

# 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	Thin Film Deposition Methods for CuInSe <sub>2</sub> Solar Cells. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 1-31.	12.3	270
2	Photoswitchable Superabsorbency Based on Nanocellulose Aerogels. Advanced Functional Materials, 2011, 21, 510-517.	14.9	240
3	Atomic Layer Deposition in Nanometer-Level Replication of Cellulosic Substances and Preparation of Photocatalytic TiO <sub>2</sub> /Cellulose Composites. Journal of the American Chemical Society, 2005, 127, 14178-14179.	13.7	180
4	Hollow Inorganic Nanospheres and Nanotubes with Tunable Wall Thicknesses by Atomic Layer Deposition on Self-Assembled Polymeric Templates. Advanced Materials, 2007, 19, 102-106.	21.0	126
5	Atomic Layer Deposition of Nanostructured TiO <sub>2</sub> Photocatalysts via Template Approach. Chemistry of Materials, 2007, 19, 1816-1820.	6.7	115
6	Plasma-Enhanced Atomic Layer Deposition of Silver Thin Films. Chemistry of Materials, 2011, 23, 2901-2907.	6.7	106
7	Selective-Area Atomic Layer Deposition Using Poly(methyl methacrylate) Films as Mask Layers. Journal of Physical Chemistry C, 2008, 112, 15791-15795.	3.1	96
8	Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. Nanomedicine, 2017, 12, 2581-2596.	3.3	96
9	Thermal study on electrospun polyvinylpyrrolidone/ammonium metatungstate nanofibers: optimising the annealing conditions for obtaining WO <sub>3</sub> nanofibers. Journal of Thermal Analysis and Calorimetry, 2011, 105, 73-81.	3.6	95
10	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.	6.2	95
11	Surface modification of thermoplastics by atomic layer deposition of Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> thin films. European Polymer Journal, 2008, 44, 3564-3570.	5.4	88
12	Surface Chemistry, Reactivity, and Pore Structure of Porous Silicon Oxidized by Various Methods. Langmuir, 2012, 28, 10573-10583.	3.5	82
13	Drug-Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. Small, 2017, 13, 1701276.	10.0	82
14	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.	21.0	80
15	The preparation of reusable magnetic and photocatalytic composite nanofibers by electrospinning and atomic layer deposition. Nanotechnology, 2009, 20, 035602.	2.6	75
16	Ruthenium/aerogel nanocomposites via atomic layer deposition. Nanotechnology, 2007, 18, 055303.	2.6	74
17	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. Biomaterials, 2018, 185, 322-332.	11.4	73
18	Hydrogen sensor of Pd-decorated tubular TiO <sub>2</sub> layer prepared by anodization with patterned electrodes on SiO <sub>2</sub> /Si substrate. Sensors and Actuators B: Chemical, 2016, 222, 190-197.	7.8	69

#	ARTICLE	IF	CITATIONS
19	pH and Reactive Oxygen Species-Sequential Responsive Nano-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. <i>Advanced Functional Materials</i> , 2018, 28, 1806175.	14.9	68
20	Exploitation of atomic layer deposition for nanostructured materials. <i>Materials Science and Engineering C</i> , 2007, 27, 1504-1508.	7.3	67
21	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. <i>International Journal of Pharmaceutics</i> , 2018, 536, 241-250.	5.2	65
22	Selective-Area Atomic Layer Deposition Using Poly(vinyl pyrrolidone) as a Passivation Layer. <i>Journal of the Electrochemical Society</i> , 2010, 157, K10.	2.9	64
23	Noble metal-modified TiO <sub>2</sub> thin film photocatalyst on porous steel fiber support. <i>Applied Catalysis B: Environmental</i> , 2010, 95, 358-364.	20.2	63
24	Photocatalytic Properties of WO <sub>3</sub> /TiO <sub>2</sub> Core/Shell Nanofibers prepared by Electrospinning and Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2013, 19, 149-155.	1.3	62
25	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
26	Electrochemical preparation of In and Al doped ZnO thin films for CuInSe <sub>2</sub> solar cells. <i>Thin Solid Films</i> , 2003, 434, 20-23.	1.8	60
27	Atomic Layer Deposition of Iridium Oxide Thin Films from Ir(acac) <sub>3</sub> and Ozone. <i>Chemistry of Materials</i> , 2008, 20, 2903-2907.	6.7	60
28	Self-Assembled Octadecyltrimethoxysilane Monolayers Enabling Selective-Area Atomic Layer Deposition of Iridium. <i>Chemical Vapor Deposition</i> , 2006, 12, 415-417.	1.3	59
29	One-Step Electrodeposition of Cu <sub>2-x</sub> Se and CuInSe <sub>2</sub> Thin Films by the Induced Co-deposition Mechanism. <i>Journal of the Electrochemical Society</i> , 2000, 147, 1080.	2.9	58
30	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
31	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (selected) <i>Materials &amp; Interfaces</i> , 2020, 12, 6899-6909.	8.0	57
32	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
33	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
34	Electrochemical quartz crystal microbalance study of the electrodeposition mechanisms of Cu <sub>2-x</sub> Se thin films. <i>Electrochimica Acta</i> , 2000, 45, 3737-3748.	5.2	53
35	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. <i>Small</i> , 2018, 14, e1800462.	10.0	53
36	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. <i>Advanced Functional Materials</i> , 2020, 30, 2003440.	14.9	53

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37	Atomic Layer Deposition of Ruthenium Films from (Ethylcyclopentadienyl)(pyrrolyl)ruthenium and Oxygen. <i>Journal of the Electrochemical Society</i> , 2011, 158, D158.	2.9	52
38	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
39	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
40	Quercetin-Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicin-Resistant Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601009.	7.6	49
41	Atomic Layer Deposition of $PbI_2$ Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 1101-1109.	6.7	49
42	Degradation effects in TlBr single crystals under prolonged bias voltage. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 576, 10-14.	1.6	48
43	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44354-44367.	8.0	47
44	Atomic Layer Deposition of Ferroelectric Bismuth Titanate $Bi_4Ti_3O_{12}$ Thin Films. <i>Chemistry of Materials</i> , 2006, 18, 3883-3888.	6.7	46
45	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
46	Influence of fermented faba bean flour on the nutritional, technological and sensory quality of fortified pasta. <i>Food and Function</i> , 2017, 8, 860-871.	4.6	46
47	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
48	PbTe electrodeposition studied by combined electrochemical quartz crystal microbalance and cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2000, 482, 139-148.	3.8	44
49	Scalable Route to the Fabrication of $CH_3NH_3PbI_3$ Perovskite Thin Films by Electrodeposition and Vapor Conversion. <i>ACS Omega</i> , 2016, 1, 1296-1306.	3.5	44
50	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. <i>Advanced Functional Materials</i> , 2018, 28, 1801355.	14.9	44
51	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
52	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
53	Integrated atomic layer deposition and chemical vapor reaction for the preparation of metal organic framework coatings for solid-phase microextraction. <i>Analytica Chimica Acta</i> , 2018, 1024, 93-100.	5.4	43
54	Ir/Oxide/Cellulose Composites for Catalytic Purposes Prepared by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2006, 12, 419-422.	1.3	42

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55	Si/Al <sub>2</sub> O <sub>3</sub> /ZnO:Al capacitor arrays formed in electrochemically etched porous Si by atomic layer deposition. <i>Microelectronic Engineering</i> , 2007, 84, 313-318.	2.4	42
56	Electrical characterization of Al <sub>x</sub> Ti <sub>y</sub> O <sub>z</sub> mixtures and Al <sub>2</sub> O <sub>3</sub> â€“TiO <sub>2</sub> â€“Al <sub>2</sub> O <sub>3</sub> nanolaminates. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	41
57	The effect of lignin model compound structure on the rate of oxidation catalyzed by two different fungal laccases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 204-210.	1.8	40
58	Microwave-assisted base-free oxidation of glucose on gold nanoparticle catalysts. <i>Catalysis Communications</i> , 2016, 74, 115-118.	3.3	40
59	Surface modification of acetaminophen particles by atomic layer deposition. <i>International Journal of Pharmaceutics</i> , 2017, 525, 160-174.	5.2	40
60	Atomic Layer Deposition of Photoconductive Cu <sub>2</sub> O Thin Films. <i>ACS Omega</i> , 2019, 4, 11205-11214.	3.5	40
61	Suppression of Forward Electron Injection from Ru(dcbpy) <sub>2</sub> (NCS) <sub>2</sub> to Nanocrystalline TiO <sub>2</sub> Film As a Result of an Interfacial Al <sub>2</sub> O <sub>3</sub> Barrier Layer Prepared with Atomic Layer Deposition. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 536-539.	4.6	39
62	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
63	Coating of Highly Porous Fiber Matrices by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2008, 14, 347-352.	1.3	35
64	Electric and Magnetic Properties of ALD-Grown BiFeO <sub>3</sub> Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7313-7322.	3.1	35
65	Multifunctional Nanotubeâ€“Mucoadhesive Poly(methyl vinyl etherâ€“maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Delivery. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700629.	7.6	35
66	Effects of post-deposition treatments on the photoactivity of CuInSe <sub>2</sub> thin films deposited by the induced co-deposition mechanism. <i>Journal of Materials Chemistry</i> , 2001, 11, 668-672.	6.7	34
67	High Temperature Atomic Layer Deposition of Ruthenium from N,N-Dimethyl-1-ruthenocenyethylamine. <i>Journal of the Electrochemical Society</i> , 2010, 157, D35.	2.9	32
68	Mn(II) acetate: an efficient and versatile oxidation catalyst for alcohols. <i>Catalysis Science and Technology</i> , 2014, 4, 2564-2573.	4.1	32
69	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
70	Automated On-Line Isolation and Fractionation System for Nanosized Biomacromolecules from Human Plasma. <i>Analytical Chemistry</i> , 2020, 92, 13058-13065.	6.5	30
71	Oxidation of Elemental Gold in Alcohol Solutions. <i>Inorganic Chemistry</i> , 2007, 46, 3251-3256.	4.0	29
72	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

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73	Rapid Coating of Through-Porous Substrates by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2006, 12, 655-658.	1.3	28
74	Fast pore etching. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 1369-1373.	1.8	27
75	Electrochemical quartz crystal microbalance and cyclic voltammetry studies on PbSe electrodeposition mechanisms. <i>Journal of Materials Chemistry</i> , 2000, 10, 519-525.	6.7	26
76	Transparent superhydrophobic surfaces by self-assembly of hydrophobic monolayers on nanostructured surfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1453-1458.	1.8	26
77	Particle growth and fragmentation of solid self-supported Ziegler-Natta-type catalysts in propylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2009, 309, 40-49.	4.8	26
78	Gold Catalysis Outside Nanoscale: Bulk Gold Catalyzes the Aerobic Oxidation of $\alpha$ -Activated Alcohols. <i>ChemCatChem</i> , 2011, 3, 1872-1875.	3.7	26
79	Atomic layer deposition and properties of mixed Ta <sub>2</sub> O <sub>5</sub> and ZrO <sub>2</sub> films. <i>AIP Advances</i> , 2017, 7, .	1.3	26
80	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
81	Preparation of regularly structured nanotubular TiO <sub>2</sub> thin films on ITO and their modification with thin ALD-grown layers. <i>Nanotechnology</i> , 2012, 23, 125707.	2.6	25
82	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
83	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
84	Structure and morphology of Ru films grown by atomic layer deposition from 1-ethyl-1- $\beta$ -methyl-ruthenocene. <i>Journal of Crystal Growth</i> , 2010, 312, 2025-2032.	1.5	24
85	Electrochemical Quartz Crystal Microbalance Study of the Electrodeposition Mechanisms of CuInSe <sub>2</sub> Thin Films. <i>Journal of the Electrochemical Society</i> , 2001, 148, C110.	2.9	23
86	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
87	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, .	2.1	23
88	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
89	Atomic layer deposition of zirconium dioxide from zirconium tetrachloride and ozone. <i>Thin Solid Films</i> , 2015, 589, 597-604.	1.8	22
90	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17104-17109.	13.8	22

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91	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
92	Electrochemical quartz crystal microbalance study on cyclic electrodeposition of PbS thin-films. <i>Thin Solid Films</i> , 2001, 386, 32-40.	1.8	20
93	Effects of polishing and etching on TlBr single crystals. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 563, 58-61.	1.6	20
94	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
95	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
96	Ta <sub>2</sub> O <sub>5</sub> - and TiO <sub>2</sub> -based nanostructures made by atomic layer deposition. <i>Nanotechnology</i> , 2010, 21, 035301.	2.6	19
97	Liberation of Cellulose from the Lignin Cage: A Catalytic Pretreatment Method for the Production of Cellulosic Ethanol. <i>ChemSusChem</i> , 2010, 3, 1142-1145.	6.8	19
98	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
99	Isosorbide synthesis from cellulose with an efficient and recyclable ruthenium catalyst. <i>Green Chemistry</i> , 2017, 19, 4563-4570.	9.0	18
100	Fungal Treatment Modifies Kraft Lignin for Lignin- and Cellulose-Based Carbon Fiber Precursors. <i>ACS Omega</i> , 2020, 5, 6130-6140.	3.5	18
101	Investigation of ZrO <sub>2</sub> •Gd <sub>2</sub> O <sub>3</sub> Based High- $\kappa$ Materials as Capacitor Dielectrics. <i>Journal of the Electrochemical Society</i> , 2010, 157, G202.	2.9	17
102	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
103	Gas Sensor using Anodic TiO <sub>2</sub> Thin Film for Monitoring Hydrogen. <i>Procedia Engineering</i> , 2012, 47, 791-794.	1.2	17
104	In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Al <sub>x</sub> Si <sub>y</sub> O <sub>z</sub> from Trimethylaluminum, Hexakis(ethylamino)disilane, and Water. <i>Chemistry of Materials</i> , 2012, 24, 3859-3867.	6.7	17
105	Biological degradation of torrefied wood and charcoal. <i>Biomass and Bioenergy</i> , 2014, 71, 170-177.	5.7	17
106	A study of monitoring hydrogen using mesoporous TiO <sub>2</sub> synthesized by anodization. <i>Sensors and Actuators B: Chemical</i> , 2013, 189, 246-250.	7.8	16
107	Atomic Layer Deposition of PbS Thin Films at Low Temperatures. <i>Chemistry of Materials</i> , 2020, 32, 8216-8228.	6.7	16
108	Functionalization of nitrogen-doped graphene quantum dot: A sustainable carbon-based catalyst for the production of cyclic carbonate from epoxide and CO <sub>2</sub> . <i>Journal of Environmental Sciences</i> , 2023, 126, 408-422.	6.1	16



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109	A multifunctional nanocomplex for enhanced cell uptake, endosomal escape and improved cancer therapeutic effect. <i>Nanomedicine</i> , 2017, 12, 1401-1420.	3.3	15
110	Atomic layer deposition—A novel method for the ultrathin coating of minitablets. <i>International Journal of Pharmaceutics</i> , 2017, 531, 47-58.	5.2	15
111	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
112	Aging of electroluminescent ZnS:Mn thin films deposited by atomic layer deposition processes. <i>Journal of Applied Physics</i> , 2005, 98, 113526.	2.5	14
113	Atomic layer deposition and characterization of zirconium oxide—erbium oxide nanolaminates. <i>Thin Solid Films</i> , 2010, 519, 666-673.	1.8	14
114	Slot waveguide ring resonators coated by an atomic layer deposited organic/inorganic nanolaminate. <i>Optics Express</i> , 2015, 23, 26940.	3.4	14
115	Wt—Nano: One—Pot Dewatering and Water—Free Topochemical Modification of Nanocellulose in Ionic Liquids or Valerolactone. <i>ChemSusChem</i> , 2017, 10, 4879-4890.	6.8	14
116	Holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2014, 565, 261-266.	1.8	12
117	Active diffusion of nanoparticles of maternal origin within the embryonic brain. <i>Nanomedicine</i> , 2016, 11, 2471-2481.	3.3	12
118	Atomic Layer Deposition and Properties of HfO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Nanolaminates. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, P501-P508.	1.8	12
119	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
120	A bio-originated porous template for the fabrication of very long, inorganic nanotubes and nanowires. <i>Bioinspiration and Biomimetics</i> , 2010, 5, 026005.	2.9	11
121	Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, G193.	2.9	11
122	Iodine-Catalysed Dissolution of Elemental Gold in Ethanol. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
123	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
124	Holmium and titanium oxide nanolaminates by atomic layer deposition. <i>Thin Solid Films</i> , 2014, 565, 165-171.	1.8	10
125	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
126	As <sub>2</sub> S <sub>3</sub> thin films deposited by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, 01B114.	2.1	9



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127	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. <i>Angewandte Chemie</i> , 2018, 130, 17350-17355.	2.0	9
128	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
129	$\gamma$ -ENT Values for 1-Methyl-2-pyrrolidinone-Solvent Binary Mixtures at 20, 30, and 50 °C. <i>Journal of Solution Chemistry</i> , 2000, 29, 87-99.	1.2	8
130	Improvements and problems of Bridgman-Stockbarger method for fabrication of TlBr single crystal detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 607, 126-128.	1.6	8
131	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
132	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
133	Effects of synthesis conditions on ion exchange properties of $\beta$ -zirconium phosphate for Eu and Am. <i>Radiochimica Acta</i> , 2017, 105, 1033-1042.	1.2	8
134	Atomic Layer Deposition and Performance of $ZrO_2-Al_2O_3$ Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, P287-P294.	1.8	8
135	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
136	Influence of precursor chemistry and growth temperature on the electrical properties of SrTiO <sub>3</sub> -based metal-insulator-metal capacitors grown by atomic layer deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011, 29, 01AC04.	1.2	7
137	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
138	Quantum dot manipulation in a single-walled carbon nanotube using a carbon nanotube gate. <i>Applied Physics Letters</i> , 2006, 89, 233107.	3.3	6
139	Cobalt salen functionalised polycrystalline gold surfaces. <i>Thin Solid Films</i> , 2008, 516, 2948-2956.	1.8	6
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