	5.1	16
73	Gas Sensor using Anodic TiO2 Thin Film for Monitoring Hydrogen. *Procedia Engineering*, **2012**, 47, 791-794		16
72	Surface chemistry, reactivity, and pore structure of porous silicon oxidized by various methods. *Langmuir*, **2012**, 28, 10573-83	4	70
71	In Situ Reaction Mechanism Studies on Atomic Layer Deposition of AlxSiyOz from Trimethylaluminium, Hexakis(ethylamino)disilane, and Water. *Chemistry of Materials*, **2012**, 24, 3859-3867	9.6	16
70	Surface fingerprints of individual silicon nanocrystals in laser-annealed Si/SiO2 superlattice: Evidence of nanoeruptions of laser-pressurized silicon. *Journal of Applied Physics*, **2012**, 111, 124302	2.5	3
69	Conformality of remote plasma-enhanced atomic layer deposition processes: An experimental study. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2012**, 30, 01A115	2.9	48
68	Preparation of regularly structured nanotubular TiO2 thin films on ITO and their modification with thin ALD-grown layers. *Nanotechnology*, **2012**, 23, 125707	3.4	21

67	Plasma-Enhanced Atomic Layer Deposition of Silver Thin Films. *Chemistry of Materials*, **2011**, 23, 2901-2907	9.6	89
66	Gold–palladium supported on porous steel fiber matrix: Structured catalyst for benzyl alcohol oxidation and benzyl amine oxidation. *Catalysis Communications*, **2011**, 12, 1260-1264	3.2	49
65	Thermal study on electrospun polyvinylpyrrolidone/ammonium metatungstate nanofibers: optimising the annealing conditions for obtaining WO3 nanofibers. *Journal of Thermal Analysis and Calorimetry*, **2011**, 105, 73-81	4.1	79
64	Gold Catalysis Outside Nanoscale: Bulk Gold Catalyzes the Aerobic Oxidation of π-Activated Alcohols. *ChemCatChem*, **2011**, 3, 1872-1875	5.2	25
63	Mechanical strength and water resistance of paperboard coated with long chain cellulose esters. *Packaging Technology and Science*, **2011**, 24, 249-258	2.3	13
62	Photoswitchable Superabsorbency Based on Nanocellulose Aerogels. *Advanced Functional Materials*, **2011**, 21, 510-517	15.6	218
61	Curau□Fiber Microimaging, Atomic Layer Deposition of Metal Oxide Films, and Obtaining of Nanowalled Microtubes. *Chemical Vapor Deposition*, **2011**, 17, 58-64		5
60	Integrated photocatalytic micropillar nanoreactor electrospray ionization chip for mimicking phase I metabolic reactions. *Lab on A Chip*, **2011**, 11, 1470-6	7.2	23
59	ALD Grown Aluminum Oxide Submonolayers in Dye-Sensitized Solar Cells: The Effect on Interfacial Electron Transfer and Performance. *Journal of Physical Chemistry C*, **2011**, 115, 16720-16729	3.8	52
58	Atomic Layer Deposition of Antimony and its Compounds Using Dechlorosilylation Reactions of Tris(triethylsilyl)antimony. *Chemistry of Materials*, **2011**, 23, 247-254	9.6	40
57	Atomic layer deposition of ruthenium films on strontium titanate. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 8378-82	1.3	1
56	Influence of precursor chemistry and growth temperature on the electrical properties of SrTiO3-based metal-insulator-metal capacitors grown by atomic layer deposition. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2011**, 29, 01AC04	1.3	7
55	Atomic Layer Deposition of Ruthenium Films from (Ethylcyclopentadienyl)(pyrrolyl)ruthenium and Oxygen. *Journal of the Electrochemical Society*, **2011**, 158, D158	3.9	48
54	Investigation of ZrO[sub 2]□Gd[sub 2]O[sub 3] Based High-k Materials as Capacitor Dielectrics. *Journal of the Electrochemical Society*, **2010**, 157, G202	3.9	15
53	High Temperature Atomic Layer Deposition of Ruthenium from N,N-Dimethyl-1-ruthenocenylethylamine. *Journal of the Electrochemical Society*, **2010**, 157, D35	3.9	29
52	A bio-originated porous template for the fabrication of very long, inorganic nanotubes and nanowires. *Bioinspiration and Biomimetics*, **2010**, 5, 026005	2.6	11
51	Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. *Journal of the Electrochemical Society*, **2010**, 157, G193	3.9	10
50	Suppression of Forward Electron Injection from Ru(dcbpy)2(NCS)2 to Nanocrystalline TiO2 Film As a Result of an Interfacial Al2O3 Barrier Layer Prepared with Atomic Layer Deposition. *Journal of Physical Chemistry Letters*, **2010**, 1, 536-539	6.4	38

49	Selective-Area Atomic Layer Deposition Using Poly(vinyl pyrrolidone) as a Passivation Layer. *Journal of the Electrochemical Society*, **2010**, 157, K10	3.9	57
48	Ta2O5- and TiO2-based nanostructures made by atomic layer deposition. *Nanotechnology*, **2010**, 21, 035301	3.4	16
47	Liberation of cellulose from the lignin cage: A catalytic pretreatment method for the production of cellulosic ethanol. *ChemSusChem*, **2010**, 3, 1142-5	8.3	18
46	Structure and morphology of Ru films grown by atomic layer deposition from 1-ethyl-1□methyl-ruthenocene. *Journal of Crystal Growth*, **2010**, 312, 2025-2032	1.6	21
45	Atomic layer deposition and characterization of zirconium oxide□erbium oxide nanolaminates. *Thin Solid Films*, **2010**, 519, 666-673	2.2	12
44	Noble metal-modified TiO2 thin film photocatalyst on porous steel fiber support. *Applied Catalysis B: Environmental*, **2010**, 95, 358-364	21.8	53
43	Effect of self-assembly via □stacking to morphology and crystallinity on tritylated cellulose. *Materials Letters*, **2009**, 63, 473-476	3.3	5
42	Improvements and problems of Bridgman□Stockbarger method for fabrication of TlBr single crystal detectors. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2009**, 607, 126-128	1.2	7
41	Particle growth and fragmentation of solid self-supported Ziegler□Natta-type catalysts in propylene polymerization. *Journal of Molecular Catalysis A*, **2009**, 309, 40-49		20
40	The effect of lignin model compound structure on the rate of oxidation catalyzed by two different fungal laccases. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 57, 204-210		35
39	A Novel Method of Quantifying the u-Shaped Pores in SBA-15. *Journal of Physical Chemistry C*, **2009**, 113, 20349-20354	3.8	10
38	Atomic Layer Deposition of Iridium Thin Films by Consecutive Oxidation and Reduction Steps. *Chemistry of Materials*, **2009**, 21, 4868-4872	9.6	44
37	The preparation of reusable magnetic and photocatalytic composite nanofibers by electrospinning and atomic layer deposition. *Nanotechnology*, **2009**, 20, 035602	3.4	67
36	Selective-Area Atomic Layer Deposition Using Poly(methyl methacrylate) Films as Mask Layers. *Journal of Physical Chemistry C*, **2008**, 112, 15791-15795	3.8	87
35	Atomic Layer Deposition of Iridium Oxide Thin Films from Ir(acac)3 and Ozone. *Chemistry of Materials*, **2008**, 20, 2903-2907	9.6	53
34	Coating of Highly Porous Fiber Matrices by Atomic Layer Deposition. *Chemical Vapor Deposition*, **2008**, 14, 347-352		32
33	Zirconia-supported bimetallic RhPt catalysts: Characterization and testing in autothermal reforming of simulated gasoline. *Applied Catalysis B: Environmental*, **2008**, 84, 223-232	21.8	43
32	New Sn(IV) and Ti(IV) bis(trimethylsilyl)amides in d,l-lactide polymerization, SEM characterization of polymers. *European Polymer Journal*, **2008**, 44, 3797-3805	5.2	23

31	Surface modification of thermoplastics by atomic layer deposition of Al2O3 and TiO2 thin films. *European Polymer Journal*, **2008**, 44, 3564-3570	5.2	81
30	Cobalt salen functionalised polycrystalline gold surfaces. *Thin Solid Films*, **2008**, 516, 2948-2956	2.2	4
29	Selective-area atomic layer deposition with microcontact printed self-assembled octadecyltrichlorosilane monolayers as mask layers. *Thin Solid Films*, **2008**, 517, 972-975	2.2	56
28	Hollow Inorganic Nanospheres and Nanotubes with Tunable Wall Thicknesses by Atomic Layer Deposition on Self-Assembled Polymeric Templates. *Advanced Materials*, **2007**, 19, 102-106	24	118
27	Exploitation of atomic layer deposition for nanostructured materials. *Materials Science and Engineering C*, **2007**, 27, 1504-1508	8.3	62
26	Si/Al2O3/ZnO:Al capacitor arrays formed in electrochemically etched porous Si by atomic layer deposition. *Microelectronic Engineering*, **2007**, 84, 313-318	2.5	36
25	Degradation effects in TlBr single crystals under prolonged bias voltage. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 576, 10-14	1.2	33
24	Electrical characterization of AlxTiyOz mixtures and Al2O3□TiO2□Al2O3 nanolaminates. *Journal of Applied Physics*, **2007**, 102, 114114	2.5	34
23	Ruthenium/aerogel nanocomposites via atomic layer deposition. *Nanotechnology*, **2007**, 18, 055303	3.4	68
22	Atomic Layer Deposition of Nanostructured TiO2 Photocatalysts via Template Approach. *Chemistry of Materials*, **2007**, 19, 1816-1820	9.6	108
21	Oxidation of elemental gold in alcohol solutions. *Inorganic Chemistry*, **2007**, 46, 3251-6	5.1	23
20	Self-Assembled Octadecyltrimethoxysilane Monolayers Enabling Selective-Area Atomic Layer Deposition of Iridium. *Chemical Vapor Deposition*, **2006**, 12, 415-417		54
19	Ir/Oxide/Cellulose Composites for Catalytic Purposes Prepared by Atomic Layer Deposition. *Chemical Vapor Deposition*, **2006**, 12, 419-422		40
18	Rapid Coating of Through-Porous Substrates by Atomic Layer Deposition. *Chemical Vapor Deposition*, **2006**, 12, 655-658		28
17	Quantum dot manipulation in a single-walled carbon nanotube using a carbon nanotube gate. *Applied Physics Letters*, **2006**, 89, 233107	3.4	5
16	Atomic Layer Deposition of Ferroelectric Bismuth Titanate Bi4Ti3O12 Thin Films. *Chemistry of Materials*, **2006**, 18, 3883-3888	9.6	43
15	Transparent superhydrophobic surfaces by self-assembly of hydrophobic monolayers on nanostructured surfaces. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1453-1458	1.6	21
14	Effects of polishing and etching on TlBr single crystals. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2006**, 563, 58-61	1.2	18

13	Aging of electroluminescent ZnS:Mn thin films deposited by atomic layer deposition processes. *Journal of Applied Physics*, **2005**, 98, 113526	2.5	12
12	Atomic layer deposition in nanometer-level replication of cellulosic substances and preparation of photocatalytic TiO2/cellulose composites. *Journal of the American Chemical Society*, **2005**, 127, 14178-9	16.4	175
11	Thin Film Deposition Methods for CuInSe 2 Solar Cells. *Critical Reviews in Solid State and Materials Sciences*, **2005**, 30, 1-31	10.1	235
10	Fast pore etching. *Physica Status Solidi (A) Applications and Materials Science*, **2005**, 202, 1369-1373	1.6	24
9	Electrochemical preparation of In and Al doped ZnO thin films for CuInSe2 solar cells. *Thin Solid Films*, **2003**, 434, 20-23	2.2	55
8	Electrochemical quartz crystal microbalance study on cyclic electrodeposition of PbS thin-films. *Thin Solid Films*, **2001**, 386, 32-40	2.2	15
7	Electrochemical Quartz Crystal Microbalance Study of the Electrodeposition Mechanisms of CuInSe[sub 2] Thin Films. *Journal of the Electrochemical Society*, **2001**, 148, C110	3.9	21
6	Effects of post-deposition treatments onthe photoactivity of CuInSe2 thin films deposited by the inducedco-deposition mechanism. *Journal of Materials Chemistry*, **2001**, 11, 668-672		33
5	Electrochemical quartz crystal microbalance study of the electrodeposition mechanisms of Cu2Se thin films. *Electrochimica Acta*, **2000**, 45, 3737-3748	6.7	46
4	PbTe electrodeposition studied by combined electrochemical quartz crystal microbalance and cyclic voltammetry. *Journal of Electroanalytical Chemistry*, **2000**, 482, 139-148	4.1	38
3	ENT Values for 1-Methyl-2-pyrrolidinone--SolventBinary Mixtures at 20, 30, and 50 °C. *Journal of Solution Chemistry*, **2000**, 29, 87-99	1.8	6
2	One-Step Electrodeposition of Cu[sub 2]Se and CuInSe[sub 2] Thin Films by the Induced Co-deposition Mechanism. *Journal of the Electrochemical Society*, **2000**, 147, 1080	3.9	52
1	Electrochemical quartz crystal microbalance and cyclic voltammetry studies on PbSe electrodeposition mechanisms. *Journal of Materials Chemistry*, **2000**, 10, 519-525		23