

Serge Palacin

List of Publications by Year in descending order

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146
papers

8,580
citations

53751

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149
docs citations

149
times ranked

11252
citing authors

#	ARTICLE	IF	CITATIONS
1	From Hydrogenases to Noble Metal-Free Catalytic Nanomaterials for H ₂ Production and Uptake. <i>Science</i> , 2009, 326, 1384-1387.	6.0	886
2	Low-platinum and platinum-free catalysts for the oxygen reduction reaction at fuel cell cathodes. <i>Energy and Environmental Science</i> , 2011, 4, 1238.	15.6	805
3	A Janus cobalt-based catalytic material for electro-splitting of water. <i>Nature Materials</i> , 2012, 11, 802-807.	13.3	784
4	Electron transport through a metal-molecule-metal junction. <i>Physical Review B</i> , 1999, 59, 12505-12513.	1.1	549
5	Molecular engineering of a cobalt-based electrocatalytic nanomaterial for H ₂ evolution under fully aqueous conditions. <i>Nature Chemistry</i> , 2013, 5, 48-53.	6.6	349
6	Catalytic activity of cobalt and iron phthalocyanines or porphyrins supported on different carbon nanotubes towards oxygen reduction reaction. <i>Carbon</i> , 2011, 49, 4839-4847.	5.4	270
7	Noncovalent Modification of Carbon Nanotubes with Pyrene-Functionalized Nickel Complexes: Carbon Monoxide Tolerant Catalysts for Hydrogen Evolution and Uptake. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1371-1374.	7.2	254
8	Grafting Polymers on Surfaces: A New Powerful and Versatile Diazonium Salt-Based One-Step Process in Aqueous Media. <i>Chemistry of Materials</i> , 2007, 19, 6323-6330.	3.2	200
9	Electrochemical performance of annealed cobalt-benzotriazole/CNTs catalysts towards the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 21600.	1.3	176
10	Spontaneous Grafting of Diazonium Salts: Chemical Mechanism on Metallic Surfaces. <i>Langmuir</i> , 2012, 28, 11767-11778.	1.6	142
11	Molecule-to-Metal Bonds: Electrografting Polymers on Conducting Surfaces. <i>ChemPhysChem</i> , 2004, 5, 1468-1481.	1.0	121
12	Hydrogen-Bonded Tapes Based on Symmetrically Substituted Diketopiperazines: A Robust Structural Motif for the Engineering of Molecular Solids. <i>Journal of the American Chemical Society</i> , 1997, 119, 11807-11816.	6.6	120
13	Patterning with Magnetic Materials at the Micron Scale. <i>Chemistry of Materials</i> , 1996, 8, 1316-1325.	3.2	104
14	ABS Polymer Electroless Plating through a One-Step Poly(acrylic acid) Covalent Grafting. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1177-1183.	4.0	98
15	Monitoring the formation of TTF dimers by Na ⁺ complexation. <i>Chemical Communications</i> , 2006, , 2233.	2.2	93
16	Facile and tunable functionalization of carbon nanotube electrodes with ferrocene by covalent coupling and π - π -stacking interactions and their relevance to glucose bio-sensing. <i>Journal of Electroanalytical Chemistry</i> , 2010, 641, 57-63.	1.9	87
17	Disulfide- and Thiol-Incorporating Copper Catenanes: Synthesis, Deposition onto Gold, and Surface Studies. <i>Chemistry - A European Journal</i> , 2002, 8, 2153.	1.7	85
18	Univocal Demonstration of the Electrochemically Mediated Binding of Pb ²⁺ by a Modified Surface Incorporating a TTF-Based Redox-Switchable Ligand. <i>Journal of the American Chemical Society</i> , 2004, 126, 12194-12195.	6.6	83

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19	A H ₂ -evolving photocathode based on direct sensitization of MoS ₃ with an organic photovoltaic cell. <i>Energy and Environmental Science</i> , 2013, 6, 2706.	15.6	83
20	Evidence of the Key Role of Metal-Molecule Bonding in Metal-Molecule-Metal Transport Experiments. <i>Physical Review Letters</i> , 2003, 91, 096802.	2.9	81
21	In situ generation of indium catalysts to grow crystalline silicon nanowires at low temperature on ITO. <i>Journal of Materials Chemistry</i> , 2008, 18, 5187.	6.7	81
22	Localized Ligand Induced Electroless Plating (LIEP) Process for the Fabrication of Copper Patterns Onto Flexible Polymer Substrates. <i>Advanced Functional Materials</i> , 2011, 21, 2096-2102.	7.8	79
23	Electron Transport through Rectifying Self-Assembled Monolayer Diodes on Silicon: Fermi-Level Pinning at the Molecule-Metal Interface. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13947-13958.	1.2	76
24	A new approach to grafting a monolayer of oriented Mn ₁₂ nanomagnets on silicon. <i>Chemical Communications</i> , 2005, , 2020.	2.2	75
25	Relationship between polypyrrole morphology and electrochemical activity towards oxygen reduction reaction. <i>Chemical Communications</i> , 2012, 48, 4627.	2.2	75
26	Surface Electroinitiated Emulsion Polymerization: Grafted Organic Coatings from Aqueous Solutions. <i>Chemistry of Materials</i> , 2006, 18, 5421-5428.	3.2	74
27	Electro-reduction of diazonium salts on gold: Why do we observe multi-peaks?. <i>Electrochimica Acta</i> , 2008, 53, 7117-7122.	2.6	72
28	Direct comparison of the electronic coupling efficiency of sulfur and selenium anchoring groups for molecules adsorbed onto gold electrodes. <i>Chemical Physics</i> , 2002, 281, 325-332.	0.9	68
29	Diazonium-induced anchoring process: an application to improve the monovalent selectivity of cation exchange membranes. <i>Journal of Materials Chemistry</i> , 2010, 20, 3750.	6.7	67
30	Covalent grafting onto self-adhesive surfaces based on aryldiazonium salt seed layers. <i>Journal of Materials Chemistry</i> , 2008, 18, 5913.	6.7	65
31	Chemical reactivity in monolayers: study of an amphiphilic tetrapyrroline porphyrin in Langmuir-Blodgett films. <i>The Journal of Physical Chemistry</i> , 1986, 90, 6237-6242.	2.9	63
32	Surface Electroinitiated Emulsion Polymerization (SEEP): A Mechanistic Approach. <i>Chemistry of Materials</i> , 2009, 21, 4261-4274.	3.2	58
33	Langmuir-Blodgett films of thiol-capped gold nanoclusters: fabrication and electrical properties. <i>Thin Solid Films</i> , 1998, 327-329, 515-519.	0.8	56
34	Phthalocyanines in Langmuir and Langmuir-Blodgett films: from molecular design to supramolecular architecture. <i>Advances in Colloid and Interface Science</i> , 2000, 87, 165-181.	7.0	55
35	Metal-Free Nitrogen-Containing Carbon Nanotubes Prepared from Triazole and Tetrazole Derivatives Show High Electrocatalytic Activity towards the Oxygen Reduction Reaction in Alkaline Media. <i>ChemSusChem</i> , 2012, 5, 647-651.	3.6	53
36	Chemical reactivity in organized medium: building up a two-dimensional polymer. <i>Langmuir</i> , 1993, 9, 150-161.	1.6	52

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37	On the structure–properties relationship of the AMV anion exchange membrane. <i>Journal of Membrane Science</i> , 2009, 340, 133-140.	4.1	52
38	Selective Electroless Copper Deposition on Self-Assembled Dithiol Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 584-589.	4.0	52
39	Self-Assembled Mono- and Multilayers on Gold from 1,4-Diisocyanobenzene and Ruthenium Phthalocyanine. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10489-10495.	1.2	51
40	Hybrid molecule-on-silicon nanoelectronics: Electrochemical processes for grafting and printing of monolayers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 325-344.	1.3	51
41	Structural studies of intermolecular interactions in pure and diluted films of a redox-active phthalocyanine. <i>Thin Solid Films</i> , 1988, 159, 83-90.	0.8	49
42	Understanding the Redox-Induced Polymer Grafting Process: A Dual Surface-Solution Analysis. <i>Chemistry of Materials</i> , 2010, 22, 6229-6239.	3.2	48
43	Charge Transfer Evidence between Carbon Nanotubes and Encapsulated Conjugated Oligomers. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11898-11905.	1.5	48
44	Immobilization of FeFe hydrogenase mimics onto carbon and gold electrodes by controlled aryldiazonium salt reduction: an electrochemical, XPS and ATR-IR study. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10790-10796.	3.8	47
45	Polymer Grafting by Inkjet Printing: A Direct Chemical Writing Toolset. <i>Advanced Functional Materials</i> , 2013, 23, 3668-3674.	7.8	45
46	An automatic trough to make alternate layers. <i>Thin Solid Films</i> , 1985, 133, 117-123.	0.8	43
47	Experimental investigations of the electrical transport properties of dodecanethiol and bithiolterthiophene molecules embedded in metal-molecule-metal junctions. <i>Nanotechnology</i> , 1999, 10, 8-13.	1.3	43
48	Carbon-to-metal bonds: Electrochemical reduction of 2-butenenitrile. <i>Surface Science</i> , 2006, 600, 675-684.	0.8	43
49	Microscopic Study of a Ligand Induced Electroless Plating Process onto Polymers. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3043-3051.	4.0	42
50	High In-Plane Anisotropy in Phthalocyanine LB Films. <i>Langmuir</i> , 1996, 12, 6473-6479.	1.6	40
51	Grafting polymers to titania nanoparticles by radical polymerization initiated by diazonium salt. <i>Journal of Materials Science</i> , 2011, 46, 6332-6338.	1.7	40
52	Covalent Grafting of Chitosan onto Stainless Steel through Aryldiazonium Self-Adhesive Layers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9085-9092.	4.0	40
53	Hybrid solar cells based on thin-film silicon and P3HT. <i>EPJ Applied Physics</i> , 2006, 36, 231-234.	0.3	39
54	Supermolecular engineering at the air-water interface: spatially controlled formation of heterodimers from amphiphilic porphyrins and porphyrazines through specific molecular recognition. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7438-7447.	2.9	38

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55	Electrochemical behaviour of polyacrylic acid coated gold electrodes: An application to remove heavy metal ions from wastewater. <i>Electrochimica Acta</i> , 2009, 54, 6089-6093.	2.6	35
56	Conductive-probe AFM characterization of graphene sheets bonded to gold surfaces. <i>Applied Surface Science</i> , 2012, 258, 2920-2926.	3.1	35
57	Electropolymerized poly-4-vinylpyridine for removal of copper from wastewater. <i>Applied Surface Science</i> , 2003, 212-213, 792-796.	3.1	33
58	Localized Electrografting of Vinylic Monomers on a Conducting Substrate by Means of an Integrated Electrochemical AFM Probe. <i>ChemPhysChem</i> , 2009, 10, 1053-1057.	1.0	32
59	Direct comparison of the electronic coupling efficiency of sulfur and selenium alligator clips for molecules adsorbed onto gold electrodes. <i>Applied Surface Science</i> , 2003, 212-213, 446-451.	3.1	31
60	Molecular engineering: highly ordered Langmuir-Blodgett films based on a cobalt phthalocyanine and its axial complexation. <i>The Journal of Physical Chemistry</i> , 1989, 93, 7195-7199.	2.9	30
61	Local silicon doping as a promoter of patterned electrografting of diazonium for directed surface functionalization. <i>Journal of Materials Chemistry</i> , 2008, 18, 3136.	6.7	30
62	Covalent Anchoring of Phthalocyanines on Silicon Dioxide Surfaces: Building up Mono- and Multilayers. <i>Langmuir</i> , 2001, 17, 1928-1935.	1.6	27
63	Surface Homogeneity of Anion Exchange Membranes: A Chronopotentiometric Study in the Overlimiting Current Range. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5829-5836.	1.2	27
64	Tunable grafting of functional polymers onto carbon nanotubes using diazonium chemistry in aqueous media. <i>Journal of Materials Chemistry</i> , 2011, 21, 4615.	6.7	27
65	Direct SECM Localized Electrografting of Vinylic Monomers on a Conducting Substrate. <i>Chemistry of Materials</i> , 2011, 23, 1396-1405.	3.2	27
66	versatile toolset for DNA or protein immobilization: Toward a single-step chemistry. <i>Applied Surface Science</i> , 2011, 257, 3538-3546.	3.1	27
67	Permeation through Lipid Bilayers by Adhesion of Giant Vesicles on Decorated Surfaces. <i>Langmuir</i> , 2000, 16, 6801-6808.	1.6	26
68	On the chemical grafting of titanium nitride by diazonium chemistry. <i>RSC Advances</i> , 2015, 5, 50298-50305.	1.7	25
69	High speed layer by layer patterning of phthalocyanine Langmuir-Blodgett films by the atomic force microscope. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996, 14, 3381.	1.6	23
70	Grafting Ruthenium Phthalocyanine on Gold and Silica: Using Apical Ligands as Linkers. <i>Langmuir</i> , 2000, 16, 1770-1776.	1.6	23
71	Photoinduced charge transfer in semi-amphiphilic porphyrin-phthalocyanine mixed dimers. <i>Thin Solid Films</i> , 1992, 210-211, 150-152.	0.8	22
72	Immobilization of Biomolecules on Electrodes Modified by Electrografted Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13042-13046.	1.2	22

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73	Electro-switchable surfaces for heavy metal waste treatment: Study of polyacrylic acid films grafted on gold surfaces. <i>Electrochemistry Communications</i> , 2008, 10, 699-703.	2.3	22
74	Ultrahigh vacuum deposition of CdSe nanocrystals on surfaces by pulse injection. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 7565-7579.	0.7	21
75	Directed Organic Grafting on Locally Doped Silicon Substrates. <i>ChemPhysChem</i> , 2005, 6, 70-74.	1.0	21
76	Grafting a Monolayer of Superparamagnetic Cyanide-Bridged Coordination Nanoparticles on Si(100). <i>Inorganic Chemistry</i> , 2008, 47, 1898-1900.	1.9	21
77	Towards organic film passivation of germanium wafers using diazonium salts: Mechanism and ambient stability. <i>Chemical Science</i> , 2012, 3, 1662.	3.7	21
78	Highly ordered Langmuir-Blodgett films based on semi-amphiphilic phthalocyanines. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 45-47.	2.0	20
79	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 36, 259-266.	1.6	20
80	Grafting organic polymer films on surfaces of carbon nanotubes by surface electroinitiated emulsion polymerization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1412-1418.	0.8	20
81	Electrochemical-switchable polymer film: An emerging technique for treatment of metallic ion aqueous waste. <i>Separation and Purification Technology</i> , 2009, 69, 135-140.	3.9	20
82	Electronic structure of nitrogen square planar copper complexes in Langmuir-Blodgett films. <i>The Journal of Physical Chemistry</i> , 1992, 96, 7072-7075.	2.9	19
83	Mask-free Localized Grafting of Organic Polymers at the Micrometer or Submicrometer Scale on Composite Conductors or Semiconductor Substrates. <i>Advanced Functional Materials</i> , 2004, 14, 125-132.	7.8	18
84	Tetrathiafulvalene-based podands bearing one or two thiol functions: immobilization as self-assembled monolayers or polymer films, and recognition properties. <i>Tetrahedron</i> , 2006, 62, 4419-4425.	1.0	18
85	Carbon nanotubes/fluorinated polymers nanocomposite thin films for electrical contacts lubrication. <i>Surface Science</i> , 2007, 601, 3687-3692.	0.8	18
86	Force spectroscopy by dynamic atomic force microscopy on bovine serum albumin proteins changing the tip hydrophobicity, with piezoelectric tuning fork self-sensing scanning probe. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 775-783.	4.0	17
87	Picosecond generation of transient charge carriers in Langmuir-Blodgett films of semi-amphiphilic heterodimers. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992, 88, 2529-2535.	1.7	16
88	Crystalline Mono- and Multilayer Self-Assemblies of Oligothiophenes at the Air-Water Interface. <i>Chemistry - A European Journal</i> , 1997, 3, 930-939.	1.7	15
89	Selective Deposition of Langmuir-Blodgett Films of a Phthalocyanine onto Patterned Substrates. <i>Langmuir</i> , 1998, 14, 3967-3970.	1.6	15
90	Fluorinated functionalized EDOT-based conducting films. <i>Electrochimica Acta</i> , 2008, 53, 3779-3788.	2.6	15

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91	Selectivity of organic grafting as a function of the nature of semiconducting substrates. <i>Journal of Electroanalytical Chemistry</i> , 2009, 625, 97-100.	1.9	15
92	Well organized Langmuir-Blodgett films based on push-pull carotenoids. <i>Thin Solid Films</i> , 1989, 178, 387-392.	0.8	14
93	Chemical reactivity at the air/water interface: Redox properties of the tetrapyrridino porphyrinium ring. <i>Colloids and Surfaces</i> , 1991, 52, 123-147.	0.9	14
94	Study of the simultaneous electro-initiated anionic polymerization of vinylic molecules. <i>Journal of Electroanalytical Chemistry</i> , 2006, 586, 62-71.	1.9	14
95	The in situ characterization and structuring of electrografted polyphenylene films on silicon surfaces. An AFM and XPS study. <i>Journal of Colloid and Interface Science</i> , 2008, 328, 308-313.	5.0	14
96	Sequential Growth in Solution of NiFe Prussian Blue coordination network nanolayers on Si(100) surfaces. <i>Dalton Transactions</i> , 2012, 41, 1582-1590.	1.6	14
97	Towards Bidimensional Cellular Automata: Porphyrins and Phthalocyanins in Langmuir-Blodgett Films. <i>Molecular Crystals and Liquid Crystals</i> , 1988, 156, 331-338.	0.4	14
98	Photogeneration of transient charge carriers in an alternate porphyrin-phthalocyanine Langmuir-Blodgett film. <i>Chemical Physics Letters</i> , 1989, 157, 92-96.	1.2	13
99	Pulse potential deposition of thick polyvinylpyridine-like film on the surface of titanium nitride. <i>RSC Advances</i> , 2016, 6, 80825-80829.	1.7	13
100	Synthesis Of 2D polymer from semi-amphiphilic Langmuir-Blodgett (LB) films. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 46, 37-45.	0.6	12
101	Study of the polymers obtained by electroreduction of methacrylonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2001, 505, 33-43.	1.9	12
102	Negative differential resistance in electrografted layer of N-(2-(4-diazoniophenyl)ethyl)-N-hexylnaphthalene-1,8:4,5-tetracarboxydiimide tetrafluoroborate on Si. <i>Chemical Physics Letters</i> , 2010, 493, 135-140.	1.2	12
103	Photoactivated surface grafting from PVDF surfaces. <i>Applied Surface Science</i> , 2011, 257, 9473-9479.	3.1	12
104	Transition from thin gold layers to nano-islands on TCO for catalyzing the growth of one-dimensional nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1429-1434.	0.8	11
105	Growth and density control of nanometric nickel-iron cyanide-bridged objects on functionalized Si(100) surface. <i>Chemical Communications</i> , 2010, 46, 4327.	2.2	11
106	Building Two-Dimensional Polymers by the Langmuir-Blodgett Technique. <i>Thin Films</i> , 1995, , 69-82.	0.2	11
107	3D Amino-Induced Electroless Plating: A Powerful Toolset for Localized Metallization on Polymer Substrates. <i>ChemPhysChem</i> , 2011, 12, 2973-2978.	1.0	10
108	Cyanide-bridged NiCr and alternate NiFe-NiCr magnetic ultrathin films on functionalized Si(100) surface. <i>Dalton Transactions</i> , 2012, 41, 4445.	1.6	10

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109	An Application of Diazonium-Induced Anchoring Process in the Fabrication of Micro-Electromechanical Systems. <i>Advanced Materials Technologies</i> , 2017, 2, 1700159.	3.0	10
110	Localized organic grafting on photosensitive semiconductors substrates. <i>Journal of Electroanalytical Chemistry</i> , 2008, 622, 238-241.	1.9	9
111	Comparison of two "grafting from" techniques for surface functionalization: Cathodic electrografting and surface-initiated atom transfer radical polymerization. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 102-109.	1.9	9
112	Orientation of Mn12 molecular nanomagnets in self-assembled monolayers. <i>CrystEngComm</i> , 2009, 11, 2192.	1.3	9
113	Amino functionalized thin films prepared from Gabriel synthesis applied on electrografted diazonium salts. <i>Journal of Electroanalytical Chemistry</i> , 2012, 677-680, 127-132.	1.9	9
114	Nano-Electrochemistry and Nano-Electrografting with an Original Combined AFM-SECM. <i>Nanomaterials</i> , 2013, 3, 303-316.	1.9	9
115	Supramolecular engineering in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1989, 178, 327-340.	0.8	8
116	Second harmonic generation in mixed carotenoid-fatty acid and carotenoid-cyclodextrin Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992, 210-211, 221-223.	0.8	8
117	Nitrogen dioxide detection using low-conducting Langmuir-Blodgett films. <i>Sensors and Actuators B: Chemical</i> , 1995, 26, 140-143.	4.0	8
118	Tribological and electrical study of fluorinated diazonium films as dry lubricants for electrical contacts. <i>Surface and Interface Analysis</i> , 2008, 40, 802-805.	0.8	8
119	Electrical defect visualization in insulating Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1989, 178, 499-503.	0.8	7
120	Comparison of two means of attachment of an organometallic acid on gold surfaces by combining X-ray photoelectron spectroscopy and IR reflection spectroscopy. <i>Chemical Communications</i> , 1998, , 1727-1728.	2.2	7
121	Cathodic electropolymerization on the surface of carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 589, 46-51.	1.9	7
122	Agarose-based hydrogel as an electrografting cell. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 313-320.	1.5	7
123	Highly polarizable biaryl salts for liquid crystals and nonlinear optics: Synthesis and properties of a phenol/pyridinium triflate. <i>Advanced Materials</i> , 1994, 6, 580-583.	11.1	6
124	Scanning electrochemical microscopy as an etching tool for ITO patterning. <i>Journal of Materials Chemistry</i> , 2011, 21, 15962.	6.7	6
125	VUV grafting: an efficient method for 3D bulk patterning of polymer sheets. <i>Polymer Chemistry</i> , 2014, 5, 2990-2996.	1.9	6
126	Versatility of Aqueous Micellar Solutions for Self-Assembled Monolayers Engineering. <i>Langmuir</i> , 2004, 20, 11577-11582.	1.6	5

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127	Formation of an Adherent Polyacrylonitrile/Carbon Nanotubes Composite Film onto a Polyacrylonitrile Brush Electrografted on Copper. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3404-3410.	0.9	5
128	Localized grafting through chemical lift-off. <i>Applied Surface Science</i> , 2011, 257, 7805-7812.	3.1	5
129	Grafting polyphenyl-like films on metallic surfaces using galvanic anodes. <i>RSC Advances</i> , 2013, 3, 13901.	1.7	5
130	Effects of acid-treated silicon nanowires on hybrid solar cells performance. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 632-637.	3.0	5
131	Nanocomposite Thin Films for Surface Protection in Electrical Contact Applications. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2009, 32, 358-364.	1.4	4
132	Ethanol-Mediated Metal Transfer Printing on Organic Films. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 740-745.	4.0	4
133	Charge transfer in conjugated oligomers encapsulated into carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2560-2563.	0.7	4
134	General Trends for Obtaining Conducting TCNQ Langmuir-Blodgett Films. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 187, 327-334.	0.3	3
135	Molecular Engineering at the Air-Water Interface: Building up Designed Supermolecular Assemblies with Amphiphilic Porphyrins. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 211, 193-198.	0.3	3
136	Synthesis and Langmuir-Blodgett studies of silicon-phthalocyanine oligomers: Potential templates for organizing electroactive monomers. <i>Synthetic Metals</i> , 1999, 102, 1521-1522.	2.1	3
137	Electrical Conduction Properties of Molecular Ultrathin Layers in a Nanocontact. , 2010, , .		3
138	Graftfast<sup>g&t;Â©</sup>: Towards the Control of Surface Properties of any Type of Materials by the Grafting of Polymers. <i>Advanced Materials Research</i> , 0, 445, 797-802.	0.3	3
139	Electronic structure of nitrogen square planar copper complexes in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992, 210-211, 519-520.	0.8	2
140	Optical properties of transient charge carriers photogenerated on afemtosecond-to-nanosecond time scale in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994, 242, 92-95.	0.8	1
141	Supramolecular architecture in Langmuir-Blodgett films â€œmolecular thick conducting membranesâ€•. <i>Synthetic Metals</i> , 1995, 71, 2017-2018.	2.1	1
142	Multi-Walled Carbon Nanotube Based Sensors for Selective Detection of Chemical Pollutants. <i>Key Engineering Materials</i> , 2011, 495, 298-301.	0.4	1
143	Localized Electrografting of Diazonium Salts in the SECM Environment. <i>Materials Science Forum</i> , 0, 730-732, 221-226.	0.3	1
144	Investigation of Nanoelectrodes by Transmission Electron Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2001, 676, 691.	0.1	0

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145	Low-temperature growth of nano-structured silicon thin films on ITO initiated by metal catalysts. Thin Solid Films, 2009, 517, 6405-6408.	0.8	0
146	Supramolecular Architecture in Langmuir-Blodgett Films. , 1997, , 141-152.		0