

# Juan P Espins

## List of Publications by Year in Descending Order

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

203  
papers

5,831  
citations

39  
h-index

65  
g-index

209  
ext. papers

6,241  
ext. citations

4.2  
avg, IF

5.24  
L-index

#	Paper	IF	Citations
203	Plasma engineering of microstructured piezo-Triboelectric hybrid nanogenerators for wide bandwidth vibration energy harvesting. <i>Nano Energy</i> , <b>2021</b> , 91, 106673	17.1	2
202	The Role of the Atmosphere on the Photophysics of Ligand-Free Lead-Halide Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100605	8.1	2
201	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. <i>Nanoscale</i> , <b>2021</b> , 13, 13882-13895	7.7	1
200	Chemistry and Electrocatalytic Activity of Nanostructured Nickel Electrodes for Water Electrolysis. <i>ACS Catalysis</i> , <b>2020</b> , 10, 6159-6170	13.1	25
199	Supported Porous Nanostructures Developed by Plasma Processing of Metal Phthalocyanines and Porphyrins. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 520	5	1
198	Robust label-free Cu <sub>x</sub> Co <sub>y</sub> O <sub>z</sub> electrochemical sensors for hexose detection during fermentation process monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 304, 127360	8.5	2
197	Enhanced Stability of Perovskite Solar Cells Incorporating Dopant-Free Crystalline Spiro-OMeTAD Layers by Vacuum Sublimation. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1901524	21.8	20
196	SiO <sub>x</sub> by magnetron sputtered revisited: Tailoring the photonic properties of multilayers. <i>Applied Surface Science</i> , <b>2019</b> , 488, 791-800	6.7	10
195	Hydrophobicity, Freezing Delay, and Morphology of Laser-Treated Aluminum Surfaces. <i>Langmuir</i> , <b>2019</b> , 35, 6483-6491	4	20
194	2D compositional self-patterning in magnetron sputtered thin films. <i>Applied Surface Science</i> , <b>2019</b> , 480, 115-121	6.7	2
193	Graphene Formation Mechanism by the Electrochemical Promotion of a Ni Catalyst. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11447-11454	13.1	5
192	XPS primary excitation spectra of Zn 2p, Fe 2p, and Ce 3d from ZnO, Fe <sub>2</sub> O <sub>3</sub> , and CeO <sub>2</sub> . <i>Surface and Interface Analysis</i> , <b>2019</b> , 51, 353-360	1.5	15
191	Self-Assembly of the Nonplanar Fe(III) Phthalocyanine Small-Molecule: Unraveling the Impact on the Magnetic Properties of Organic Nanowires. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 879-887	9.6	7
190	Laser-induced coloration of ceramic tiles covered with magnetron sputtered precursor layers. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 102, 1589	3.8	1
189	Origin of Light-Induced Photophysical Effects in Organic Metal Halide Perovskites in the Presence of Oxygen. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 3891-3896	6.4	84
188	Influence of irrigation conditions in the germination of plasma treated Nasturtium seeds. <i>Scientific Reports</i> , <b>2018</b> , 8, 16442	4.9	24
187	Low-Temperature Plasma Processing of Platinum Porphyrins for the Development of Metal Nanostructured Layers. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1601233	4.6	8

186	Energy-Sensitive Ion- and Cathode-Luminescent Radiation-Beam Monitors Based on Multilayer Thin-Film Designs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16313-16320	9.5	8
185	In Situ Determination of the Water Condensation Mechanisms on Superhydrophobic and Superhydrophilic Titanium Dioxide Nanotubes. <i>Langmuir</i> , <b>2017</b> , 33, 6449-6456	4	18
184	Critical Role of Oxygen in Silver-Catalyzed Glaser-Hay Coupling on Ag(100) under Vacuum and in Solution on Ag Particles. <i>ACS Catalysis</i> , <b>2017</b> , 7, 3113-3120	13.1	7
183	Optical properties and electronic transitions of zinc oxide, ferric oxide, cerium oxide, and samarium oxide in the ultraviolet and extreme ultraviolet. <i>Applied Optics</i> , <b>2017</b> , 56, 6611-6621	1.7	8
182	Surface chemistry and germination improvement of Quinoa seeds subjected to plasma activation. <i>Scientific Reports</i> , <b>2017</b> , 7, 5924	4.9	50
181	Formation of Subsurface W <sup>5+</sup> Species in Gasochromic Pt/WO <sub>3</sub> Thin Films Exposed to Hydrogen. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 15719-15727	3.8	28
180	Laser Treatment of Nanoparticulated Metal Thin Films for Ceramic Tile Decoration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24880-6	9.5	7
179	Highly Porous ZnO Thin Films and 1D Nanostructures by Remote Plasma Processing of Zn-Phthalocyanine. <i>Plasma Processes and Polymers</i> , <b>2016</b> , 13, 287-297	3.4	6
178	A Full Vacuum Approach for the Fabrication of Hybrid White-Light-Emitting Thin Films and Wide-Range In Situ Tunable Luminescent Microcavities. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1124-1131	8.1	3
177	In Operando X-ray Absorption Spectroscopy Analysis of Structural Changes During Electrochemical Cycling of WO <sub>3</sub> and W <sub>x</sub> Si <sub>y</sub> O <sub>z</sub> Amorphous Electrochromic Thin Film Cathodes. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 644-652	3.8	20
176	Ultraviolet Pretreatment of Titanium Dioxide and Tin-Doped Indium Oxide Surfaces as a Promoter of the Adsorption of Organic Molecules in Dry Deposition Processes: Light Patterning of Organic Nanowires. <i>Langmuir</i> , <b>2015</b> , 31, 8294-302	4	5
175	New Copper wide range nanosensor electrode prepared by physical vapor deposition at oblique angles for the non-enzymatic determination of glucose. <i>Electrochimica Acta</i> , <b>2015</b> , 169, 195-201	6.7	26
174	Optical properties of zirconium oxynitride films: The effect of composition, electronic and crystalline structures. <i>Applied Surface Science</i> , <b>2015</b> , 358, 660-669	6.7	14
173	In situ XPS studies of laser-induced surface nitridation and oxidation of tantalum. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 2967-2976	2.5	8
172	Influence of thickness and coatings morphology in the antimicrobial performance of zinc oxide coatings. <i>Applied Surface Science</i> , <b>2014</b> , 307, 548-557	6.7	52
171	Reverse osmosis membranes oxidation by hypochlorite and chlorine dioxide: spectroscopic techniques vs. Fujiwara test. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 318-327		7
170	Growth of silver on ZnO and SnO <sub>2</sub> thin films intended for low emissivity applications. <i>Applied Surface Science</i> , <b>2013</b> , 268, 507-515	6.7	34
169	Enhanced reactivity and related optical changes of Ag nanoparticles on amorphous Al <sub>2</sub> O <sub>3</sub> supports. <i>Nanotechnology</i> , <b>2013</b> , 24, 365702	3.4	1

168	The distribution of elements in sequentially prepared MgB <sub>2</sub> on SiC buffered Si substrate and possible pinning mechanisms. <i>Applied Surface Science</i> , <b>2013</b> , 269, 29-32	6.7	5
167	Enhancement of visible light-induced surface photo-activity of nanostructured NiO <sub>2</sub> thin films modified by ion implantation. <i>Chemical Physics Letters</i> , <b>2013</b> , 582, 95-99	2.5	11
166	Preparation and characterization of CrO <sub>2</sub> films by Low Pressure Chemical Vapor Deposition from CrO <sub>3</sub> . <i>Thin Solid Films</i> , <b>2013</b> , 539, 1-11	2.2	9
165	Vertically Aligned Hybrid Core/Shell Semiconductor Nanowires for Photonics Applications. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5981-5989	15.6	33
164	Competing misfit relaxation mechanisms in epitaxial correlated oxides. <i>Physical Review Letters</i> , <b>2013</b> , 110, 107206	7.4	76
163	Analysis of multifunctional titanium oxycarbide films as a function of oxygen addition. <i>Surface and Coatings Technology</i> , <b>2012</b> , 206, 2525-2534	4.4	21
162	Vertical and tilted Ag-NPs@ZnO nanorods by plasma-enhanced chemical vapour deposition. <i>Nanotechnology</i> , <b>2012</b> , 23, 255303	3.4	14
161	Rhodamine 6G and 800 J-heteroaggregates with enhanced acceptor luminescence (HEAL) adsorbed in transparent SiO <sub>2</sub> GLAD thin films. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 7071-82	3.6	14
160	Synthesis, through pyrolysis of aerosols, of YIn <sub>1-x</sub> MnxO <sub>3</sub> blue pigments and their efficiency for colouring glazes. <i>Dyes and Pigments</i> , <b>2011</b> , 91, 501-507	4.6	35
159	Enhanced photoactivity in bilayer films with buried rutile-anatase heterojunctions. <i>ChemPhysChem</i> , <b>2011</b> , 12, 191-6	3.2	18
158	Soft plasma processing of organic nanowires: a route for the fabrication of 1D organic heterostructures and the template synthesis of inorganic 1D nanostructures. <i>Nanoscale</i> , <b>2011</b> , 3, 4554-977	7.7	17
157	Nitridation of nanocrystalline TiO <sub>2</sub> thin films by treatment with ammonia. <i>Thin Solid Films</i> , <b>2011</b> , 519, 3587-3595	2.2	10
156	Synthesis, characterization, and photoactivity of InTaO <sub>4</sub> and In <sub>0.9</sub> Ni <sub>0.1</sub> TaO <sub>4</sub> thin films prepared by electron evaporation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2010</b> , 28, 127-134	2.9	1
155	Air- and light-stable superhydrophobic colored surfaces based on supported organic nanowires. <i>Langmuir</i> , <b>2010</b> , 26, 1487-92	4	21
154	Band Gap Narrowing versus Formation of Electronic States in the Gap in NiO <sub>2</sub> Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 22546-22557	3.8	29
153	Non-destructive depth compositional profiles by XPS peak-shape analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 2757-68	4.4	16
152	Structure and microstructure of EB-PVD yttria thin films grown on Si (111) substrate. <i>Vacuum</i> , <b>2010</b> , 85, 535-540	3.7	3
151	Preparation and structural properties of YBCO films grown on GaN/c-sapphire hexagonal substrate. <i>Applied Surface Science</i> , <b>2010</b> , 256, 5618-5622	6.7	6

150	Epitaxial LSMO films grown on GaAs substrates with MgO buffer layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2009</b> , 206, 1456-1460	1.6	5
149	Wetting angles and photocatalytic activities of illuminated TiO <sub>2</sub> thin films. <i>Catalysis Today</i> , <b>2009</b> , 143, 347-354	5.3	45
148	Study by grazing incident diffraction and surface spectroscopy of amalgams from ancient mirrors. <i>Open Chemistry</i> , <b>2009</b> , 7, 47-53	1.6	7
147	Chemical State of Nitrogen and Visible Surface and Schottky Barrier Driven Photoactivities of N-Doped TiO <sub>2</sub> Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13341-13351	3.8	58
146	Incorporation and thermal evolution of rhodamine 6G dye molecules adsorbed in porous columnar optical SiO <sub>2</sub> thin films. <i>Langmuir</i> , <b>2009</b> , 25, 9140-8	4	28
145	Wetting Angles on Illuminated Ta <sub>2</sub> O <sub>5</sub> Thin Films with Controlled Nanostructure. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3775-3784	3.8	29
144	Nanostructural control in solution-derived epitaxial Ce(1-x)Gd(x)O(2-y) films. <i>Nanotechnology</i> , <b>2008</b> , 19, 395601	3.4	39
143	Influence of the chemical and electronic structure on the electrical behavior of zirconium oxynitride films. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 104907	2.5	56
142	Growth and characterization of the ZnO/ZnS bilayer obtained by chemical spray pyrolysis. <i>Applied Surface Science</i> , <b>2008</b> , 255, 2118-2124	6.7	4
141	In situ XPS studies of laser induced surface cleaning and nitridation of Ti. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 1486-1492	4.4	19
140	Preillumination of TiO <sub>2</sub> and Ta <sub>2</sub> O <sub>5</sub> photoactive thin films as a tool to tailor the synthesis of composite materials. <i>Langmuir</i> , <b>2008</b> , 24, 9460-9	4	36
139	Determination of the hydrogen content in diamond-like carbon and polymeric thin films by reflection electron energy loss spectroscopy. <i>Diamond and Related Materials</i> , <b>2007</b> , 16, 107-111	3.5	32
138	Microstructure and transport properties of ceria and samaria doped ceria thin films prepared by EBE/IBAD. <i>Surface and Coatings Technology</i> , <b>2007</b> , 202, 1256-1261	4.4	20
137	XPS investigation of the reaction of carbon with NO, O <sub>2</sub> , N <sub>2</sub> and H <sub>2</sub> O plasmas. <i>Carbon</i> , <b>2007</b> , 45, 89-96	10.4	191
136	Study of the first nucleation steps of thin films by XPS inelastic peak shape analysis. <i>Surface and Interface Analysis</i> , <b>2007</b> , 39, 331-336	1.5	8
135	Factors that Contribute to the Growth of Ag@TiO <sub>2</sub> Nanofibers by Plasma Deposition. <i>Plasma Processes and Polymers</i> , <b>2007</b> , 4, 515-527	3.4	23
134	Plasma catalysis with perovskite-type catalysts for the removal of NO and CH <sub>4</sub> from combustion exhausts. <i>Journal of Catalysis</i> , <b>2007</b> , 247, 288-297	7.3	44
133	First nucleation steps during deposition of SiO <sub>2</sub> thin films by plasma enhanced chemical vapour deposition. <i>Surface Science</i> , <b>2007</b> , 601, 2223-2231	1.8	10

132	Using ion beams to tune the nanostructure and optical response of co-deposited Ag : BN thin films. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 4614-4620	3	14
131	Elastic and orbital effects on thickness-dependent properties of manganite thin films. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	87
130	Properties of Ru <sub>x</sub> Si <sub>1-x</sub> O <sub>y</sub> Bi Metal Oxide Semiconductor Gate Stack Structures Grown by Atomic Vapor Deposition. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, F176	3.9	2
129	X-ray photoelectron spectroscopy study of the nucleation processes and chemistry of CdS thin films deposited by sublimation on different solar cell substrate materials. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2006</b> , 24, 919-928	2.9	17
128	Type of precursor and synthesis of silicon oxycarbide (SiO <sub>x</sub> CyH) thin films with a surfatron microwave oxygen/argon plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2006</b> , 24, 988-994	2.9	12
127	Faceting of (001) CeO <sub>2</sub> Films: The Road to High Quality TFA-YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Multilayers. <i>Journal of Physics: Conference Series</i> , <b>2006</b> , 43, 138-141	0.3	
126	First stages of growth of cerium oxide deposited on alumina and reduced titania surfaces. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 510-513	1.5	7
125	Correlation between optical properties and electronic parameters for mixed oxide thin films. <i>Surface and Interface Analysis</i> , <b>2006</b> , 38, 752-756	1.5	14
124	Precise determination of metal effective work function and fixed oxide charge in MOS capacitors with high- $\epsilon$ dielectric. <i>Materials Science in Semiconductor Processing</i> , <b>2006</b> , 9, 969-974	4.3	21
123	Characterization of rare earth oxides based MOSFET gate stacks prepared by metal-organic chemical vapour deposition. <i>Materials Science in Semiconductor Processing</i> , <b>2006</b> , 9, 1065-1072	4.3	20
122	Effect of visible light on the water contact angles on illuminated oxide semiconductors other than TiO <sub>2</sub> . <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 2944-2949	6.4	46
121	SiO <sub>2</sub> /TiO <sub>2</sub> thin films with variable refractive index prepared by ion beam induced and plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , <b>2006</b> , 500, 19-26	2.2	57
120	XPS study of interface and ligand effects in supported Cu <sub>2</sub> O and CuO nanometric particles. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 7758-65	3.4	82
119	First nucleation steps of vanadium oxide thin films studied by XPS inelastic peak shape analysis. <i>Applied Surface Science</i> , <b>2005</b> , 252, 189-195	6.7	15
118	XPS analysis of down stream plasma treated wool: Influence of the nature of the gas on the surface modification of wool. <i>Applied Surface Science</i> , <b>2005</b> , 252, 1417-1429	6.7	89
117	Growth of gadolinium oxide films for advanced MOS structure. <i>Microelectronic Engineering</i> , <b>2005</b> , 80, 154-157	2.5	19
116	Growth of ZnS thin films obtained by chemical spray pyrolysis: The influence of precursors. <i>Journal of Crystal Growth</i> , <b>2005</b> , 285, 66-75	1.6	59
115	Electronic state characterization of SiO <sub>x</sub> thin films prepared by evaporation. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 113714	2.5	56

114	An in situ XAS study of Cu/ZrO catalysts under de-NO reaction conditions. <i>Journal of Catalysis</i> , <b>2005</b> , 235, 295-301	7.3	36
113	Morphology and surface-plasmon resonance of silver nanoparticles sandwiched between Si <sub>3</sub> N <sub>4</sub> and BN layers. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 114316	2.5	29
112	Quantification of the H content in diamondlike carbon and polymeric thin films by reflection electron energy loss spectroscopy. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 084101	3.4	47
111	Room temperature synthesis of porous SiO <sub>2</sub> thin films by plasma enhanced chemical vapor deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2004</b> , 22, 1275-1284	2.9	16
110	Surface roughness and island formation effects in ARXPS quantification. <i>Surface and Interface Analysis</i> , <b>2004</b> , 36, 788-792	1.5	29
109	A Novel PECVD Procedure for the Room-Temperature Synthesis of SiO <sub>2</sub> Thin Films with Controlled Porosity. <i>Chemical Vapor Deposition</i> , <b>2004</b> , 10, 17-20		6
108	Growth of lanthanum oxide films for application as a gate dielectric in CMOS technology. <i>Materials Science in Semiconductor Processing</i> , <b>2004</b> , 7, 231-236	4.3	29
107	Monitoring Interface Interactions by XPS at Nanometric Tin Oxides Supported on Al <sub>2</sub> O <sub>3</sub> and Sb <sub>2</sub> O <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9905-9913	3.4	24
106	XRD, XPS and <sup>119</sup> Sn NMR study of tin sulfides obtained by using chemical vapor transport methods. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 175, 359-365	3.3	74
105	The Auger parameter and the study of chemical and electronic interactions at the Sb <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> and Sb <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> interfaces. <i>Surface Science</i> , <b>2003</b> , 537, 228-240	1.8	16
104	Characterization of Sb <sub>2</sub> O <sub>3</sub> subjected to different ion and plasma surface treatments. <i>Surface and Interface Analysis</i> , <b>2003</b> , 35, 256-262	1.5	12
103	Determination of amount of substance for nanometre-thin deposits: consistency between XPS, RBS and XRF quantification. <i>Surface and Interface Analysis</i> , <b>2003</b> , 35, 984-990	1.5	10
102	Are measured values of the Auger parameter always independent of charging effects?. <i>Surface and Interface Analysis</i> , <b>2003</b> , 35, 991-997	1.5	8
101	X-ray photoelectron spectroscopy study of the first stages of ZnO growth and nanostructure dependence of the effects of polarization at ZnO/SiO <sub>2</sub> and ZnO/Al <sub>2</sub> O <sub>3</sub> interfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2003</b> , 21, 1393-1398	2.9	22
100	Ion beam effects in SiO <sub>x</sub> (x. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2002</b> , 187, 465-474	1.2	24
99	Preparation of transparent and conductive Al-doped ZnO thin films by ECR plasma enhanced CVD. <i>Surface and Coatings Technology</i> , <b>2002</b> , 151-152, 289-293	4.4	64
98	Corrosion resistant ZrO <sub>2</sub> thin films prepared at room temperature by ion beam induced chemical vapour deposition. <i>Surface and Coatings Technology</i> , <b>2002</b> , 151-152, 449-453	4.4	17
97	Structure and chemistry of SiO <sub>x</sub> (x. <i>Vacuum</i> , <b>2002</b> , 67, 491-499	3.7	22

96	Oxygen Loss of the Manganite Surface Layer in La <sub>1-x</sub> MnO <sub>3</sub> /Metal Interface. Transport, XPS, and Photoconductivity Measurements. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2002</b> , 15, 579-582		4
95	Degradation of LaMnO <sub>3</sub> surface layer in LaMnO <sub>3</sub> /metal interface. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 859-861	3.4	24
94	Experimental Evidences of New Nitrogen-Containing Phases in Nitrided Steels. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3220-3222	9.6	12
93	X-ray Photoelectron Spectroscopy and Infrared Study of the Nature of Cu Species in Cu/ZrO <sub>2</sub> de-NO <sub>x</sub> Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 10185-10190	3.4	40
92	Interface Effects for Cu, CuO, and Cu <sub>2</sub> O Deposited on SiO <sub>2</sub> and ZrO <sub>2</sub> . XPS Determination of the Valence State of Copper in Cu/SiO <sub>2</sub> and Cu/ZrO <sub>2</sub> Catalysts. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 6921-6929	3.4	465
91	Ar stabilisation of the cubic/tetragonal phases of ZrO <sub>2</sub> in thin films prepared by ion beam induced chemical vapour deposition. <i>Thin Solid Films</i> , <b>2001</b> , 389, 34-42	2.2	33
90	Low temperature synthesis of dense SiO <sub>2</sub> thin films by ion beam induced chemical vapor deposition. <i>Thin Solid Films</i> , <b>2001</b> , 396, 9-15	2.2	37
89	Synthesis of SiO <sub>2</sub> and SiO <sub>x</sub> CyHz thin films by microwave plasma CVD. <i>Thin Solid Films</i> , <b>2001</b> , 401, 150-158.	2	48
88	The chemical state vector: a new concept for the characterization of oxide interfaces. <i>Surface and Interface Analysis</i> , <b>2001</b> , 31, 761-767	1.5	12
87	Room temperature synthesis of SiO <sub>2</sub> thin films by ion beam induced and plasma enhanced CVD. <i>Surface and Coatings Technology</i> , <b>2001</b> , 142-144, 856-860	4.4	12
86	In situ XPS study of the oxygen passivation process in vapour-condensed nanocrystalline iron and cobalt. <i>Scripta Materialia</i> , <b>2001</b> , 44, 2331-2334	5.6	5
85	Near edge x-ray absorption fine structure spectroscopy study of atomic nitrogen implanted in Al <sub>2</sub> O <sub>3</sub> by low energy N <sub>2</sub> <sup>+</sup> bombardment. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 1024-1026	2.9	3
84	Chemical stability of Si <sup>n+</sup> species in SiO <sub>x</sub> (x. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2001</b> , 19, 136-144	2.9	47
83	Electron temperature measurement in a slot antenna 2.45 GHz microwave plasma source. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 410		18
82	Electronic interactions at SiO <sub>2</sub> /M <sub>2</sub> O (M?: Al, Ti) oxide interfaces. <i>Surface Science</i> , <b>2001</b> , 482-485, 680-686.	1.8	16
81	Study of in situ adsorption and intercalation of cobaltocene into SnS <sub>2</sub> single crystals by photoelectron spectroscopy. <i>Surface Science</i> , <b>2001</b> , 477, L295-L300	1.8	5
80	Surface microstructure of MgO deposited on SiO <sub>2</sub> by analysis of plasmon excitations in photoemission experiments. <i>Surface Science</i> , <b>2001</b> , 482-485, 1325-1330	1.8	3
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77	XPS study of oxidation processes of CeO <sub>x</sub> defective layers. <i>Applied Surface Science</i> , <b>2000</b> , 158, 164-171	6.7	211
76	Amorphisation and related structural effects in thin films prepared by ion beam assisted methods. <i>Surface and Coatings Technology</i> , <b>2000</b> , 125, 116-123	4.4	15
75	Characterisation by X-ray absorption spectroscopy of oxide thin films prepared by ion beam-induced CVD. <i>Thin Solid Films</i> , <b>2000</b> , 377-378, 460-466	2.2	11
74	Structure, microstructure and electronic characterisation of the Al <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> interface by electron spectroscopies. <i>Surface Science</i> , <b>2000</b> , 457, 199-210	1.8	51
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