

Marianna Kemell

List of Publications by Citations

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156
papers

4,637
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169
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5,161
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
156	Thin Film Deposition Methods for CuInSe ₂ Solar Cells. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2005 , 30, 1-31	10.1	235
155	Photoswitchable Superabsorbency Based on Nanocellulose Aerogels. <i>Advanced Functional Materials</i> , 2011 , 21, 510-517	15.6	218
154	Atomic layer deposition in nanometer-level replication of cellulosic substances and preparation of photocatalytic TiO ₂ /cellulose composites. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14178-9	16.4	175
153	Hollow Inorganic Nanospheres and Nanotubes with Tunable Wall Thicknesses by Atomic Layer Deposition on Self-Assembled Polymeric Templates. <i>Advanced Materials</i> , 2007 , 19, 102-106	24	118
152	Atomic Layer Deposition of Nanostructured TiO ₂ Photocatalysts via Template Approach. <i>Chemistry of Materials</i> , 2007 , 19, 1816-1820	9.6	108
151	Plasma-Enhanced Atomic Layer Deposition of Silver Thin Films. <i>Chemistry of Materials</i> , 2011 , 23, 2901-2907	9.7	89
150	Selective-Area Atomic Layer Deposition Using Poly(methyl methacrylate) Films as Mask Layers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15791-15795	3.8	87
149	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	5.2	81
148	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	4.1	79
147	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	7.8	72
146	Functionalization of carboxylated lignin nanoparticles for targeted and pH-responsive delivery of anticancer drugs. <i>Nanomedicine</i> , 2017 , 12, 2581-2596	5.6	71
145	Surface chemistry, reactivity, and pore structure of porous silicon oxidized by various methods. <i>Langmuir</i> , 2012 , 28, 10573-83	4	70
144	Ruthenium/aerogel nanocomposites via atomic layer deposition. <i>Nanotechnology</i> , 2007 , 18, 055303	3.4	68
143	The preparation of reusable magnetic and photocatalytic composite nanofibers by electrospinning and atomic layer deposition. <i>Nanotechnology</i> , 2009 , 20, 035602	3.4	67
142	Exploitation of atomic layer deposition for nanostructured materials. <i>Materials Science and Engineering C</i> , 2007 , 27, 1504-1508	8.3	62
141	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	8.5	61
140	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	24	59

139	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
138	Selective-Area Atomic Layer Deposition Using Poly(vinyl pyrrolidone) as a Passivation Layer. <i>Journal of the Electrochemical Society</i> , 2010 , 157, K10	3.9	57
137	Selective-area atomic layer deposition with microcontact printed self-assembled octadecyltrichlorosilane monolayers as mask layers. <i>Thin Solid Films</i> , 2008 , 517, 972-975	2.2	56
136	Electrochemical preparation of In and Al doped ZnO thin films for CuInSe ₂ solar cells. <i>Thin Solid Films</i> , 2003 , 434, 20-23	2.2	55
135	Self-Assembled Octadecyltrimethoxysilane Monolayers Enabling Selective-Area Atomic Layer Deposition of Iridium. <i>Chemical Vapor Deposition</i> , 2006 , 12, 415-417		54
134	Noble metal-modified TiO ₂ thin film photocatalyst on porous steel fiber support. <i>Applied Catalysis B: Environmental</i> , 2010 , 95, 358-364	21.8	53
133	Atomic Layer Deposition of Iridium Oxide Thin Films from Ir(acac) ₃ and Ozone. <i>Chemistry of Materials</i> , 2008 , 20, 2903-2907	9.6	53
132	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	3.8	52
131	One-Step Electrodeposition of Cu ₂ Se and CuInSe ₂ Thin Films by the Induced Co-deposition Mechanism. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 1080	3.9	52
130	Drug-Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. <i>Small</i> , 2017 , 13, 1701276	11	50
129	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	3.2	49
128	Atomic Layer Deposition of Ruthenium Films from (Ethylcyclopentadienyl)(pyrrolyl)ruthenium and Oxygen. <i>Journal of the Electrochemical Society</i> , 2011 , 158, D158	3.9	48
127	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, 01A115	2.9	48
126	Electrochemical quartz crystal microbalance study of the electrodeposition mechanisms of Cu ₂ Se thin films. <i>Electrochimica Acta</i> , 2000 , 45, 3737-3748	6.7	46
125	Conductive vancomycin-loaded mesoporous silica polypyrrole-based scaffolds for bone regeneration. <i>International Journal of Pharmaceutics</i> , 2018 , 536, 241-250	6.5	46
124	Atomic Layer Deposition of Iridium Thin Films by Consecutive Oxidation and Reduction Steps. <i>Chemistry of Materials</i> , 2009 , 21, 4868-4872	9.6	44
123	pH and Reactive Oxygen Species-Sequential Responsive Nano-in-Micro Composite for Targeted Therapy of Inflammatory Bowel Disease. <i>Advanced Functional Materials</i> , 2018 , 28, 1806175	15.6	44
122	Zirconia-supported bimetallic RhPt catalysts: Characterization and testing in autothermal reforming of simulated gasoline. <i>Applied Catalysis B: Environmental</i> , 2008 , 84, 223-232	21.8	43

121	Atomic Layer Deposition of Ferroelectric Bismuth Titanate Bi ₄ Ti ₃ O ₁₂ Thin Films. <i>Chemistry of Materials</i> , 2006 , 18, 3883-3888	9.6	43
120	Hierarchical structured and programmed vehicles deliver drugs locally to inflamed sites of intestine. <i>Biomaterials</i> , 2018 , 185, 322-332	15.6	42
119	Atomic Layer Deposition of Antimony and its Compounds Using Dechlorosilylation Reactions of Tris(triethylsilyl)antimony. <i>Chemistry of Materials</i> , 2011 , 23, 247-254	9.6	40
118	Ir/Oxide/Cellulose Composites for Catalytic Purposes Prepared by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2006 , 12, 419-422		40
117	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	9.6	39
116	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. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 536-539	6.4	38
115	PbTe electrodeposition studied by combined electrochemical quartz crystal microbalance and cyclic voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 482, 139-148	4.1	38
114	Quercetin-Based Modified Porous Silicon Nanoparticles for Enhanced Inhibition of Doxorubicin-Resistant Cancer Cells. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601009	10.1	37
113	Si/Al ₂ O ₃ /ZnO:Al capacitor arrays formed in electrochemically etched porous Si by atomic layer deposition. <i>Microelectronic Engineering</i> , 2007 , 84, 313-318	2.5	36
112	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		35
111	Engineered Multifunctional Albumin-Decorated Porous Silicon Nanoparticles for FcRn Translocation of Insulin. <i>Small</i> , 2018 , 14, e1800462	11	35
110	Electrical characterization of Al _x Ti _y O _z mixtures and Al ₂ O ₃ /TiO ₂ /Al ₂ O ₃ nanolaminates. <i>Journal of Applied Physics</i> , 2007 , 102, 114114	2.5	34
109	Atomic Layer Deposition of PbI ₂ Thin Films. <i>Chemistry of Materials</i> , 2019 , 31, 1101-1109	9.6	34
108	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	6.6	33
107	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	1.2	33
106	Effects of post-deposition treatments on the photoactivity of CuInSe ₂ thin films deposited by the induced co-deposition mechanism. <i>Journal of Materials Chemistry</i> , 2001 , 11, 668-672		33
105	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	6.1	32
104	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

103	Coating of Highly Porous Fiber Matrices by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2008 , 14, 347-352		32
102	Scalable Route to the Fabrication of CHNHPbI Perovskite Thin Films by Electrodeposition and Vapor Conversion. <i>ACS Omega</i> , 2016 , 1, 1296-1306	3.9	32
101	Surface modification of acetaminophen particles by atomic layer deposition. <i>International Journal of Pharmaceutics</i> , 2017 , 525, 160-174	6.5	31
100	Microfluidic Nanoassembly of Bioengineered Chitosan-Modified FcRn-Targeted Porous Silicon Nanoparticles @ Hypromellose Acetate Succinate for Oral Delivery of Antidiabetic Peptides. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44354-44367	9.5	31
99	Fabrication and Characterization of Drug-Loaded Conductive Poly(glycerol sebacate)/Nanoparticle-Based Composite Patch for Myocardial Infarction Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6899-6909	9.5	30
98	Close-loop dynamic nanohybrids on collagen-ark with in situ gelling transformation capability for biomimetic stage-specific diabetic wound healing. <i>Materials Horizons</i> , 2019 , 6, 385-393	14.4	30
97	Microwave-assisted base-free oxidation of glucose on gold nanoparticle catalysts. <i>Catalysis Communications</i> , 2016 , 74, 115-118	3.2	29
96	Mn(II) acetate: an efficient and versatile oxidation catalyst for alcohols. <i>Catalysis Science and Technology</i> , 2014 , 4, 2564-2573	5.5	29
95	High Temperature Atomic Layer Deposition of Ruthenium from N,N-Dimethyl-1-ruthenocenyethylamine. <i>Journal of the Electrochemical Society</i> , 2010 , 157, D35	3.9	29
94	Rapid Coating of Through-Porous Substrates by Atomic Layer Deposition. <i>Chemical Vapor Deposition</i> , 2006 , 12, 655-658		28
93	Bioengineered Porous Silicon Nanoparticles@Macrophages Cell Membrane as Composite Platforms for Rheumatoid Arthritis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801355	15.6	26
92	Multifunctional Nanotube-Mucoadhesive Poly(methyl vinyl ether-co-maleic acid)@Hydroxypropyl Methylcellulose Acetate Succinate Composite for Site-Specific Oral Drug Delivery. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700629	10.1	26
91	Multifunctional 3D-Printed Patches for Long-Term Drug Release Therapies after Myocardial Infarction. <i>Advanced Functional Materials</i> , 2020 , 30, 2003440	15.6	25
90	Electric and Magnetic Properties of ALD-Grown BiFeO ₃ Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 7313-7322	3.8	25
89	Catalysis of Cycloaddition of Carbon Dioxide and Epoxides Using a Bifunctional Schiff Base Iron(III) Catalyst. <i>ChemistrySelect</i> , 2016 , 1, 545-548	1.8	25
88	Gold Catalysis Outside Nanoscale: Bulk Gold Catalyzes the Aerobic Oxidation of β -Activated Alcohols. <i>ChemCatChem</i> , 2011 , 3, 1872-1875	5.2	25
87	Fast pore etching. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, 1369-1373	1.6	24
86	Integrated photocatalytic micropillar nanoreactor electrospray ionization chip for mimicking phase I metabolic reactions. <i>Lab on A Chip</i> , 2011 , 11, 1470-6	7.2	23

85	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	5.2	23
84	Oxidation of elemental gold in alcohol solutions. <i>Inorganic Chemistry</i> , 2007 , 46, 3251-6	5.1	23
83	Electrochemical quartz crystal microbalance and cyclic voltammetry studies on PbSe electrodeposition mechanisms. <i>Journal of Materials Chemistry</i> , 2000 , 10, 519-525		23
82	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
81	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
80	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
79	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	3.4	21
78	Structure and morphology of Ru films grown by atomic layer deposition from 1-ethyl-1-methyl-ruthenocene. <i>Journal of Crystal Growth</i> , 2010 , 312, 2025-2032	1.6	21
77	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	1.6	21
76	Electrochemical Quartz Crystal Microbalance Study of the Electrodeposition Mechanisms of CuInSe ₂ Thin Films. <i>Journal of the Electrochemical Society</i> , 2001 , 148, C110	3.9	21
75	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		20
74	Atomic Layer Deposition of Photoconductive CuO Thin Films. <i>ACS Omega</i> , 2019 , 4, 11205-11214	3.9	19
73	Atomic layer deposition of zirconium dioxide from zirconium tetrachloride and ozone. <i>Thin Solid Films</i> , 2015 , 589, 597-604	2.2	18
72	Liberation of cellulose from the lignin cage: A catalytic pretreatment method for the production of cellulosic ethanol. <i>ChemSusChem</i> , 2010 , 3, 1142-5	8.3	18
71	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	1.2	18
70	Hydrogen release from liquid organic hydrogen carriers catalysed by platinum on rutile-anatase structured titania. <i>Chemical Communications</i> , 2020 , 56, 1657-1660	5.8	17
69	Thermal and Mechanical Properties of Sustainable Composites Reinforced with Natural Fibers. <i>Journal of Polymers and the Environment</i> , 2015 , 23, 251-260	4.5	16
68	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

67	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	5.1	16
66	Gas Sensor using Anodic TiO ₂ Thin Film for Monitoring Hydrogen. <i>Procedia Engineering</i> , 2012 , 47, 791-794		16
65	In Situ Reaction Mechanism Studies on Atomic Layer Deposition of Al _x Si _y O _z from Trimethylaluminium, Hexakis(ethylamino)disilane, and Water. <i>Chemistry of Materials</i> , 2012 , 24, 3859-3867	9.6	16
64	Ta ₂ O ₅ - and TiO ₂ -based nanostructures made by atomic layer deposition. <i>Nanotechnology</i> , 2010 , 21, 035301	3.4	16
63	Investigation of ZrO ₂ /TiO ₂ Based High-k Materials as Capacitor Dielectrics. <i>Journal of the Electrochemical Society</i> , 2010 , 157, G202	3.9	15
62	Electrochemical quartz crystal microbalance study on cyclic electrodeposition of PbS thin-films. <i>Thin Solid Films</i> , 2001 , 386, 32-40	2.2	15
61	Isosorbide synthesis from cellulose with an efficient and recyclable ruthenium catalyst. <i>Green Chemistry</i> , 2017 , 19, 4563-4570	10	14
60	Biological degradation of torrefied wood and charcoal. <i>Biomass and Bioenergy</i> , 2014 , 71, 170-177	5.3	13
59	Atomic layer deposition-A novel method for the ultrathin coating of minitables. <i>International Journal of Pharmaceutics</i> , 2017 , 531, 47-58	6.5	13
58	Mechanical strength and water resistance of paperboard coated with long chain cellulose esters. <i>Packaging Technology and Science</i> , 2011 , 24, 249-258	2.3	13
57	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17104-17109	16.4	13
56	A multifunctional nanocomplex for enhanced cell uptake, endosomal escape and improved cancer therapeutic effect. <i>Nanomedicine</i> , 2017 , 12, 1401-1420	5.6	12
55	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
54	Maritime Hunter-Gatherers Adopt Cultivation at the Farming Extreme of Northern Europe 5000 Years Ago. <i>Scientific Reports</i> , 2019 , 9, 4756	4.9	12
53	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	4.8	12
52	A study of monitoring hydrogen using mesoporous TiO ₂ synthesized by anodization. <i>Sensors and Actuators B: Chemical</i> , 2013 , 189, 246-250	8.5	12
51	Atomic layer deposition and characterization of zirconium oxide/erbium oxide nanolaminates. <i>Thin Solid Films</i> , 2010 , 519, 666-673	2.2	12
50	Aging of electroluminescent ZnS:Mn thin films deposited by atomic layer deposition processes. <i>Journal of Applied Physics</i> , 2005 , 98, 113526	2.5	12

49	Slot waveguide ring resonators coated by an atomic layer deposited organic/inorganic nanolaminate. <i>Optics Express</i> , 2015 , 23, 26940-51	3.3	11
48	A bio-originated porous template for the fabrication of very long, inorganic nanotubes and nanowires. <i>Bioinspiration and Biomimetics</i> , 2010 , 5, 026005	2.6	11
47	Active diffusion of nanoparticles of maternal origin within the embryonic brain. <i>Nanomedicine</i> , 2016 , 11, 2471-81	5.6	10
46	Holmium titanium oxide thin films grown by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 565, 261-266	2.2	10
45	WtF-Nano: One-Pot Dewatering and Water-Free Topochemical Modification of Nanocellulose in Ionic Liquids or γ -Valerolactone. <i>ChemSusChem</i> , 2017 , 10, 4879-4890	8.3	10
44	Atomic Layer Deposition and Characterization of Erbium Oxide-Doped Zirconium Oxide Thin Films. <i>Journal of the Electrochemical Society</i> , 2010 , 157, G193	3.9	10
43	A Novel Method of Quantifying the u-Shaped Pores in SBA-15. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20349-20354	3.8	10
42	Automated On-Line Isolation and Fractionation System for Nanosized Biomacromolecules from Human Plasma. <i>Analytical Chemistry</i> , 2020 , 92, 13058-13065	7.8	10
41	Holmium and titanium oxide nanolaminates by atomic layer deposition. <i>Thin Solid Films</i> , 2014 , 565, 165-171	1.7	9
40	Novel electroblowing synthesis of submicron zirconium dioxide fibers: effect of fiber structure on antimony(V) adsorption. <i>Nanoscale Advances</i> , 2019 , 1, 4373-4383	5.1	9
39	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
38	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
37	Fungal Treatment Modifies Kraft Lignin for Lignin- and Cellulose-Based Carbon Fiber Precursors. <i>ACS Omega</i> , 2020 , 5, 6130-6140	3.9	7
36	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	1.2	7
35	Influence of precursor chemistry and growth temperature on the electrical properties of SrTiO ₃ -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	1.3	7
34	Atomic Layer Deposition of PbS Thin Films at Low Temperatures. <i>Chemistry of Materials</i> , 2020 , 32, 8216-8228	2.8	7
33	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	3.1	7
32	The correlation between the interference colour and growth procedure of anodic titanium dioxide nanotube arrays. <i>Coloration Technology</i> , 2014 , 130, 1-7	2	6

31	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	1.8	6
30	Effects of synthesis conditions on ion exchange properties of Zirconium phosphate for Eu and Am. <i>Radiochimica Acta</i> , 2017 , 105, 1033-1042	1.9	5
29	Curau Fiber Microimaging, Atomic Layer Deposition of Metal Oxide Films, and Obtaining of Nanowalled Microtubes. <i>Chemical Vapor Deposition</i> , 2011 , 17, 58-64		5
28	Effect of self-assembly via Stacking to morphology and crystallinity on tritylated cellulose. <i>Materials Letters</i> , 2009 , 63, 473-476	3.3	5
27	Quantum dot manipulation in a single-walled carbon nanotube using a carbon nanotube gate. <i>Applied Physics Letters</i> , 2006 , 89, 233107	3.4	5
26	Multifunctional Biomimetic Nanovaccines Based on Photothermal and Weak-immunostimulatory Nanoparticulate Cores for the Immunotherapy of Solid Tumors. <i>Advanced Materials</i> , 2021 , e2108012	24	5
25	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
24	Cobalt salen functionalised polycrystalline gold surfaces. <i>Thin Solid Films</i> , 2008 , 516, 2948-2956	2.2	4
23	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	3.7	4
22	Controlling the refractive index and third-order nonlinearity of polyimide/Ta2O5 nanolaminates for optical applications. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019 , 37, 060908	2.9	4
21	Ni(II) Interactions in Boreal sp., sp., sp., and sp. Strains Isolated From an Acidic, Ombrotrophic Bog. <i>Frontiers in Microbiology</i> , 2019 , 10, 2677	5.7	4
20	Pyridinethiol-Assisted Dissolution of Elemental Gold in Organic Solutions. <i>Angewandte Chemie</i> , 2018 , 130, 17350-17355	3.6	4
19	Atomic Layer Deposition and Properties of HfO2-Al2O3 Nanolaminates. <i>ECS Journal of Solid State Science and Technology</i> , 2018 , 7, P501-P508	2	4
18	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	16.7	4
17	Reversely toposelective vapor deposition at normal pressure and temperature by capillary condensation. <i>Materials Horizons</i> , 2019 , 6, 1230-1237	14.4	3
16	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
15	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
14	Surface fingerprints of individual silicon nanocrystals in laser-annealed Si/SiO2 superlattice: Evidence of nanoeruptions of laser-pressurized silicon. <i>Journal of Applied Physics</i> , 2012 , 111, 124302	2.5	3

13	Continuous-Wave Laser Annealing of a Si/SiO ₂ Superlattice: Effect of the Ambient Atmosphere and Exposure Period. <i>Science of Advanced Materials</i> , 2014 , 6, 1000-1010	2.3	3
12	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). <i>Advanced Materials</i> , 2018 , 30, 1870168	24	3
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