AgustÃ-n R. GonzÃ¡lez-Elipe

List of Publications by Year
in descending order

510 papers	16,047 citations	26630 56 h-index	39675 94 g-index
532 all docs	532 docs citations	532 times ranked	16819 citing authors

#	Article	IF	Citations
1	Compositional gradients at the nanoscale in substoichiometric thin films deposited by magnetron sputtering at oblique angles: A case study on SiO_x thin films. Plasma Processes and Polymers, 2022, 19, 2100116.	3.0	1
2	Plasma assisted CO2 dissociation in pure and gas mixture streams with a ferroelectric packed-bed reactor in ambient conditions. Chemical Engineering Journal, 2022, 430, 133066.	12.7	22
3	Multiscale ultrafast laser texturing of marble for reduced surface wetting. Applied Surface Science, 2022, 577, 151850.	6.1	4
4	Ionomer-Free Nickel-Iron bimetallic electrodes for efficient anion exchange membrane water electrolysis. Chemical Engineering Journal, 2022, 433, 133774.	12.7	22
5	Electron Beam Evaporated vs. Magnetron Sputtered Nanocolumnar Porous Stainless Steel: Corrosion Resistance, Wetting Behavior and Anti-bacterial Activity. Materials Today Communications, 2022, 31, 103266.	1.9	7
6	Thin film nanostructuring at oblique angles by substrate patterning. Surface and Coatings Technology, 2022, 436, 128293.	4.8	5
7	Titania Enhanced Photocatalysis and Dye Giant Absorption in Nanoporous 1D Bragg Microcavities. ACS Applied Nano Materials, 2022, 5, 5487-5497.	5.0	5
8	Nanostructured nickel based electrocatalysts for hybrid ethanol-water anion exchange membrane electrolysis. Journal of Environmental Chemical Engineering, 2022, 10, 107994.	6.7	3
9	Comparative analysis of the germination of barley seeds subjected to drying, hydrogen peroxide, or oxidative air plasma treatments. Plasma Processes and Polymers, 2022, 19, .	3.0	4
10	Electrical and reaction performances of packedâ€bed plasma reactors moderated with ferroelectric or dielectric materials. Plasma Processes and Polymers, 2021, 18, 2000193.	3.0	6
11	Active sites and optimization of mixed copper-cobalt oxide anodes for anion exchange membrane water electrolysis. Journal of Power Sources, 2021, 485, 229217.	7.8	24
12	Anisotropic Resistivity Surfaces Produced in ITO Films by Laserâ€Induced Nanoscale Selfâ€organization. Advanced Optical Materials, 2021, 9, 2001086.	7.3	24
13	Physicochemical surface analysis and germination at different irrigation conditions of DBD plasmaâ€treated wheat seeds. Plasma Processes and Polymers, 2021, 18, .	3.0	35
14	One-reactor vacuum and plasma synthesis of transparent conducting oxide nanotubes and nanotrees: from single wire conductivity to ultra-broadband perfect absorbers in the NIR. Nanoscale, 2021, 13, 13882-13895.	5.6	4
15	Patterning and control of the nanostructure in plasma thin films with acoustic waves: mechanicalvs.electrical polarization effects. Materials Horizons, 2021, 8, 515-524.	12.2	9
16	Solid-State Dewetting of Gold on Stochastically Periodic SiO₂ Nanocolumns Prepared by Oblique Angle Deposition. ACS Applied Materials & Interfaces, 2021, 13, 11385-11395.	8.0	12
17	Form Birefringence in Resonant Transducers for the Selective Monitoring of VOCs under Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 19148-19158.	8.0	1
18	Electrochromic response and porous structure of WO3 cathode layers. Electrochimica Acta, 2021, 376, 138049.	5.2	32

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19	New Insights on the Conversion Reaction Mechanism in Metal Oxide Electrodes for Sodium-Ion Batteries. Nanomaterials, 2021, 11, 966.	4.1	6
20	Factors triggering germination in plasma-activated cotton seeds: water imbibition vs. reactive speciesâ€™ formation. Journal Physics D: Applied Physics, 2021, 54, 325205.	2.8	4
21	Anisotropic Resistivity ITO Surfaces produced by Laser-induced Self-organization at the Nanoscale. , 2021, , .		0
22	Laser-induced scanning transfer deposition of silver electrodes on glass surfaces: A green and scalable technology. Applied Surface Science, 2021, 556, 149673.	6.1	5
23	Mechanically Switchable Wetting Petal Effect in Self-Patterned Nanocolumnar Films on Poly(dimethylsiloxane). Nanomaterials, 2021, 11, 2566.	4.1	2
24	Photonic sensor systems for the identification of hydrocarbons and crude oils in static and flow conditions. Sensors and Actuators B: Chemical, 2021, 344, 130265.	7.8	1
25	Extraction of microstructural parameters from sculptured thin films nanoindentation. Surface and Coatings Technology, 2021, 425, 127696.	4.8	5
26	Recent Advances in Alkaline Exchange Membrane Water Electrolysis and Electrode Manufacturing. Molecules, 2021, 26, 6326.	3.8	50
27	Robust label-free CuxCoyOz electrochemical sensors for hexose detection during fermentation process monitoring. Sensors and Actuators B: Chemical, 2020, 304, 127360.	7.8	5
28	Positron annihilation analysis of nanopores and growth mechanism of oblique angle evaporated TiO2 and SiO2 thin films and multilayers. Microporous and Mesoporous Materials, 2020, 295, 109968.	4.4	8
29	Thin film electroluminescent device based on magnetron sputtered Tb doped ZnGa2O4 layers. Journal of Luminescence, 2020, 228, 117617.	3.1	6
30	Robust anti-icing superhydrophobic aluminum alloy surfaces by grafting fluorocarbon molecular chains. Applied Materials Today, 2020, 21, 100815.	4.3	37
31	Unraveling Discharge and Surface Mechanisms in Plasma-Assisted Ammonia Reactions. ACS Sustainable Chemistry and Engineering, 2020, 8, 14855-14866.	6.7	37
32	Chemistry and Electrocatalytic Activity of Nanostructured Nickel Electrodes for Water Electrolysis. ACS Catalysis, 2020, 10, 6159-6170.	11.2	48
33	Optofluidic liquid sensing on electromicrofluidic devices. Materials Research Express, 2020, 7, 036407.	1.6	2
34	Wetting and spreading of liquid lithium onto nanocolumnar tungsten coatings tailored through the topography of stainless steel substrates. Nuclear Fusion, 2020, 60, 126033.	3.5	6
35	Ultrastable Co x Si y O z Nanowires by Glancing Angle Deposition with Magnetron Sputtering as Novel Electrocatalyst for Water Oxidation. ChemCatChem, 2019, 11, 6111-6115.	3.7	8
36	Sodium ion storage performance of magnetron sputtered WO3 thin films. Electrochimica Acta, 2019, 321, 134669.	5.2	17

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37	Graphene Formation Mechanism by the Electrochemical Promotion of a Ni Catalyst. ACS Catalysis, 2019, 9, 11447-11454.	11.2	5
38	Kinetic energy-induced growth regimes of nanocolumnar Ti thin films deposited by evaporation and magnetron sputtering. Nanotechnology, 2019, 30, 475603.	2.6	13
39	Antibacterial Nanostructured Ti Coatings by Magnetron Sputtering: From Laboratory Scales to Industrial Reactors. Nanomaterials, 2019, 9, 1217.	4.1	30
40	CuxCo3-xO4 ultra-thin film as efficient anodic catalysts for anion exchange membrane water electrolysers. Journal of Power Sources, 2019, 415, 136-144.	7.8	40
41	SiOx by magnetron sputtered revisited: Tailoring the photonic properties of multilayers. Applied Surface Science, 2019, 488, 791-800.	6.1	13
42	Large gap atmospheric pressure barrier discharges using ferroelectric materials. Plasma Sources Science and Technology, 2019, 28, 075002.	3.1	1
43	Isotope Labelling for Reaction Mechanism Analysis in DBD Plasma Processes. Catalysts, 2019, 9, 45.	3.5	14
44	Hydrophobicity, Freezing Delay, and Morphology of Laser-Treated Aluminum Surfaces. Langmuir, 2019, 35, 6483-6491.	3.5	29
45	2D compositional self-patterning in magnetron sputtered thin films. Applied Surface Science, 2019, 480, 115-121.	6.1	3
46	3D Organic Nanofabrics: Plasma-Assisted Synthesis and Antifreezing Behavior of Superhydrophobic and Lubricant-Infused Slippery Surfaces. Langmuir, 2019, 35, 16876-16885.	3.5	13
47	Liquid switchable radial polarization converters made of sculptured thin films. Applied Surface Science, 2019, 475, 230-236.	6.1	3
48	Environmentally Tight TiO₂â€“SiO₂ Porous 1Dâ€Photonic Structures. Advanced Materials Interfaces, 2019, 6, 1801212.	3.7	6
49	Growth of nanocolumnar thin films on patterned substrates at oblique angles. Plasma Processes and Polymers, 2019, 16, 1800135.	3.0	11
50	Colorimetric energy sensitive scintillator detectors based on luminescent multilayer designs. Sensors and Actuators A: Physical, 2018, 272, 217-222.	4.1	4
51	Nickel/Copper Bilayerâ€modified Screen Printed Electrode for Glucose Determination in Flow Injection Analysis. Electroanalysis, 2018, 30, 187-193.	2.9	5
52	Dye Giant Absorption and Light Confinement Effects in Porous Bragg Microcavities. ACS Photonics, 2018, 5, 984-991.	6.6	3
53	Robust polarization active nanostructured 1D Bragg Microcavities as optofluidic label-free refractive index sensor. Sensors and Actuators B: Chemical, 2018, 256, 590-599.	7.8	14
54	Growth of nanocolumnar porous TiO 2 thin films by magnetron sputtering using particle collimators. Surface and Coatings Technology, 2018, 343, 172-177.	4.8	25

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55	Microstructural engineering and use of efficient poison resistant Au-doped Ni-GDC ultrathin anodes in methane-fed solid oxide fuel cells. International Journal of Hydrogen Energy, 2018, 43, 885-893.	7.1	23
56	In situ monitoring of the phenomenon of electrochemical promotion of catalysis. Journal of Catalysis, 2018, 358, 27-34.	6.2	12
57	Influence of irrigation conditions in the germination of plasma treated Nasturtium seeds. Scientific Reports, 2018, 8, 16442.	3.3	43
58	Nanostructural Analysis of Porous Oblique Angle Deposited (OAD) Multilayer Systems by Grazingâ€Incidence Smallâ€Angle Xâ€Ray Scattering. Advanced Materials Interfaces, 2018, 5, 1800530.	3.7	6
59	Sensing and biosensing with screen printed electrodes modified with nanostructured nickel oxide thin films prepared by magnetron sputtering at oblique angles. Electrochemistry Communications, 2018, 94, 5-8.	4.7	16
60	In Vitro Comparative Study of Oxygen Plasma Treated Poly(Lacticâ€“Coâ€“Glycolic) (PLGA) Membranes and Supported Nanostructured Oxides for Guided Bone Regeneration Processes. Materials, 2018, 11, 752.	2.9	4
61	Laserâ€induced coloration of ceramic tiles covered with magnetron sputtered precursor layers. Journal of the American Ceramic Society, 2018, 102, 1589.	3.8	1
62	A compact and portable optofluidic device for detection of liquid properties and label-free sensing. Journal Physics D: Applied Physics, 2017, 50, 215103.	2.8	7
63	Energy-Sensitive Ion- and Cathode-Luminescent Radiation-Beam Monitors Based on Multilayer Thin-Film Designs. ACS Applied Materials & Interfaces, 2017, 9, 16313-16320.	8.0	10
64	Antibacterial response of titanium oxide coatings doped by nitrogen plasma immersion ion implantation. Surface and Coatings Technology, 2017, 314, 67-71.	4.8	9
65	In Situ Determination of the Water Condensation Mechanisms on Superhydrophobic and Superhydrophilic Titanium Dioxide Nanotubes. Langmuir, 2017, 33, 6449-6456.	3.5	23
66	(Invited) Plasma Assisted Oblique Angle Deposition of Transparent and Conductive in-Plane Anisotropic ITO Thin Films. ECS Transactions, 2017, 77, 9-15.	0.5	1
67	Critical Role of Oxygen in Silver-Catalyzed Glaserâ€“Hay Coupling on Ag(100) under Vacuum and in Solution on Ag Particles. ACS Catalysis, 2017, 7, 3113-3120.	11.2	8
68	Non-enzymatic hydrogen peroxide detection at NiO nanoporous thin film- electrodes prepared by physical vapor deposition at oblique angles. Electrochimica Acta, 2017, 235, 534-542.	5.2	60
69	1-dimensional TiO2 nano-forests as photoanodes for efficient and stable perovskite solar cells fabrication. Nano Energy, 2017, 35, 215-222.	16.0	34
70	Improving the pollutant removal efficiency of packed-bed plasma reactors incorporating ferroelectric components. Chemical Engineering Journal, 2017, 314, 311-319.	12.7	29
71	Enhanced green fluorescent protein in optofluidic Fabry-Perot microcavity to detect laser induced temperature changes in a bacterial culture. Applied Physics Letters, 2017, 111, .	3.3	4
72	Silver and gold nanoparticles in nanometric confined templates: synthesis and alloying within the anisotropic pores of oblique angle deposited films. Nanotechnology, 2017, 28, 485602.	2.6	3

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73	Structural control in porous/compact multilayer systems grown by magnetron sputtering. Nanotechnology, 2017, 28, 465605.	2.6	6
74	Micronâ€scale wedge thin films prepared by plasma enhanced chemical vapor deposition. Plasma Processes and Polymers, 2017, 14, 1700043.	3.0	2
75	Surface chemistry and germination improvement of Quinoa seeds subjected to plasma activation. Scientific Reports, 2017, 7, 5924.	3.3	81
76	High performance novel gadolinium doped ceria/yttria stabilized zirconia/nickel layered and hybrid thin film anodes for application in solid oxide fuel cells. Journal of Power Sources, 2017, 363, 251-259.	7.8	24
77	Formation of Subsurface W⁵⁺ Species in Gasochromic Pt/WO₃ Thin Films Exposed to Hydrogen. Journal of Physical Chemistry C, 2017, 121, 15719-15727.	3.1	40
78	Cholesterol biosensing with a polydopamine-modified nanostructured platinum electrode prepared by oblique angle physical vacuum deposition. Sensors and Actuators B: Chemical, 2017, 240, 37-45.	7.8	38
79	About the enhancement of chemical yield during the atmospheric plasma synthesis of ammonia in a ferroelectric packed bed reactor. Plasma Processes and Polymers, 2017, 14, 1600081.	3.0	58
80	In Vitro and in Vivo Study of Poly(Lacticâ€“coâ€“Glycolic) (PLGA) Membranes Treated with Oxygen Plasma and Coated with Nanostructured Hydroxyapatite Ultrathin Films for Guided Bone Regeneration Processes. Polymers, 2017, 9, 410.	4.5	7
81	Optical Gas Sensing of Ammonia and Amines Based on Protonated Porphyrin/TiO2 Composite Thin Films. Sensors, 2017, 17, 24.	3.8	40
82	â€˜Reliability of new poly (lactic-co-glycolic acid) membranes treated with oxygen plasma plus silicon dioxide layers for pre-prosthetic guided bone regeneration processesâ€™. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2017, 22, 0-0.	1.7	4
83	Vapor and liquid optical monitoring with sculptured Bragg microcavities. Journal of Nanophotonics, 2017, 11, 1.	1.0	5
84	Vapor and liquid optical monitoring with sculptured Bragg microcavities. , 2017, , .		0
85	A Full Vacuum Approach for the Fabrication of Hybrid White-Light-Emitting Thin Films and Wide-Range In Situ Tunable Luminescent Microcavities. Advanced Optical Materials, 2016, 4, 1124-1131.	7.3	3
86	Highâ€Rate Deposition of Stoichiometric Compounds by Reactive Magnetron Sputtering at Oblique Angles. Plasma Processes and Polymers, 2016, 13, 960-964.	3.0	10
87	Non-Enzymatic Glucose Sensors Based on Nickel Nanoporous Thin Films Prepared by Physical Vapor Deposition at Oblique Angles for Beverage Industry Applications. Journal of the Electrochemical Society, 2016, 163, B704-B709.	2.9	8
88	Nanocolumnar association and domain formation in porous thin films grown by evaporation at oblique angles. Nanotechnology, 2016, 27, 395702.	2.6	23
89	Non-enzymatic Glucose electrochemical sensor made of porous NiO thin films prepared by reactive magnetron sputtering at oblique angles. Electrochimica Acta, 2016, 201, 38-44.	5.2	95
90	Cathode and ion-luminescence of Eu:ZnO thin films prepared by reactive magnetron sputtering and plasma decomposition of non-volatile precursors. Journal of Luminescence, 2016, 178, 139-146.	3.1	9

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91	Nanoindentation and scratch resistance of multilayered TiO2-SiO2coatings with different nanocolumnar structures deposited by PV-OAD. Journal Physics D: Applied Physics, 2016, 49, 135104.	2.8	9
92	Isotope labelling to study molecular fragmentation during the dielectric barrier discharge wet reforming of methane. Journal of Power Sources, 2016, 325, 501-505.	7.8	4
93	Stoichiometric Control of SiO_x Thin Films Grown by Reactive Magnetron Sputtering at Oblique Angles. Plasma Processes and Polymers, 2016, 13, 1242-1248.	3.0	7
94	Laser Treatment of Nanoparticulated Metal Thin Films for Ceramic Tile Decoration. ACS Applied Materials & Interfaces, 2016, 8, 24880-24886.	8.0	9
95	White Light Emission: A Full Vacuum Approach for the Fabrication of Hybrid Whiteâ€Lightâ€Emitting Thin Films and Wideâ€Range In Situ Tunable Luminescent Microcavities (Advanced Optical Materials 7/2016). Advanced Optical Materials, 2016, 4, 1134-1134.	7.3	0
96	Portable IR dye laser optofluidic microresonator as a temperature and chemical sensor. Optics Express, 2016, 24, 14383.	3.4	11
97	Metallization of ceramic substrates by laser induced decomposition of coordination complexes. Journal of the European Ceramic Society, 2016, 36, 2831-2836.	5.7	7
98	Synthesis, characterization and performance of robust poison-resistant ultrathin film yttria stabilized zirconia â€“ nickel anodes for application in solid electrolyte fuel cells. Journal of Power Sources, 2016, 324, 679-686.	7.8	28
99	Dye-based photonic sensing systems. Sensors and Actuators B: Chemical, 2016, 228, 649-657.	7.8	15
100	Ripening and recrystallization of NaCl nanocrystals in humid conditions. RSC Advances, 2016, 6, 3778-3782.	3.6	10
101	Optofluidic Modulation of Self-Associated Nanostructural Units Forming Planar Bragg Microcavities. ACS Nano, 2016, 10, 1256-1264.	14.6	27
102	Characterization and application of a new pH sensor based on magnetron sputtered porous WO3 thin films deposited at oblique angles. Electrochimica Acta, 2016, 193, 24-31.	5.2	39
103	Light management: porous 1-dimensional nanocolumnar structures as effective photonic crystals for perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 4962-4970.	10.3	19
104	Nickelâ€“copper bilayer nanoporous electrode prepared by physical vapor deposition at oblique angles for the non-enzymatic determination of glucose. Sensors and Actuators B: Chemical, 2016, 226, 436-443.	7.8	45
105	Nanostructured Ti thin films by magnetron sputtering at oblique angles. Journal Physics D: Applied Physics, 2016, 49, 045303.	2.8	54
106	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. Talanta, 2016, 146, 410-416.	5.5	45
107	Perspectives on oblique angle deposition of thin films: From fundamentals to devices. Progress in Materials Science, 2016, 76, 59-153.	32.8	564
108	Bragg Reflectors: Flexible Distributed Bragg Reflectors from Nanocolumnar Templates (Advanced) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.3	0

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109	â€œIn situâ€•XPS studies of laser-induced surface nitridation and oxidation of tantalum. Journal of Materials Research, 2015, 30, 2967-2976.	2.6	10
110	Modulating Low Energy Ion Plasma Fluxes for the Growth of Nanoporous Thin Films. Plasma Processes and Polymers, 2015, 12, 719-724.	3.0	9
111	Importance of Poly(lactic-co-glycolic acid) in Scaffolds for Guided Bone Regeneration: A Focused Review. Journal of Oral Implantology, 2015, 41, e152-e157.	1.0	23
112	Physiological Degradation Mechanisms of PLGA Membrane Films under Oxygen Plasma Treatment. Journal of Physical Chemistry C, 2015, 119, 20446-20452.	3.1	12
113	Efficient synthesis of ammonia from N₂and H₂alone in a ferroelectric packed-bed DBD reactor. Plasma Sources Science and Technology, 2015, 24, 065011.	3.1	106
114	Single-step fabrication process of 1-D photonic crystals coupled to nanocolumnar TiO_2 layers to improve DSC efficiency. Optics Express, 2015, 23, A1642.	3.4	25
115	Sonogashira Cross-Coupling and Homocoupling on a Silver Surface: Chlorobenzene and Phenylacetylene on Ag(100). Journal of the American Chemical Society, 2015, 137, 940-947.	13.7	50
116	Microstructure of mixed oxide thin films prepared by magnetron sputtering at oblique angles. Thin Solid Films, 2015, 591, 330-335.	1.8	5
117	Laser Treatment of Ag@ZnO Nanorods as Long-Life-Span SERS Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 2331-2339.	8.0	50
118	â€œIn Operandoâ€•X-ray Absorption Spectroscopy Analysis of Structural Changes During Electrochemical Cycling of WO3 and WxSiyOz Amorphous Electrochromic Thin Film Cathodes. Journal of Physical Chemistry C, 2015, 119, 644-652.	3.1	21
119	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. Sensors and Actuators B: Chemical, 2015, 213, 116-123.	7.8	44
120	Flexible Distributed Bragg Reflectors from Nanocolumnar Templates. Advanced Optical Materials, 2015, 3, 171-175.	7.3	16
121	Porous, robust highly conducting Ni-YSZ thin film anodes prepared by magnetron sputtering at oblique angles for application as anodes and buffer layers in solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 7382-7387.	7.1	31
122	Free-Base Carboxyphenyl Porphyrin Films Using a TiO2 Columnar Matrix: Characterization and Application as NO2 Sensors. Sensors, 2015, 15, 11118-11132.	3.8	28
123	Anisotropic In-Plane Conductivity and Dichroic Gold Plasmon Resonance in Plasma-Assisted ITO Thin Films e-Beam-Evaporated at Oblique Angles. ACS Applied Materials & Interfaces, 2015, 7, 10993-11001.	8.0	15
124	New Copper wide range nanosensor electrode prepared by physical vapor deposition at oblique angles for the non-enzimatic determination of glucose. Electrochimica Acta, 2015, 169, 195-201.	5.2	34
125	Nanocolumnar 1-dimensional TiO₂ photoanodes deposited by PVD-OAD for perovskite solar cell fabrication. Journal of Materials Chemistry A, 2015, 3, 13291-13298.	10.3	24
126	Electrochemical activation of an oblique angle deposited Cu catalyst film for H₂ production. Catalysis Science and Technology, 2015, 5, 2203-2214.	4.1	14

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127	Plasma reforming of methane in a tunable ferroelectric packed-bed dielectric barrier discharge reactor. Journal of Power Sources, 2015, 296, 268-275.	7.8	32
128	Optical properties of zirconium oxynitride films: The effect of composition, electronic and crystalline structures. Applied Surface Science, 2015, 358, 660-669.	6.1	19
129	Osteoconductive Potential of Barrier NanoSiO₂PLGA Membranes Functionalized by Plasma Enhanced Chemical Vapour Deposition. BioMed Research International, 2014, 2014, 1-10.	1.9	13
130	Osteoblasts Interaction with PLGA Membranes Functionalized with Titanium Film Nanolayer by PECVD. In vitro Assessment of Surface Influence on Cell Adhesion during Initial Cell to Material Interaction. Materials, 2014, 7, 1687-1708.	2.9	14
131	Plasma Deposition of Superhydrophobic Ag@TiO₂ Core@shell Nanorods on Processable Substrates. Plasma Processes and Polymers, 2014, 11, 164-174.	3.0	8
132	Back Cover: Plasma Process. Polym. 3â•2014. Plasma Processes and Polymers, 2014, 11, 300-300.	3.0	0
133	Nanoindentation of nanocolumnar TiO2 thin films with single and stacked zig-zag layers. Thin Solid Films, 2014, 550, 444-449.	1.8	20
134	Perovskite Solar Cells Based on Nanocolumnar PlasmaâEĐeposited ZnO Thin Films. ChemPhysChem, 2014, 15, 1148-1153.	2.1	59
135	Mechanisms of Electron Transport and Recombination in ZnO Nanostructures for DyeâESensitized Solar Cells. ChemPhysChem, 2014, 15, 1088-1097.	2.1	22
136	On the Deposition Rates of Magnetron Sputtered Thin Films at Oblique Angles. Plasma Processes and Polymers, 2014, 11, 571-576.	3.0	38
137	Nanocolumnar growth of thin films deposited at oblique angles: Beyond the tangent rule. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	1.2	42
138	c-C₄F₈Plasmas for the Deposition of Fluorinated Carbon Films. Plasma Processes and Polymers, 2014, 11, 289-299.	3.0	10
139	Luminescent 3-hydroxyflavone nanocomposites with a tuneable refractive index for photonics and UV detection by plasma assisted vacuum deposition. Journal of Materials Chemistry C, 2014, 2, 6561-6573.	5.5	16
140	Anchoring effect on (tetra)carboxyphenyl porphyrin/TiO₂composite films for VOC optical detection. RSC Advances, 2014, 4, 1974-1981.	3.6	25
141	The Flexible Surface Revisited: Adsorbate-Induced Reconstruction, Homocoupling, and Sonogashira Cross-Coupling on the Au(100) Surface. Journal of Physical Chemistry C, 2014, 118, 11677-11684.	3.1	31
142	Oxygen Optical Sensing in Gas and Liquids with Nanostructured ZnO Thin Films Based on Exciton Emission Detection. Journal of Physical Chemistry C, 2014, 118, 9852-9859.	3.1	48
143	Low Temperature Production of Formaldehyde from Carbon Dioxide and Ethane by Plasma-Assisted Catalysis in a Ferroelectrically Moderated Dielectric Barrier Discharge Reactor. ACS Catalysis, 2014, 4, 402-408.	11.2	51
144	Bending Induced Self-Organized Switchable Gratings on Polymeric Substrates. ACS Applied Materials & Interfaces, 2014, 6, 11924-11931.	8.0	16

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145	Tuning the transmittance and the electrochromic behavior of CoxSiyOz thin films prepared by magnetron sputtering at glancing angle. Solar Energy Materials and Solar Cells, 2014, 123, 130-138.	6.2	24
146	Liquids Analysis with Optofluidic Bragg Microcavities. ACS Applied Materials & Interfaces, 2013, 5, 6743-6750.	8.0	34
147	Low refractive index SiOF thin films prepared by reactive magnetron sputtering. Thin Solid Films, 2013, 542, 332-337.	1.8	20
148	Differences in n-type doping efficiency between Al- and Ga-ZnO films. Journal of Applied Physics, 2013, 113, .	2.5	64
149	Colored and Transparent Oxide Thin Films Prepared by Magnetron Sputtering: The Glass Blower Approach. ACS Applied Materials & Interfaces, 2013, 5, 1967-1976.	8.0	16
150	Effects of plasma surface treatments of diamond-like carbon and polymeric substrata on the cellular behavior of human fibroblasts. Journal of Biomaterials Applications, 2013, 27, 669-683.	2.4	11
151	Growth of silver on ZnO and SnO2 thin films intended for low emissivity applications. Applied Surface Science, 2013, 268, 507-515.	6.1	47
152	Combined reactive magnetron sputtering and plasma decomposition of non-volatile precursors to grow luminescent thin films. Surface and Coatings Technology, 2013, 222, 144-150.	4.8	7
153	Enhancement of visible light-induced surface photo-activity of nanostructured Nâ€“TiO2 thin films modified by ion implantation. Chemical Physics Letters, 2013, 582, 95-99.	2.6	12
154	Growth regimes of porous gold thin films deposited by magnetron sputtering at oblique incidence: from compact to columnar microstructures. Nanotechnology, 2013, 24, 045604.	2.6	71
155	Growth of SiO₂ and TiO₂ thin films deposited by reactive magnetron sputtering and PECVD by the incorporation of nonâ€directional deposition fluxes. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 796-801.	1.8	15
156	Preparation and characterization of CrO2 films by Low Pressure Chemical Vapor Deposition from CrO3. Thin Solid Films, 2013, 539, 1-11.	1.8	13
157	Vertically Aligned Hybrid Core/Shell Semiconductor Nanowires for Photonics Applications. Advanced Functional Materials, 2013, 23, 5981-5989.	14.9	36
158	Light induced hydrophilicity and osteoblast adhesion promotion on amorphous TiO₂. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1026-1035.	4.0	19
159	Laser induced enhancement of dichroism in supported silver nanoparticles deposited by evaporation at glancing angles. Nanotechnology, 2013, 24, 045301.	2.6	11
160	Tuning Dichroic Plasmon Resonance Modes of Gold Nanoparticles in Optical Thin Films. Advanced Functional Materials, 2013, 23, 1655-1663.	14.9	33
161	Performance of Porous, Nanocolumnar ZnO Electrodes Obtained at Low Temperature by Plasma-Enhanced Chemical Vapor Deposition in Dye-Sensitized Solar Cells. Energy and Environment Focus, 2013, 2, 270-276.	0.3	2
162	Electrochromism in WO_{<I>x</I>} and W_{<I>x</I>}Si_{<I>y</I>}O<SUB><I>z</I></SUB&gt Thin Films Prepared by Magnetron Sputtering at Glancing Angles. Nanoscience and Nanotechnology Letters, 2013, 5, 89-93.	0.4	21

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