

Marianna Kemell

List of Publications by Year in descending order

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165
papers

5,755
citations

53794

45
h-index

102487

66
g-index

169
all docs

169
docs citations

169
times ranked

7987
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Functionalization of nitrogen-doped graphene quantum dot: A sustainable carbon-based catalyst for the production of cyclic carbonate from epoxide and CO ₂ . <i>Journal of Environmental Sciences</i> , 2023, 126, 408-422. | 6.1 | 16 |
| 2 | Neonatal Fc receptor-targeted lignin-encapsulated porous silicon nanoparticles for enhanced cellular interactions and insulin permeation across the intestinal epithelium. <i>Bioactive Materials</i> , 2022, 9, 299-315. | 15.6 | 23 |
| 3 | Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. <i>Advanced Materials</i> , 2022, 34, e2108012. | 21.0 | 25 |
| 4 | Iodine-Catalysed Dissolution of Elemental Gold in Ethanol. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 11 |
| 5 | Iodine-Catalysed Dissolution of Elemental Gold in Ethanol. <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 3 |
| 6 | Thermo-reversible cellulose micro phase-separation in mixtures of methyltributylphosphonium acetate and γ -valerolactone or DMSO. <i>ChemPhysChem</i> , 2022, , . | 2.1 | 2 |
| 7 | Innentitelbild: Iodine-Catalysed Dissolution of Elemental Gold in Ethanol (<i>Angew. Chem.</i> 14/2022). <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 0 |
| 8 | Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-Immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors (<i>Adv. Mater.</i> 9/2022). <i>Advanced Materials</i> , 2022, 34, . | 21.0 | 0 |
| 9 | Raman spectroscopy combined with comprehensive gas chromatography for label-free characterization of plasma-derived extracellular vesicle subpopulations. <i>Analytical Biochemistry</i> , 2022, 647, 114672. | 2.4 | 8 |
| 10 | Understanding the influence of in situ produced dextran on wheat dough baking performance: Maturograph, biaxial extension, and dynamic mechanical thermal analysis. <i>Food Hydrocolloids</i> , 2022, 131, 107844. | 10.7 | 9 |
| 11 | Atomic Layer Deposition of CsI and CsPbI ₃ . <i>Chemistry of Materials</i> , 2022, 34, 6087-6097. | 6.7 | 6 |
| 12 | Novel electroblowing synthesis of tin dioxide and composite tin dioxide/silicon dioxide submicron fibers for cobalt(II) uptake. <i>RSC Advances</i> , 2021, 11, 15245-15257. | 3.6 | 5 |
| 13 | Analysis of the performance of Nb ₂ O ₅ -doped SiO ₂ -based MIM devices for memory and neural computation applications. <i>Solid-State Electronics</i> , 2021, 186, 108114. | 1.4 | 4 |
| 14 | Hybrid red blood cell membrane coated porous silicon nanoparticles functionalized with cancer antigen induce depletion of T cells. <i>RSC Advances</i> , 2020, 10, 35198-35205. | 3.6 | 10 |
| 15 | Automated On-Line Isolation and Fractionation System for Nanosized Biomacromolecules from Human Plasma. <i>Analytical Chemistry</i> , 2020, 92, 13058-13065. | 6.5 | 30 |
| 16 | Atomic Layer Deposition of PbS Thin Films at Low Temperatures. <i>Chemistry of Materials</i> , 2020, 32, 8216-8228. | 6.7 | 16 |
| 17 | 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, . | 2.1 | 7 |
| 18 | Fungal Treatment Modifies Kraft Lignin for Lignin- and Cellulose-Based Carbon Fiber Precursors. <i>ACS Omega</i> , 2020, 5, 6130-6140. | 3.5 | 18 |

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|----|---|------|-----------|
| 19 | Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. <i>Advanced Functional Materials</i> , 2020, 30, 2003440. | 14.9 | 53 |
| 20 | Hydrogen release from liquid organic hydrogen carriers catalysed by platinum on rutile-anatase structured titania. <i>Chemical Communications</i> , 2020, 56, 1657-1660. | 4.1 | 37 |
| 21 | 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. | 2.6 | 5 |
| 22 | Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol) Tj ETQqO O O rgBT /Overlock 10 Tf 50 627 Td (sebacate)/Nan Materials & Interfaces, 2020, 12, 6899-6909. | 8.0 | 57 |
| 23 | Carbocatalytic Oxidative Dehydrogenative Couplings of (Hetero)Aryls by Oxidized Multi-Walled Carbon Nanotubes in Liquid Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 12288-12293. | 3.3 | 15 |
| 24 | Atomic Layer Deposition of Photoconductive Cu ₂ O Thin Films. <i>ACS Omega</i> , 2019, 4, 11205-11214. | 3.5 | 40 |
| 25 | Reversely toposelective vapor deposition at normal pressure and temperature by capillary condensation. <i>Materials Horizons</i> , 2019, 6, 1230-1237. | 12.2 | 4 |
| 26 | Maritime Hunter-Gatherers Adopt Cultivation at the Farming Extreme of Northern Europe 5000 Years Ago. <i>Scientific Reports</i> , 2019, 9, 4756. | 3.3 | 20 |
| 27 | 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. | 2.1 | 5 |
| 28 | Ni(II) Interactions in Boreal <i>Paenibacillus</i> sp., <i>Methylobacterium</i> sp., <i>Paraburkholderia</i> sp., and <i>Pseudomonas</i> sp. Strains Isolated From an Acidic, Ombrotrophic Bog. <i>Frontiers in Microbiology</i> , 2019, 10, 2677. | 3.5 | 6 |
| 29 | Novel electroblowing synthesis of submicron zirconium dioxide fibers: effect of fiber structure on antimony(III) adsorption. <i>Nanoscale Advances</i> , 2019, 1, 4373-4383. | 4.6 | 12 |
| 30 | Atomic Layer Deposition of Pb ₂ Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 1101-1109. | 6.7 | 49 |
| 31 | Close-loop dynamic nanohybrids on collagen-ark with <i>in situ</i> gelling transformation capability for biomimetic stage-specific diabetic wound healing. <i>Materials Horizons</i> , 2019, 6, 385-393. | 12.2 | 46 |
| 32 | Integrated atomic layer deposition and chemical vapor reaction for the preparation of metal organic framework coatings for solid-phase microextraction Arrow. <i>Analytica Chimica Acta</i> , 2018, 1024, 93-100. | 5.4 | 43 |
| 33 | Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. <i>Advanced Functional Materials</i> , 2018, 28, 1801355. | 14.9 | 44 |
| 34 | 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. | 1.8 | 4 |
| 35 | Multifunctional Nanohybrid Based on Porous Silicon Nanoparticles, Gold Nanoparticles, and Acetalated Dextran for Liver Regeneration and Acute Liver Failure Theranostics. <i>Advanced Materials</i> , 2018, 30, e1703393. | 21.0 | 80 |
| 36 | Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. <i>International Journal of Pharmaceutics</i> , 2018, 536, 241-250. | 5.2 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | 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. | 21.0 | 4 |
| 38 | Pyridinethiolâ€Assisted Dissolution of Elemental Gold in Organic Solutions. Angewandte Chemie, 2018, 130, 17350-17355. | 2.0 | 9 |
| 39 | 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. | 8.0 | 47 |
| 40 | pH and Reactive Oxygen Speciesâ€Sequential Responsive Nanoâ€inâ€Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. Advanced Functional Materials, 2018, 28, 1806175. | 14.9 | 68 |
| 41 | Pyridinethiolâ€Assisted Dissolution of Elemental Gold in Organic Solutions. Angewandte Chemie - International Edition, 2018, 57, 17104-17109. | 13.8 | 22 |
| 42 | Atomic Layer Deposition and Properties of HfO ₂ -Al ₂ O ₃ Nanolaminates. ECS Journal of Solid State Science and Technology, 2018, 7, P501-P508. | 1.8 | 12 |
| 43 | Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. Biomaterials, 2018, 185, 322-332. | 11.4 | 73 |
| 44 | Atomic Layer Deposition and Performance of ZrO ₂ -Al ₂ O ₃ Thin Films. ECS Journal of Solid State Science and Technology, 2018, 7, P287-P294. | 1.8 | 8 |
| 45 | Engineered Multifunctional Albuminâ€Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. Small, 2018, 14, e1800462. | 10.0 | 53 |
| 46 | Influence of fermented faba bean flour on the nutritional, technological and sensory quality of fortified pasta. Food and Function, 2017, 8, 860-871. | 4.6 | 46 |
| 47 | Atomic layer deposition and properties of mixed Ta ₂ O ₅ and ZrO ₂ films. AIP Advances, 2017, 7, . | 1.3 | 26 |
| 48 | Surface modification of acetaminophen particles by atomic layer deposition. International Journal of Pharmaceutics, 2017, 525, 160-174. | 5.2 | 40 |
| 49 | A multifunctional nanocomplex for enhanced cell uptake, endosomal escape and improved cancer therapeutic effect. Nanomedicine, 2017, 12, 1401-1420. | 3.3 | 15 |
| 50 | 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, . | 2.1 | 23 |
| 51 | As ₂ S ₃ thin films deposited by atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 01B114. | 2.1 | 9 |
| 52 | Quercetinâ€Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicinâ€Resistant Cancer Cells. Advanced Healthcare Materials, 2017, 6, 1601009. | 7.6 | 49 |
| 53 | Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. Nanomedicine, 2017, 12, 2581-2596. | 3.3 | 96 |
| 54 | Effects of synthesis conditions on ion exchange properties of Î±-zirconium phosphate for Eu and Am. Radiochimica Acta, 2017, 105, 1033-1042. | 1.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Multifunctional Nanotube- <i>mu</i> -coadhesive Poly(methyl vinyl ether- <i>co</i> -maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Delivery. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700629. | 7.6 | 35 |
| 56 | Drug-Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. <i>Small</i> , 2017, 13, 1701276. | 10.0 | 82 |
| 57 | Isosorbide synthesis from cellulose with an efficient and recyclable ruthenium catalyst. <i>Green Chemistry</i> , 2017, 19, 4563-4570. | 9.0 | 18 |
| 58 | Atomic layer deposition- <i>A</i> novel method for the ultrathin coating of minitables. <i>International Journal of Pharmaceutics</i> , 2017, 531, 47-58. | 5.2 | 15 |
| 59 | Wt- <i>Nano</i> : One- <i>Pot</i> Dewatering and Water- <i>Free</i> Topochemical Modification of Nanocellulose in Ionic Liquids or <i>Valerolactone</i> . <i>ChemSusChem</i> , 2017, 10, 4879-4890. | 6.8 | 14 |
| 60 | 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. | 6.7 | 43 |
| 61 | Scalable Route to the Fabrication of CH ₃ NH ₃ PbI ₃ Perovskite Thin Films by Electrodeposition and Vapor Conversion. <i>ACS Omega</i> , 2016, 1, 1296-1306. | 3.5 | 44 |
| 62 | Time-scale dynamics of proteome and transcriptome of the white-rot fungus <i>Phlebia radiata</i> : growth on spruce wood and decay effect on lignocellulose. <i>Biotechnology for Biofuels</i> , 2016, 9, 192. | 6.2 | 95 |
| 63 | Tailor-made approach for selective isolation and elution of low-density lipoproteins by immunoaffinity sorbent on silica. <i>Analytical Biochemistry</i> , 2016, 514, 12-23. | 2.4 | 8 |
| 64 | Active diffusion of nanoparticles of maternal origin within the embryonic brain. <i>Nanomedicine</i> , 2016, 11, 2471-2481. | 3.3 | 12 |
| 65 | Integration of atomic layer deposited nanolaminates on silicon waveguides (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 | | |
| 66 | 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. | 1.8 | 19 |
| 67 | Electric and Magnetic Properties of ALD-Grown BiFeO ₃ Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7313-7322. | 3.1 | 35 |
| 68 | Catalysis of Cycloaddition of Carbon Dioxide and Epoxides Using a Bifunctional Schiff Base Iron(III) Catalyst. <i>ChemistrySelect</i> , 2016, 1, 545-548. | 1.5 | 29 |
| 69 | Microwave-assisted base-free oxidation of glucose on gold nanoparticle catalysts. <i>Catalysis Communications</i> , 2016, 74, 115-118. | 3.3 | 40 |
| 70 | Hydrogen sensor of Pd-decorated tubular TiO ₂ layer prepared by anodization with patterned electrodes on SiO ₂ /Si substrate. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 190-197. | 7.8 | 69 |
| 71 | Atomic layer deposition of zirconium dioxide from zirconium tetrachloride and ozone. <i>Thin Solid Films</i> , 2015, 589, 597-604. | 1.8 | 22 |
| 72 | High-quality slot waveguide ring resonator based on atomic layer deposition. <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 1 |

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|----|---|-----|-----------|
| 73 | Thermal and Mechanical Properties of Sustainable Composites Reinforced with Natural Fibers. <i>Journal of Polymers and the Environment</i> , 2015, 23, 251-260. | 5.0 | 21 |
| 74 | Slot waveguide ring resonators coated by an atomic layer deposited organic/inorganic nanolaminate. <i>Optics Express</i> , 2015, 23, 26940. | 3.4 | 14 |
| 75 | Conduction and stability of holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2015, 591, 55-59. | 1.8 | 1 |
| 76 | Magnetic Properties of Polycrystalline Bismuth Ferrite Thin Films Grown by Atomic Layer Deposition. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4319-4323. | 4.6 | 30 |
| 77 | The correlation between the interference colour and growth procedure of anodic titanium dioxide nanotube arrays. <i>Coloration Technology</i> , 2014, 130, 1-7. | 1.5 | 8 |
| 78 | Voltage-Dependent Properties of Titanium Dioxide Nanotubes Anodized in Solutions Containing EDTA. <i>Journal of the Electrochemical Society</i> , 2014, 161, E61-E65. | 2.9 | 4 |
| 79 | Mn(II) acetate: an efficient and versatile oxidation catalyst for alcohols. <i>Catalysis Science and Technology</i> , 2014, 4, 2564-2573. | 4.1 | 32 |
| 80 | Biological degradation of torrefied wood and charcoal. <i>Biomass and Bioenergy</i> , 2014, 71, 170-177. | 5.7 | 17 |
| 81 | Single-parameter model for the post-breakdown conduction characteristics of HoTiO _x -based MIM capacitors. <i>Microelectronics Reliability</i> , 2014, 54, 1707-1711. | 1.7 | 0 |
| 82 | Interference Colors of TiO ₂ Nanotube Arrays Grown by Anodic Oxidation. <i>Advanced Materials Research</i> , 2014, 875-877, 370-374. | 0.3 | 2 |
| 83 | Holmium and titanium oxide nanolaminates by atomic layer deposition. <i>Thin Solid Films</i> , 2014, 565, 165-171. | 1.8 | 10 |
| 84 | Holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2014, 565, 261-266. | 1.8 | 12 |
| 85 | Continuous-Wave Laser Annealing of a Si/SiO ₂ /Si/SiO ₂ Superlattice: Effect of the Ambient Atmosphere and Exposure Period. <i>Science of Advanced Materials</i> , 2014, 6, 1000-1010. | 0.7 | 3 |
| 86 | A study of monitoring hydrogen using mesoporous TiO ₂ synthesized by anodization. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 246-250. | 7.8 | 16 |
| 87 | 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. | 1.8 | 23 |
| 88 | 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. | 1.3 | 62 |
| 89 | Deposition of Copper by Plasma-Enhanced Atomic Layer Deposition Using a Novel N-Heterocyclic Carbene Precursor. <i>Chemistry of Materials</i> , 2013, 25, 1132-1138. | 6.7 | 46 |
| 90 | Properties and nanoscale structure of polypropylene/clay layered double hydroxide composites prepared by compatibilizer-free way. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2429-2438. | 2.6 | 1 |

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|-----|---|------|-----------|
| 91 | Surface fingerprints of individual silicon nanocrystals in laser-annealed Si/SiO ₂ superlattice: Evidence of nanoeruptions of laser-pressurized silicon. <i>Journal of Applied Physics</i> , 2012, 111, 124302. | 2.5 | 3 |
| 92 | Conformality of remote plasma-enhanced atomic layer deposition processes: An experimental study. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, . | 2.1 | 55 |
| 93 | Preparation of regularly structured nanotubular TiO ₂ thin films on ITO and their modification with thin ALD-grown layers. <i>Nanotechnology</i> , 2012, 23, 125707. | 2.6 | 25 |
| 94 | Facile open air oxidation of benzylic alcohols in distilled water by in situ made copper(II) complexes. <i>Applied Catalysis A: General</i> , 2012, 449, 153-162. | 4.3 | 17 |
| 95 | Gas Sensor using Anodic TiO ₂ Thin Film for Monitoring Hydrogen. <i>Procedia Engineering</i> , 2012, 47, 791-794. | 1.2 | 17 |
| 96 | Surface Chemistry, Reactivity, and Pore Structure of Porous Silicon Oxidized by Various Methods. <i>Langmuir</i> , 2012, 28, 10573-10583. | 3.5 | 82 |
| 97 | In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Al _x Si _y O _z from Trimethylaluminum, Hexakis(ethylamino)disilane, and Water. <i>Chemistry of Materials</i> , 2012, 24, 3859-3867. | 6.7 | 17 |
| 98 | Integrated photocatalytic micropillar nanoreactor electrospray ionization chip for mimicking phase I metabolic reactions. <i>Lab on A Chip</i> , 2011, 11, 1470. | 6.0 | 25 |
| 99 | Characterization of SrTiO ₃ -based MIM capacitors grown by using different precursors and growth temperatures. , 2011, , . | | 0 |
| 100 | ALD Grown Aluminum Oxide Submonolayers in Dye-Sensitized Solar Cells: The Effect on Interfacial Electron Transfer and Performance. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16720-16729. | 3.1 | 55 |
| 101 | Atomic Layer Deposition of Antimony and its Compounds Using Dechlorosilylation Reactions of Tris(triethylsilyl)antimony. <i>Chemistry of Materials</i> , 2011, 23, 247-254. | 6.7 | 43 |
| 102 | Plasma-Enhanced Atomic Layer Deposition of Silver Thin Films. <i>Chemistry of Materials</i> , 2011, 23, 2901-2907. | 6.7 | 106 |
| 103 | Gold-palladium supported on porous steel fiber matrix: Structured catalyst for benzyl alcohol oxidation and benzyl amine oxidation. <i>Catalysis Communications</i> , 2011, 12, 1260-1264. | 3.3 | 57 |
| 104 | Thermal study on electrospun polyvinylpyrrolidone/ammonium metatungstate nanofibers: optimising the annealing conditions for obtaining WO ₃ nanofibers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 73-81. | 3.6 | 95 |
| 105 | Gold Catalysis Outside Nanoscale: Bulk Gold Catalyzes the Aerobic Oxidation of Activated Alcohols. <i>ChemCatChem</i> , 2011, 3, 1872-1875. | 3.7 | 26 |
| 106 | Mechanical strength and water resistance of paperboard coated with long chain cellulose esters. <i>Packaging Technology and Science</i> , 2011, 24, 249-258. | 2.8 | 20 |
| 107 | Photoswitchable Superabsorbency Based on Nanocellulose Aerogels. <i>Advanced Functional Materials</i> , 2011, 21, 510-517. | 14.9 | 240 |
| 108 | Curau Fiber Microimaging, Atomic Layer Deposition of Metal Oxide Films, and Obtaining of Nanowalled Microtubes. <i>Chemical Vapor Deposition</i> , 2011, 17, 58-64. | 1.3 | 5 |

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|-----|--|------|-----------|
| 109 | Atomic Layer Deposition of Ruthenium Films on Strontium Titanate. Journal of Nanoscience and Nanotechnology, 2011, 11, 8378-8382. | 0.9 | 1 |
| 110 | Influence of precursor chemistry and growth temperature on the electrical properties of SrTiO ₃ -based metal-insulator-metal capacitors grown by atomic layer deposition. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, 01AC04. | 1.2 | 7 |
| 111 | Atomic Layer Deposition of Ruthenium Films from (Ethylcyclopentadienyl)(pyrrolyl)ruthenium and Oxygen. Journal of the Electrochemical Society, 2011, 158, D158. | 2.9 | 52 |
| 112 | Ta ₂ O ₅ - and TiO ₂ -based nanostructures made by atomic layer deposition. Nanotechnology, 2010, 21, 035301. | 2.6 | 19 |
| 113 | Liberation of Cellulose from the Lignin Cage: A Catalytic Pretreatment Method for the Production of Cellulosic Ethanol. ChemSusChem, 2010, 3, 1142-1145. | 6.8 | 19 |
| 114 | Structure and morphology of Ru films grown by atomic layer deposition from 1-ethyl-1- TM -methyl-ruthenocene. Journal of Crystal Growth, 2010, 312, 2025-2032. | 1.5 | 24 |
| 115 | Atomic layer deposition and characterization of zirconium oxide-erbium oxide nanolaminates. Thin Solid Films, 2010, 519, 666-673. | 1.8 | 14 |
| 116 | Noble metal-modified TiO ₂ thin film photocatalyst on porous steel fiber support. Applied Catalysis B: Environmental, 2010, 95, 358-364. | 20.2 | 63 |
| 117 | Investigation of ZrO ₂ •Gd ₂ O ₃ Based High-k Materials as Capacitor Dielectrics. Journal of the Electrochemical Society, 2010, 157, G202. | 2.9 | 17 |
| 118 | High Temperature Atomic Layer Deposition of Ruthenium from N,N-Dimethyl-1-ruthenocenyethylamine. Journal of the Electrochemical Society, 2010, 157, D35. | 2.9 | 32 |
| 119 | A bio-originated porous template for the fabrication of very long, inorganic nanotubes and nanowires. Bioinspiration and Biomimetics, 2010, 5, 026005. | 2.9 | 11 |
| 120 | Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. Journal of the Electrochemical Society, 2010, 157, G193. | 2.9 | 11 |
| 121 | Suppression of Forward Electron Injection from Ru(dcbpy) ₂ (NCS) ₂ to Nanocrystalline TiO ₂ Film As a Result of an Interfacial Al ₂ O ₃ Barrier Layer Prepared with Atomic Layer Deposition. Journal of Physical Chemistry Letters, 2010, 1, 536-539. | 4.6 | 39 |
| 122 | Selective-Area Atomic Layer Deposition Using Poly(vinyl pyrrolidone) as a Passivation Layer. Journal of the Electrochemical Society, 2010, 157, K10. | 2.9 | 64 |
| 123 | Effect of self-assembly via π -stacking to morphology and crystallinity on tritylated cellulose. Materials Letters, 2009, 63, 473-476. | 2.6 | 5 |
| 124 | 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. | 1.6 | 8 |
| 125 | Particle growth and fragmentation of solid self-supported Ziegler-Natta-type catalysts in propylene polymerization. Journal of Molecular Catalysis A, 2009, 309, 40-49. | 4.8 | 26 |
| 126 | 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. | 1.8 | 40 |

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|-----|---|------|-----------|
| 127 | A Novel Method of Quantifying the u-Shaped Pores in SBA-15. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20349-20354. | 3.1 | 10 |
| 128 | Atomic Layer Deposition of Iridium Thin Films by Consecutive Oxidation and Reduction Steps. <i>Chemistry of Materials</i> , 2009, 21, 4868-4872. | 6.7 | 51 |
| 129 | The preparation of reusable magnetic and photocatalytic composite nanofibers by electrospinning and atomic layer deposition. <i>Nanotechnology</i> , 2009, 20, 035602. | 2.6 | 75 |
| 130 | Coating of Highly Porous Fiber Matrices by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2008, 14, 347-352. | 1.3 | 35 |
| 131 | Zirconia-supported bimetallic RhPt catalysts: Characterization and testing in autothermal reforming of simulated gasoline. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 223-232. | 20.2 | 51 |
| 132 | New Sn(IV) and Ti(IV) bis(trimethylsilyl)amides in d,l-lactide polymerization, SEM characterization of polymers. <i>European Polymer Journal</i> , 2008, 44, 3797-3805. | 5.4 | 24 |
| 133 | Surface modification of thermoplastics by atomic layer deposition of Al ₂ O ₃ and TiO ₂ thin films. <i>European Polymer Journal</i> , 2008, 44, 3564-3570. | 5.4 | 88 |
| 134 | Cobalt salen functionalised polycrystalline gold surfaces. <i>Thin Solid Films</i> , 2008, 516, 2948-2956. | 1.8 | 6 |
| 135 | Selective-area atomic layer deposition with microcontact printed self-assembled octadecyltrichlorosilane monolayers as mask layers. <i>Thin Solid Films</i> , 2008, 517, 972-975. | 1.8 | 61 |
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