CITATION REPORT List of articles citing



DOI: 10.1557/proc-121-717 Materials Research Society Symposia Proceedings, 1988, 121, 717.

Source: https://exaly.com/paper-pdf/19789297/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper IF	Citations
301	Interaction forces of a sharp tungsten tip with molecular films on silicon surfaces. 1990 , 65, 2270-2273	149
300		
299		15
298	•	4
297	Planarization during spin coating. 1992 , 4, 895-903	14
296	Sol-gel lead zirconate-titanate thin films: effect of solution concentration.	1
295	Glycol-based sol-gel process for the fabrication of ferroelectric PZT thin films. 1994 , 2, 605-609	17
294	Damage-resistant sol-gel optical coatings for advanced lasers at CEL-V. 1994 , 2, 695-705	20
293	A new room-temperature deposition technique for optical coatings. 1994 , 3, 23-29	12
292	Microstructure characterization of sol-gel derived PZT films. 1994 , 29, 436-441	14
291	Precursor-derived Covalent Ceramics*. 1995 , 7, 775-787	330
290	Striation-Free, Spin-Coated Sol-Gel Optical Films. 1995 , 78, 2254-2256	31
289	The use of pressure sensitive paints on rotating machinery.	7
288	Dip-coating of ultra-thin liquid lubricant and its control for thin-film magnetic hard disks. 1995 , 31, 2982-2984	43
287	Sol-Gel Methods for Oxide Coatings. 1997 , 12, 963-1015	29
286	Spin Coating. 1997 , 709-734	21
285	On holey polymer grids by condensation/dip-coating/draining/drying. 1997 , 3, 361-362	

(2003-1997)

284	Observing the breathing of silica sol-gel-derived anti-reflection optical coatings. 1997 , 293, 185-195	36
283	Investigations on the angle-dependent dip coating technique (ADDC) for the production of optical filters. 1997 , 8, 1099-1104	19
282	Optical fibre sensor coated with porous silica layers for gas and chemical vapour detection. 1997 , 44, 495-498	54
281	Measurement of the micro mechanical properties of sol-gel TiO 2 films. 1998 , 332, 189-194	39
280	Fibre optic ammonia sensing employing novel near infrared dyes. 1998 , 51, 359-367	33
279	Cracks in Nano-Ceramic thin Layers Produced by Laser Treatments. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 539, 189	
278	Continuous Coating of Oxide Fiber Tows Using Liquid Precursors: Monazite Coatings on Nextel 720 11999 , 82, 2321-2331	67
277	Nanoceramic caotings produced by laser treatment. 1999 , 15, 235-241	7
276	Zeolite membranes Btate of their development and perspective. 2000, 38, 3-24	645
275	Selective dip-coating of chemically micropatterned surfaces. 2000 , 88, 5119-5126	126
274	EXAFS studies on erbium-doped TiO2 and ZrO2 solgel thin films. 2001, 291, 56-77	25
273	Anti-reflection (AR) coatings made by solgel processes: A review. 2001 , 68, 313-336	264
272	Wet film dimensions of capsule walls during dip coating. 2002 , 28, 1059-76	2
271	Fabrication and characterization of ferroelectric oxide thin films. 2002, 309-367	1
270	Novel method for preparing cellulose model surfaces by spin coating. 2003 , 44, 3621-3625	70
269	Control of coating properties by tailored particle interactions: relation between suspension rheology and film structure. 2003 , 225, 49-61	27
268	Dependence of Coating Thickness on Viscosity of Coating Solution Applied to Fruits and Vegetables by Dipping Method. 2003 , 68, 503-510	94
267	Cellulose Model SurfacesSimplified Preparation by Spin Coating and Characterization by X-ray Photoelectron Spectroscopy, Infrared Spectroscopy, and Atomic Force Microscopy. 2003 , 19, 5735-5741	165

266 Sol-gel Processing. **2003**, 72-101

265	Dip Coating Technique. 2004 , 37-48	24
264	Chemical solution deposition of electronic oxide films. 2004 , 7, 433-461	385
263	Interferometric monitoring of dip coating. 2004 , 43, 820-3	9
262	Solgel based anti-reflection coatings on wedged laser rods using a spin coater. 2005, 37, 369-374	9
261	Preparation of stacked organosiloxane bilayers on hydrophilic and hydrophobic silicon substrates by spin coating. 2005 , 488, 124-131	1
260	Formation and tribology properties of polyfluoroalkylmethacrylate film on the magnetic head surface. 2005 , 50, 2385-2390	
259	Lubricant layer formation during the dip-coating process: influence of adsorption and viscous flow mechanisms. 2005 , 18, 279-286	17
258	Optically monitored dip coating as a contactless viscometry method for liquid films. 2005 , 44, 912-5	7
257	Sol-gel production of bioactive nanocoatings for medical applications. Part 1: an introduction. 2006 , 1, 311-9	76
256	Ultrathin film deposition by liquid CO2 free meniscus coating-uniformity and morphology. 2006 , 22, 642-57	22
255	Double optical monitoring of dip coating with a time-varying refractive index. 2006, 45, 1491-4	6
254	Temporal evolution of sulfated zirconia solgel during dip coating: Analysis of mass drainage with time-varying refractive index. 2006 , 352, 5362-5367	4
253	Study of the Carry-over Layer and Its Importance for Wet Processing of Semiconductor Substrates. 2006 , 153, G443	2
252	Spin and dip coating of light-emitting polymer solutions: Matching experiment with modelling. 2006 , 61, 3496-3505	110
251	Sensitivity Characteristics Tuning in Tapered Long-Period Gratings by Nanocoatings. 2007 , 19, 1517-1519	6
250	Deposition of poly[2-(perfluorooctyl)ethyl acrylate] on silicon wafers by the displacement of two immiscible supercritical phases (DISP). 2007 , 43, 139-149	6
249	Innovations in the Development and Application of Edible Coatings for Fresh and Minimally Processed Fruits and Vegetables. 2007 , 6, 60-75	370

248	The effect of film thickness on thermal aerosol generation. 2007 , 24, 336-42	8
247	Coating formulations for microneedles. 2007 , 24, 1369-80	222
246	Measurement of spreading characteristics of molecularly thin lubricant films over grooved solid surfaces based on diffraction simulations. 2007 , 13, 895-904	1
245	Study of the mechanical properties of hybrid coating as a function of their structures using nanoindentation. 2008 , 354, 712-716	15
244	Analysis of dip coating processing parameters by double optical monitoring. 2008 , 47, C185-8	5
243	Spectral behavior of thin film coated cascaded tapered long period gratings in multiple configurations. 2008 , 16, 9765-80	31
242	External Refractive Index Sensitivity of Weakly Tilted Fiber Bragg Gratings With Different Coating Thicknesses. 2008 , 8, 1330-1336	19
241	Molecular sensing by nanoporous crystalline polymers. 2009 , 9, 9816-57	68
240	Chemical interactions and their role in the microphase separation of block copolymer thin films. 2009 , 10, 3671-712	77
239	Laser monitoring of non-Newtonian liquids during dip coating. 2009 , 55, 3052-3055	3
238	Characterization of electrode surface roughness and its impact on ion trap mass analysis. 2009, 44, 353-60	36
237	Long period grating working in transition mode as promising technological platform for label-free biosensing. 2009 , 17, 20039-50	48
236	Modal Transition in Nano-Coated Long Period Fiber Gratings: Principle and Applications to Chemical Sensing. 2009 , 35-75	
235	Synthesis of lanthanum oxide doped photocatalytic nano titanium oxide through aqueous sol g el method for titania multifunctional ultrafiltration membrane. 2010 , 53, 353-358	14
234	Modeling, simulation and fabrication of coated structures using the dip coating technique. 2010 , 65, 6169-6180	11
233	Synthesis and characterization of transparent hydrophobic silica thin films by single step sol g el process and dip coating. 2010 , 496, 436-441	30
232	Applications of YBCO-coated conductors: a focus on the chemical solution deposition method. 2010 , 20, 1836-1845	22
231	Hydrothermal Treatment of a Hematite Film Leads to Highly Oriented Faceted Nanostructures with Enhanced Photocurrents. 2011 , 23, 2051-2061	61

230	Tensile and Thermal Conductivity Properties of Epoxy Nanocomposites Thin Film by Spin Coating Technique. 2011 , 471-472, 1118-1123	2
229	Applications of advanced hybrid organic-inorganic nanomaterials: from laboratory to market. 2011 , 40, 696-753	1060
228	Synthesis of aligned carbon nanotubes. 2011 , 49, 4613-4635	126
227	Evanescent wave long-period fiber grating within D-shaped optical fibers for high sensitivity refractive index detection. 2011 , 152, 196-205	32
226	Responsive polymer welds via solution casting for stabilized self-assembly. 2012 , 4, 6911-6	10
225	Coating of Open Cell Foams. 2012 , 51, 9250-9259	31
224	Pattern formation of colloidal suspensions by dip-coating: An in situ grazing incidence X-ray scattering study. 2012 , 6, 253-255	17
223	Orientation of a bacteriorhodopsin thin film deposited by dip coating technique and its chiral SHG as studied by SHG interference technique. 2012 , 530, 113-119	8
222	Supercritical carbon dioxide swelling of fluorinated and hydrocarbon surfactant templates in mesoporous silica thin films. 2012 , 367, 183-92	7
221	A protein-based biointerfacing route toward label-free immunoassays with long period gratings in transition mode. 2012 , 31, 486-91	33
220	Time-resolved light scattering studies of Spin-coated titanium dioxide. 2013 , 67, 429-435	2
219	Solgel preparation of TiO2 and MgF2 multilayers. 2013 , 67, 436-441	11
218	Protein-Engineered Hydrogels. 2013 , 205-237	1
217	Dynamic PDMS inking for DNA patterning by soft lithography. 2013 , 111, 379-383	7
216	Hydrodynamics and Heat Transfer in a Liquid Film Flowing Over a Spinning Disk With Wall Topography. 2013 , 34, 266-278	1
215	Dynamics, crystallization and structures in colloid spin coating. 2013 , 9, 3220	45
214	Resistive and reactive changes to the impedance of intracortical microelectrodes can be mitigated with polyethylene glycol under acute in vitro and in vivo settings. 2014 , 7, 33	21
213	Direct writing of bio-functional coatings for cardiovascular applications. 2014 , 102, 4290-300	5

(2016-2014)

212	The Role of Physical Techniques on the Preparation of Photoanodes for Dye Sensitized Solar Cells. 2014 , 2014, 1-19	30
211	Optimized TiO2 blocking layer for dye-sensitized solar cells. 2014 , 40, 10727-10735	36
210	Self-assembly of graphene oxide at interfaces. 2014 , 26, 5586-612	273
209	State-of-the-art electrochromic materials based on metallo-supramolecular polymers. 2014 , 126, 68-73	50
208	Transparent conductive oxide electrode dependence of photocurrent characteristics in bacteriorhodopsin photocells. 2014 , 616-617, 6-10	3
207	Novel synthesis of thick wall coatings of titania supported Bi poisoned Pd catalysts and application in selective hydrogenation of acetylene alcohols in capillary microreactors. 2015 , 15, 1952-60	31
206	Effect of hybrid polymer coating of Bioglass foams on mechanical response during tensile loading. 2015 , 114, S63-S69	6
205	Water-based coatings for 3D printed parts. 2015 , 12, 889-897	14
204	Fabrication of silicon doped hematite photoelectrode with enhanced photocurrent density via solution processing of an in-situ TEOS modified precursor. 2015 , 31, 728-738	9
203	Analysis of transparent conductive silver nanowire films from dip coating flow. 2015 , 12, 855-862	19
202	Controlled Deposition of Polymer Coatings on Cylindrical Photonic Devices. 2015 , 33, 176-182	7
201	Dimerization of Rhodamine B in Alumina sol and corresponding dip-coated film. 2015 , 486, 139-144	8
200	Influence of TiO2 nanoparticle synthesis on the properties of thin coatings. 2015 , 574, 20-27	12
199	Inkjet Printing of Silver Electrodes on Top of Reduced Graphene Oxide Layers for Sensor Applications. 2016 ,	
198	Thin films for tissue engineering applications. 2016 , 167-195	7
197	Effect of forming technique BixSiyOzcoatings obtained by sol- gel and supported on 316L stainless steel. 2016 , 687, 012030	O
196	Fabrication of slender elastic shells by the coating of curved surfaces. 2016 , 7, 11155	54
195	A Magnetic Soft Endoscopic Capsule-Inflated Intragastric Balloon for Weight Management. 2016 , 6, 39486	19

194	Fingering instability in the flow of a power-law fluid on a rotating disc. 2016 , 28, 013102	5
193	Nanoparticle-mediated evaporation at liquid∏apor interfaces. 2016 , 7, 90-103	16
192	An open-source equipment for thin film fabrication by electrodeposition, dip coating, and SILAR. 2016 , 87, 2901-2909	3
191	Fabrication and Properties of Spin-Coated Polymer Films. 2016 , 283-306	3
190	Fabricating large-area white OLED lighting panels via dip-coating. 2016, 37, 458-464	25
189	Multilayer (Fuel) Storage Tank. 2016 , 301-324	
188	Escalating opportunities in the field of lighting. 2016 , 64, 727-748	36
187	Comparing morphology in dip-coated and spin-coated polyfluorene:fullerene films. 2016,	4
186	Chapter 1 Multifunctional Coatings for Solar Energy Applications. 2016 , 1-88	
185	Fabrication of Langmuir-Blodgett Film of Surface-Modified ZnO Nanoparticles Prepared by Solution Process. 2016 , 41, 67-70	1
184	1D versus 3D quantum confinement in 1-5 nm ZnO nanoparticle agglomerations for application in charge-trapping memory devices. 2016 , 27, 275205	16
183	Boundary lubrication effect of organic residue left on surface after evaporation of organic cleaning solvent. 2016 , 350-351, 21-26	27
182	Engineered protein coatings to improve the osseointegration of dental and orthopaedic implants. 2016 , 83, 269-82	84
181	Antimicrobial films containing microparticles for the enhancement of long-term sustained release. 2016 , 42, 818-24	4
180	Green-to-Red Electrochromic Fe(II) Metallo-Supramolecular Polyelectrolytes Self-Assembled from Fluorescent 2,6-Bis(2-pyridyl)pyrimidine Bithiophene. 2017 , 56, 1418-1432	40
179	Implementation and characterization of an absorption filter for on-chip fluorescent imaging. 2017 , 242, 318-323	4
178	Magnetoelastic Resonators for Highly Specific Chemical and Biological Detection: A Critical Study. 2017 , 53, 1-4	8
177	Growth of large sized two-dimensional MoS flakes in aqueous solution. 2017 , 9, 6575-6580	15

(2018-2017)

176	2017, 9, 14093-14102	9
175	Assessment of silver nanowires infused with zinc oxide as a transparent electrode for dye-sensitized solar cell applications. 2017 , 139, 1231-1236	22
174	Effect of catalytically active Ce 0.8 Gd 0.2 O 1.9 coating on the heterogeneous combustion of methane within MgO stabilized ZrO 2 porous ceramics. 2017 , 180, 32-39	8
173	All-Solution-Based Aggregation Control in Solid-State Photon Upconverting Organic Model Composites. 2017 , 9, 845-857	19
172	Spin coating deposition on complex geometry substrates: Influence of operative parameters. 2017 , 330, 1-9	14
171	Water-Based Peeling of Thin Hydrophobic Films. 2017 , 119, 154502	23
170	Confinement effects in dip coating. 2017 , 827, 1-30	15
169	Redistribution of valence and conduction band states depending on the method of modification of SiO structure. 2017 , 19, 26201-26209	4
168	The influence of centrifugal forces on friction and wear in rotational sliding. 2017, 116, 256-263	30
167	Preparation and characterization of ZrO2/Y2O3/Al2O3-based microstructured multilayer solgel coatings. 2017 , 43, 14210-14217	4
166	Wearable and Washable Conductors for Active Textiles. 2017 , 9, 25542-25552	84
165	Additively patterned ferroelectric thin films with vertical sidewalls. 2017 , 100, 848-858	
164	Production of chitosan coatings on metal and ceramic biomaterials. 2017 , 255-293	7
163	Fluorescence Properties of Rare-Earth-Doped Sol-Gel Glasses. 2017 ,	1
162	Organic Light-Emitting Diode Fabrication and Characterization Techniques. 2017, 227-252	1
161	Rapid Prototyping of Slot Die Devices for Roll to Roll Production of EL Fibers. 2017 , 10,	9
160	Evaluation of preparation methods for suspended nano-objects on substrates for dimensional measurements by atomic force microscopy. 2017 , 8, 1774-1785	3
159	Highly stretchable and conductive fibers enabled by liquid metal dip-coating. 2018 , 27, 035019	26

158	Enhanced fabrication process for in situ triboluminescent optical fiber sensor for multifunctional composites. 2018 , 121, 240-248	4
157	Colored and semitransparent silver nanoparticle layers deposited by spin coating of silver nanoink. 2018 , 11, 052302	3
156	Film-Free LIFT (FF-LIFT). 2018 , 123-146	
155	Solution processed thin film transistor from liquid phase exfoliated MoS 2 flakes. 2018 , 141, 58-64	18
154	Influence of Exposure Time, Shear Stress, and Surfactants on Detachment of Escherichia coli O157:H7 from Fresh Lettuce Leaf Surfaces During Washing Process. 2018 , 11, 621-633	11
153	Uniaxial Alignment of Conjugated Polymer Films for High-Performance Organic Field-Effect Transistors. 2018 , 30, e1705463	118
152	Polymeric Materials in Coatings for Biomedical Applications. 2018 , 481-518	1
151	Forming three-dimensional closed shapes from two-dimensional soft ribbons by controlled buckling. 2018 , 5, 171962	6
150	Separation and purification using GO and r-GO membranes 2018, 8, 23130-23151	52
149	Broadband antireflective coating stack based on mesoporous silica by acid-catalyzed sol-gel method for concentrated photovoltaic application. 2018 , 186, 154-164	20
148	Manipulation of the Superhydrophobicity of Plasma-Etched Polymer Nanostructures. 2018, 9,	14
147	Structural, dispersion and optical functions studies of UV-irradiated erythrosine B thin films prepared by spin coating technique. 2018 , 124, 1	4
146	Toward Industrial-Scale Production of Perovskite Solar Cells: Screen Printing, Slot-Die Coating, and Emerging Techniques. 2018 , 9, 2707-2713	78
145	Advances in Functional Solution Processed Planar 1D Photonic Crystals. 2018 , 6, 1800730	76
144	Synthesis and characterization of nanostructured MnO-CoO and its relevance as an opto-electronic humidity sensing device 2018 , 8, 20534-20542	12
143	The influence of secondary solvents on the morphology of a spiro-MeOTAD hole transport layer for lead halide perovskite solar cells. 2018 , 51, 294001	14
142	Switchable and Obedient Interfacial Properties That Grant New Biomedical Applications. 2019 , 11, 25637-25	65 3
141	Capillary Sorting of Particles by Dip Coating. 2019 , 12,	11

(2020-2019)

140	Thin-film coating; historical evolution, conventional deposition technologies, stress-state micro/nano-level measurement/models and prospects projection: a critical review. 2019 , 6, 122001	21
139	Planar sucrose substrates for investigating interfaces found in molten chocolate. 2019 , 22, 100128	O
138	Enhancing Plasmonic Photonic Hybrid Cavity Modes by Coupling of Individual Plasmonic Nanoparticles. 2019 , 123, 24255-24262	6
137	Dip-coating of suspensions. 2019 , 15, 252-261	32
136	Programmable transparent organic luminescent tags. 2019 , 5, eaau7310	59
135	Microneedle Coating Methods: A Review with a Perspective. 2019 , 370, 555-569	49
134	Absorption measurement of layers or materials: How to calibrate?. 2019 , 14, 102314	3
133	Structural Color Fibers Directly Drawn from Colloidal Suspensions with Controllable Optical Properties. 2019 , 11, 19388-19396	24
132	Heparin/Collagen Coatings Improve Human Mesenchymal Stromal Cell Response to Interferon Gamma. 2019 , 5, 2793-2803	11
131	Encapsulation of ionic electromechanically active polymer actuators. 2019 , 28, 074002	6
130	Fingering instability on curved substrates: optimal initial film and substrate perturbations. 2019 , 868, 726-761	4
129	Cr-doped BaSnO3 nanoporous thin films with tunable band gap via a facile colloidal solution route. 2019 , 522, 91-98	3
128	Silver nanoparticles with reduced graphene oxide for surface-enhanced vibrational spectroscopy of DNA constituents. 2019 , 9, 1075-1083	1
127	Optical and surface plasmon resonance sensing properties for chitosan/carboxyl-functionalized graphene quantum dots thin film. 2019 , 178, 802-812	35
126	Effect of organic precursor in hybrid solgel coatings for corrosion protection and the application on hot dip galvanised steel. 2019 , 89, 264-283	10
125	Development and characteristics of novel polyglycolic acid (PGA) monofilaments for acupoint catgut-embedding therapy applications. 2019 , 89, 845-854	3
124	Metal oxides for energy applications. 2020 , 471-504	7
123	The limits of edge bead planarization and surface levelling in spin-coated liquid films. 2020 , 30, 025003	4

122	Physical properties and device applications of graphene oxide. 2020 , 15, 1	56
121	Tuning the Microstructure and Thickness of Ceramic Layers with Advanced Coating Technologies Using Zirconia as an Example. 2020 , 22, 2000529	3
120	Entrainment of particles during the withdrawal of a fibre from a dilute suspension. 2020, 903,	8
119	Progress in Materials, Solution Processes, and Long-Term Stability for Large-Area Organic Photovoltaics. 2020 , 32, e2002217	52
118	Development of dual anti-biofilm and anti-bacterial medical devices. 2020 , 8, 3926-3934	8
117	Agglomeration-based nanoparticle fabrication. 2020 , 133-153	O
116	Annealing temperature dependent structural and electrical properties of (Mn,Ni,Co)3O4 thin films. 2020 , 46, 25536-25545	4
115	Variable Angle Spectroscopic Ellipsometry Characterization of Reduced Graphene Oxide Stabilized with Poly(Sodium 4-Styrenesulfonate). 2020 , 10, 743	6
114	Zirconium-Aluminum-Oxide Dielectric Layer with High Dielectric and Relatively Low Leakage Prepared by Spin-Coating and the Application in Thin-Film Transistor. 2020 , 10, 282	8
113	Bow shock clustering in particle-laden wetted cylinder flow. 2020 , 130, 103332	2
112	Nanostructured photoanode materials and their deposition methods for efficient and economical third generation dye-sensitized solar cells: A comprehensive review. 2020 , 129, 109919	29
111	Design of Corrosion Protective and Antistatic Hybrid Sol-Gel Coatings on 6XXX AlMgSi Alloys for Aerospace Application. 2020 , 10, 441	4
110	Thickness measurement of transparent liquid films with Paraxial Self-Reference Interferometry. 2020 , 10, 9240	1
109	Long-Term Evaluation of Dip-Coated PCL-Blend-PEG Coatings in Simulated Conditions. 2020, 12,	9
108	Metal Organic Frameworks-Based Optical Thin Films. 2020,	1
107	Green, Low-Cost, User-Friendly, and Elastomeric (GLUE) Microfluidics. 2020 , 2, 1345-1355	9
106	A new process for customized patient-specific aortic stent graft using 3D printing technique. 2020 , 77, 80-87	9
105	Spin coating of capillary tubes. 2020 , 886,	3

(2021-2019)

104	Multiscale Numerical and Experimental Analysis of Tribological Performance of GO Coating on Steel Substrates. 2019 , 13,	3
103	Advances in In2O3-based materials for the development of hydrogen sulfide sensors. 2021 , 404, 126472	26
102	Preparation of titania-reduced graphene oxide composite coatings with electro- and photosensitive properties. 2021 , 538, 148029	3
101	Surface functionalization of chitosan as a coating material for orthopaedic applications: A comprehensive review. 2021 , 255, 117487	19
100	Influence of cellulose on the thermal conductivity of cellulose based composite thin films. 2021 , 21, 100790	2
99	The tactics of thermoelectric scaffolds with its advancements in engineering applications. 2021 , 60, 1-24	2
98	Anti-Wetting Polymeric Coatings. 2021,	
97	Deposition of thin films by chemical solution-assisted techniques. 2021 , 79-117	4
96	Surface Immobilized Glycopolymers. 2021 , 346-369	О
95	Self-powered nanosensors using nanogenerators. 2021 , 617-647	
95 94	Self-powered nanosensors using nanogenerators. 2021, 617-647 Glasses and Glass-Ceramics Prepared by Soltel. 2021, 695-708	1
		1
94	Glasses and Glass-Ceramics Prepared by Soltiel. 2021, 695-708 Development of a polymer-based antimicrobial coating for efficacious urinary catheter protection.	
94	Glasses and Glass-Ceramics Prepared by Solfiel. 2021, 695-708 Development of a polymer-based antimicrobial coating for efficacious urinary catheter protection. 2021, 2, 1-10 Nanocomposites for Enhanced Osseointegration of Dental and Orthopedic Implants Revisited:	5
94 93 92	Glasses and Glass-Ceramics Prepared by Soltel. 2021, 695-708 Development of a polymer-based antimicrobial coating for efficacious urinary catheter protection. 2021, 2, 1-10 Nanocomposites for Enhanced Osseointegration of Dental and Orthopedic Implants Revisited: Surface Functionalization by Carbon Nanomaterial Coatings. 2021, 5, 23 Review on the recent development of durable superhydrophobic materials for practical	5 3
94 93 92 91	Glasses and Glass-Ceramics Prepared by Solfiel. 2021, 695-708 Development of a polymer-based antimicrobial coating for efficacious urinary catheter protection. 2021, 2, 1-10 Nanocomposites for Enhanced Osseointegration of Dental and Orthopedic Implants Revisited: Surface Functionalization by Carbon Nanomaterial Coatings. 2021, 5, 23 Review on the recent development of durable superhydrophobic materials for practical applications. 2021, 13, 11734-11764	5 3 24
94 93 92 91 90	Glasses and Glass-Ceramics Prepared by Soltel. 2021, 695-708 Development of a polymer-based antimicrobial coating for efficacious urinary catheter protection. 2021, 2, 1-10 Nanocomposites for Enhanced Osseointegration of Dental and Orthopedic Implants Revisited: Surface Functionalization by Carbon Nanomaterial Coatings. 2021, 5, 23 Review on the recent development of durable superhydrophobic materials for practical applications. 2021, 13, 11734-11764 A physics-based statistical model for nanoparticle deposition. 2021, 129, 065303 Influence of roughness and grinding direction on the thickness and adhesion of sol-gel coatings deposited by dip-coating on AZ31 magnesium substrates. A Landaullevich equation revision. 2021,	5 3 24

86	Hollow microneedles: A perspective in biomedical applications. 2021 , 599, 120455	33
85	Large Area Patterning of Nanoparticles and Nanostructures: Current Status and Future Prospects. 2021 , 15, 5861-5875	16
84	Variable-Angle Spectroscopic Ellipsometry of Graphene-Based Films. 2021 , 11, 462	2
83	Degradation Behavior of Polymers Used as Coating Materials for Drug Delivery-A Basic Review. 2021 , 13,	11
82	Metal Doped PVA Films for Opto-Electronics-Optical and Electronic Properties, an Overview. 2021 , 26,	1
81	. 2021 , 21, 12444-12456	O
80	Janus Particle Preparation through UV-Induced Partial Photodegradation of Spin-Coated Particle Films. 2021 , 37, 8167-8176	1
79	Structure Dependent Water Transport in Membranes Based on Two-Dimensional Materials. 2021 , 60, 10917-10959	3
78	Mediation of lubricated air films using spatially periodic dielectrophoretic effect. 2021 , 12, 4289	0
77	Dip-coating flow in the presence of two immiscible liquids. 2021 , 922,	
76	Status review of the science and technology of PZT/diamond heterostructures and their applications. 1	0
75	Two-dimensional graphene oxide based membranes for ionic and molecular separation: Current status and challenges. 2021 , 9, 105605	16
74		
	Contact Angle Hysteresis [Advantages and Disadvantages: A Critical Review. 2021 , 47-67	Ο
73	Contact Angle Hysteresis [Advantages and Disadvantages: A Critical Review. 2021, 47-67 Increasing the Gas Barrier Properties of Polyethylene Foils by Coating with Poly(methyl acrylate)-Grafted Montmorillonite Nanosheets. 2021, 13,	2
	Increasing the Gas Barrier Properties of Polyethylene Foils by Coating with Poly(methyl	
73	Increasing the Gas Barrier Properties of Polyethylene Foils by Coating with Poly(methyl acrylate)-Grafted Montmorillonite Nanosheets. 2021 , 13, Advances in Energy-Efficient Plasmonic Electrochromic Smart Windows Based on Metal Oxide	2
73 72	Increasing the Gas Barrier Properties of Polyethylene Foils by Coating with Poly(methyl acrylate)-Grafted Montmorillonite Nanosheets. 2021, 13, Advances in Energy-Efficient Plasmonic Electrochromic Smart Windows Based on Metal Oxide Nanocrystals. 2100117 Properties of hybrid sol-gel coatings with the incorporation of lanthanum 4-hydroxy cinnamate as	10

68	Basic deposition methods of thin films**. 2021 , 1241, 130606	1
67	Coating of Mg Alloys and Composites. 2022 , 75-86	1
66	Introduction to solar energy and its conversion into electrical energy by using dye-sensitized solar cells. 2021 , 139-178	
65	A comprehensive review on antimicrobial face masks: an emerging weapon in fighting pandemics 2021 , 11, 6544-6576	34
64	Ceramics, Ceramic Processing.	1
63	Optical Coating Fabrication. 1994, 141-158	8
62	Fundamentals and Applications of MAPLE. 2010 , 203-233	6
61	High Resolution Scanning Electron Microscopy Observations of Nano-Ceramics. 1999 , 109-134	2
60	Photovoltaics. 2020 , 246, 00005	5
59	Viscous fingering of a draining suspension. 2018 , 3,	2
58	Morphology in dip-coated blend films for photovoltaics studied by UV/VIS absorption and fluorescence spectroscopy. 2018 ,	1
57	Optical fibre temperature sensor based on thermochromic liquid crystal. 2019,	2
56	Fabrication and Characterization of a Biodegradable Hollow Microneedle from Chitosan. 2020 , 32, 401-407	4
55	Fabrication and Supercapacitor Applications of Multiwall Carbon Nanotube Thin Films. 2021 , 7, 70	4
54	Anti-Reflection Coating. 2021, 323-352	
53	Capillary Coating Technique. 2004 , 57-61	
52	Experimental Methods. 2014 , 33-57	
51	Sol-Gel Technology for French Inertial Confinement Fusion Program. 1998 , 637-647	

50 Nanotechnology for Smart Food Packaging System. **2019**, 57, 14-24

49	Study of the effects of soiling on PV devices using the spin-coating technique in accelerated indoor exposures. 2022 , 231, 317-327	
48	Centrifugally concentric ring-patterned drug-loaded polymeric coating as an intraocular lens surface modification for efficient prevention of posterior capsular opacification. 2021 ,	6
47	Hydrophobic Thin Films from Sol-Gel Processing: A Critical Review. 2021 , 14,	2
46	Graphene applications in Unconventional Machining Processes A review. 2021,	
45	Antimicrobial coatings based on chitosan to prevent implant-associated infections: A systematic review 2021 , 24, 103480	5
44	State of the art and current trends on layered inorganic-polymer nanocomposite coatings for anticorrosion and multi-functional applications. 2022 , 163, 106684	5
43	Construction of model platforms to probe the confinement effect of nanocomposite-enabled water treatment. 2022 , 9, 100229	2
42	Colloidal Quantum Dot Solar Cells: Progressive Deposition Techniques and Future Prospects on Large-area Fabrication 2022 , e2107888	6
41	Overview of Coating Deposition Techniques. 2022 , 1-32	
40	Dip coating of bidisperse particulate suspensions. 2022 , 936,	1
39	Organic PhotovoltaicsINew Renaissance: Advances Toward Roll-to-Roll Manufacturing of Non-Fullerene Acceptor Organic Photovoltaics. 2101556	6
38	Luminescent properties of organicIhorganic hybrid films fabricated by capillary coating technique. 2022 , 128, 1	O
37	Influence of added dye on Marangoni-driven droplet instability. 2022, 7,	O
36	Bone Quantification Around Chitosan-Coated Titanium Dental Implants: A Preliminary Study by Micro-CT Analysis in Jaw of a Canine Model 2022 , 10, 858786	O
35	Overview of the Influence of Silver, Gold, and Titanium Nanoparticles on the Physical Properties of PEDOT:PSS-Coated Cotton Fabrics 2022 , 12,	2
34	Variable Angle Spectroscopic Ellipsometry Characterization of Graphene Oxide in Methanol Films. 2022 , 12, 696	0
33	Solvent-Assisted Self-Assembly of Block Copolymer Thin Films.	1

32 SMN-based catalytic membranes for environmental catalysis. **2022**, 171-196

31	Bioactive Glass-Based Coatings: Concepts for Improving the Biocompatibility of Implantable Materials. 2022 , 293-310	
30	Review of 3D printing in photocatalytic substrates and catalysts. 2022 , 101100	1
29	A critical review of the recent progress on Carbon Nanotubes-based Nanogenerators. 2022 , 113743	4
28	Smart fire-warning materials and sensors: Design principle, performances, and applications. 2022 , 150, 100690	5
27	Solution-Processed VO2 Nanoparticle/Polymer Composite Films for Thermochromic Applications.	
26	A revisit to solution-processed zirconia and its stabilized derivatives as protective coatings for base-stainless steel. 1-35	
25	Group III-V semiconductors as promising nonlinear integrated photonic platforms. 2022, 7,	O
24	The application of coffee-ring effect in analytical chemistry. 2022 , 157, 116752	2
23	Synthesis, photocatalytic degradation and antibacterial properties of selenium or silver doped zinc oxide nanoparticles: A detailed review. 2022 , 8, 100082	2
22	Recent development of membranes modified with natural compounds: Preparation methods and applications in water treatment. 2022 , 302, 122101	О
21	Swirling bioconvective nanofluid flow from a spinning stretchable disk in a permeable medium. 1-33	1
20	Electrical and Optical Characterization of Graphene Oxide and Reduced Graphene Oxide Thin Films. 2022 , 12, 1312	О
19	Review of self-cleaning TiO2 thin films deposited with spin coating. 2022 , 122, 3525-3546	O
18	Gravity-driven coatings on curved substrates: a differential geometry approach. 2022, 949,	О
17	Surface functionality as a key parameter for the conductivity of microwave synthesized CQDs thin films. 2022 , 129, 109366	1
16	Magnetic molecules on surfaces: SMMs and beyond. 2023 , 475, 214858	О
15	Optical Epidermal Mimicry from Ultraviolet to Infrared Wavelengths.	O

14	Study mechanical properties of polyurethane foam coated by chitosan reinforced calcium carbonate with temperature curing variation. 2022 ,	O
13	Recent Progress on MXenes as an Attenuator of Terahertz Radiation.	Ο
12	Dip-coating electromechanically active polymer actuators with SIBS from midblock-selective solvents to achieve full encapsulation for biomedical applications. 2022 , 12,	0
11	Cyclic Voltammetry and Impedance Measurements of Graphene Oxide Thin Films Dip-Coated on n-Type and p-Type Silicon. 2023 , 13, 73	O
10	Sol-Gel Processing of colloid-based optical coatings. 1995 ,	0
9	Self-Assembled Colloidal Gold Nanoparticles as Substrates for Plasmon Enhanced Fluorescence. 1-29	O
8	Alkaline earth metal and lanthanide ethylene glycol carboxylates for metal oxide layer formation by spin coating. 2023 , 301, 127634	0
7	Biointerface Coatings With Structural and Biochemical Properties Modifications of Biomaterials. 2023 , 10,	O
6	Modeling of oil dripping during deep-frying: New highlights to reduce oil uptake in fried products drastically. 2023 , 138, 181-197	0
5	Injectable Devices for Delivery of Liquid or Solid Protein Formulations.	O
4	Tailoring Iridescent Visual Appearance with Disordered Resonant Metasurfaces. 2023, 17, 6362-6372	0
3	Graphene-based 2D materials: recent progress in corrosion inhibition. 2023 , 159-186	O
2	Robust Arduino controlled spin coater using a novel and simple gravity chuck design. 2023, e00422	0
1	Particle laden flows around a circular cylinder from the hydrodynamic to granular regime. 2023 , 104487	O