Philippe Decorse

List of Publications by Year in descending order

26 papers	830 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1210 citing authors

#	Article	IF	Citations
1	Sensitized Photografting of Diazonium Salts by Visible Light.. Chemistry of Materials, 2013, 25, 90-97.	6.7	61
2	One step synthesis of highly ordered free standing flexible polypyrrole-silver nanocomposite films at airâ€“water interface by photopolymerization. RSC Advances, 2013, 3, 13329.	3.6	56
3	Functionalization of Aluminum Nanoparticles Using a Combination of Aryl Diazonium Salt Chemistry and Iniferter Method. Journal of Physical Chemistry C, 2013, 117, 26000-26006.	3.1	56
4	Electrochemical investigation of free-standing polypyrroleâ€“silver nanocomposite films: a substrate free electrode material for supercapacitors. RSC Advances, 2013, 3, 24567.	3.6	55
5	Tailoring the Surface Chemistry of Gold Nanorods through Auâ€“C/Agâ€“C Covalent Bonds Using Aryl Diazonium Salts. Journal of Physical Chemistry C, 2014, 118, 19098-19105.	3.1	54
6	Photocatalytic activity of TiO2 nanofibers sensitized with ZnS quantum dots. RSC Advances, 2013, 3, 2572.	3.6	52
7	One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. Journal of Colloid and Interface Science, 2013, 393, 130-137.	9.4	49
8	Diazonium Salt-Derived 4-(Dimethylamino)phenyl Groups as Hydrogen Donors in Surface-Confined Radical Photopolymerization for Bioactive Poly(2-hydroxyethyl methacrylate) Grafts. Langmuir, 2012, 28, 8035-8045.	3.5	44
9	Water-soluble plasmonic nanosensors with synthetic receptors for label-free detection of folic acid. Chemical Communications, 2015, 51, 9678-9681.	4.1	42
10	Some Theoretical and Experimental Insights on the Mechanistic Routes Leading to the Spontaneous Grafting of Gold Surfaces by Diazonium Salts. Langmuir, 2017, 33, 8730-8738.	3.5	41
11	Electron transfer properties of a monolayer of hybrid polyoxometalates on silicon. Journal of Materials Chemistry C, 2015, 3, 6266-6275.	5.5	36
12	Surface Organization of Polyoxometalate Hybrids Steered by a 2D Supramolecular PTCDI/Melamine Network. Journal of Physical Chemistry C, 2016, 120, 2837-2845.	3.1	30
13	Micro-patterned anti-icing coatings with dual hydrophobic/hydrophilic properties. Journal of Materials Chemistry A, 2018, 6, 19353-19357.	10.3	30
14	Regioselective surface functionalization of lithographically designed gold nanorods by plasmon-mediated reduction of aryl diazonium salts. Chemical Communications, 2017, 53, 11364-11367.	4.1	29
15	Alkyl-Modified Gold Surfaces: Characterization of the Auâ€“C Bond. Langmuir, 2018, 34, 11264-11271.	3.5	26
16	Grafting of polymeric platforms on gold by combining the diazonium salt chemistry and the photoiniferter method. Polymer, 2015, 57, 12-20.	3.8	23
17	Preparation of MIP grafts for quercetin by tandem aryl diazonium surface chemistry and photopolymerization. Mikrochimica Acta, 2013, 180, 1411-1419.	5.0	21
18	Tailoring the Shape of Anisotropic Coreâ€“Shell Auâ€“Ag Nanoparticles in Dimethyl Sulfoxide. Chemistry of Materials, 2019, 31, 2741-2749.	6.7	21

#	Article	IF	Citations
19	Grafting of an aluminium surface with organic layers. RSC Advances, 2016, 6, 78369-78377.	3.6	18
20	Grafting polymerâ€“protein bioconjugate to boron-doped diamond using aryl diazonium coupling agents. Diamond and Related Materials, 2013, 40, 60-68.	3.9	17
21	Photoelectrochemical properties of ZnS- and CdS-TiO2 nanostructured photocatalysts: Aqueous sulfidation as a smart route to improve catalyst stability. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 356, 489-501.	3.9	16
22	Diazonium salt chemistry for the design of nano-textured anti-icing surfaces. Chemical Communications, 2018, 54, 8983-8986.	4.1	16
23	Simultaneous Photografting of Two Organic Groups on a Gold Surface by using Arylazo Sulfones as Single Precursors. Langmuir, 2020, 36, 2786-2793.	3.5	14
24	Powerful Surface Chemistry Approach for the Grafting of Alkyl Multilayers on Aluminum Nanoparticles. Langmuir, 2015, 31, 6092-6098.	3.5	9
25	TiO₂ nanofibers supported on Ti sheets prepared by hydrothermal corrosion: effect of the microstructure on their photochemical and photoelectrochemical properties. RSC Advances, 2015, 5, 95038-95046.	3.6	8
26	Electrografting of methylamine through Câ€“H activation or oxidation to give highly aminated surfaces. Electrochimica Acta, 2020, 345, 136170.	5.2	6