Mohamed M Chehimi

List of Publications by Year
in descending order

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270 papers	10,629 citations	30070 54 h-index	56724 83 g-index
330 all docs	330 docs citations	330 times ranked	10760 citing authors

#	Article	IF	Citations
1	Aryl diazonium salts: a new class of coupling agents for bonding polymers, biomacromolecules and nanoparticles to surfaces. Chemical Society Reviews, 2011, 40, 4143.	38.1	442
2	Electrochemical Oxidation of Aliphatic Amines and Their Attachment to Carbon and Metal Surfaces. Langmuir, 2004, 20, 8243-8253.	3.5	408
3	Organic Layers Bonded to Industrial, Coinage, and Noble Metals through Electrochemical Reduction of Aryldiazonium Salts. Chemistry of Materials, 2003, 15, 3450-3462.	6.7	262
4	Covalent Modification of Iron Surfaces by Electrochemical Reduction of Aryldiazonium Salts. Journal of the American Chemical Society, 2001, 123, 4541-4549.	13.7	237
5	Nanocomposites of Gold Nanoparticles@Molecularly Imprinted Polymers: Chemistry, Processing, and Applications in Sensors. Chemistry of Materials, 2015, 27, 5464-5478.	6.7	161
6	X-ray Photoelectron Spectroscopy Evidence for the Covalent Bond between an Iron Surface and Aryl Groups Attached by the Electrochemical Reduction of Diazonium Salts. Langmuir, 2003, 19, 6333-6335.	3.5	159
7	The Electrochemical Reduction of Diazonium Salts on Iron Electrodes. The Formation of Covalently Bonded Organic Layers and Their Effect on Corrosion. Chemistry of Materials, 2002, 14, 392-400.	6.7	147
8	Functionalization of nanomaterials with aryldiazonium salts. Advances in Colloid and Interface Science, 2015, 225, 16-36.	14.7	139
9	Rheological Properties of Covalent Adaptable Networks with 1,2,3-Triazolium Cross-Links: The Missing Link between Vitrimers and Dissociative Networks. Macromolecules, 2020, 53, 1884-1900.	4.8	131
10	Uptake of copper ions by carbon fiber/polymer hybrids prepared by tandem diazonium salt chemistry and in situ atom transfer radical polymerization. Carbon, 2010, 48, 2106-2111.	10.3	119
11	Thermo-induced Electromagnetic Coupling in Gold/Polymer Hybrid Plasmonic Structures Probed by Surface-Enhanced Raman Scattering. ACS Nano, 2010, 4, 6491-6500.	14.6	119
12	Protein-Functionalized Hairy Diamond Nanoparticles. Langmuir, 2009, 25, 9633-9638.	3.5	110
13	Preparation and characterisation of gold nanoparticle assemblies on silanised glass plates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 218, 225-239.	4.7	105
14	Hydrophobic Proteinâ^'Polypyrrole Interactions:â€‰ The Role of van der Waals and Lewis Acidâ^'Base Forces As Determined by Contact Angle Measurements. Langmuir, 2002, 18, 1150-1156.	3.5	103
15	Hairy Carbon Nanotube@Nano-Pd Heterostructures: Design, Characterization, and Application in Suzuki Câ^'C Coupling Reaction. Langmuir, 2010, 26, 16115-16121.	3.5	102
16	H2S sensing using in situ photo-polymerized polyanilineâ€“silver nanocomposite films on flexible substrates. Organic Electronics, 2014, 15, 71-81.	2.6	102
17	DNA adsorption onto conducting polypyrrole. Synthetic Metals, 1997, 87, 97-103.	3.9	100
18	Surface Characterization of Polypyrrole-Coated Polystyrene Latex by X-ray Photoelectron Spectroscopy. Langmuir, 1996, 12, 3245-3251.	3.5	99

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19	Novel Approach for Metallic Surface-Initiated Atom Transfer Radical Polymerization Using Electrografted Initiators Based on Aryl Diazonium Salts. Langmuir, 2005, 21, 4686-4694.	3.5	99
20	Synthesis and interfacial properties of montmorillonite/polypyrrole nanocomposites. Polymer, 2006, 47, 569-576.	3.8	99
21	The determination of the surface energy of conducting polymers by inverse gas chromatography at infinite dilution. Synthetic Metals, 1999, 104, 51-59.	3.9	98
22	Synthesis and Characterization of Active Ester-Functionalized Polypyrroleâ˜Silica Nanoparticles:Â Application to the Covalent Attachment of Proteins. Langmuir, 2004, 20, 3350-3356.	3.5	95
23	Adsorption of aminopropyltriethoxy silane on quartz: an XPS and contact angle measurements study. International Journal of Adhesion and Adhesives, 1996, 16, 227-232.	2.9	94
24	Inverse Opals of Molecularly Imprinted Hydrogels for the Detection of Bisphenol A and pH Sensing. Langmuir, 2012, 28, 1005-1012.	3.5	91
25	Surface Characterization of Polyaniline-Coated Polystyrene Latexes. Langmuir, 1998, 14, 5032-5038.	3.5	89
26	Polymer-immobilized nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 439, 43-68.	4.7	84
27	Grafting densely-packed poly(n-butyl methacrylate) chains from an iron substrate by aryl diazonium surface-initiated ATRP: XPS monitoring. Surface Science, 2007, 601, 2357-2366.	1.9	79
28	Atom transfer radical polymerization (ATRP) initiated by aryl diazonium salts: a new route for surface modification of multiwalled carbon nanotubes by tethered polymer chains. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 287, 217-221.	4.7	78
29	Flexible H2S sensor based on gold modified polycarbazole films. Sensors and Actuators B: Chemical, 2014, 200, 227-234.	7.8	78
30	Photo-induced synthesis of polypyrrole-silver nanocomposite films on N-(3-trimethoxysilylpropyl)pyrrole-modified biaxially oriented polyethylene terephthalate flexible substrates. RSC Advances, 2013, 3, 5506.	3.6	76
31	Montmorillonite/polypyrrole nanocomposites. The effect of organic modification of clay on the chemical and electrical properties. Materials Science and Engineering C, 2006, 26, 306-313.	7.3	75
32	Aryl diazonium salt surface chemistry and ATRP for the preparation of molecularly imprinted polymer grafts on gold substrates. Surface and Interface Analysis, 2010, 42, 1050-1056.	1.8	75
33	Anti-fouling poly(2-hydoxyethyl methacrylate) surface coatings with specific bacteria recognition capabilities. Surface Science, 2009, 603, 2422-2429.	1.9	72
34	Cement pasteâ€“epoxy adhesive interactions. Construction and Building Materials, 2011, 25, 411-423.	7.2	69
35	Highly Hydrophilic Surfaces from Polyglycidol Grafts with Dual Antifouling and Specific Protein Recognition Properties. Langmuir, 2011, 27, 9285-9294.	3.5	68
36	Latex and Hollow Particles of Reactive Polypyrrole:Â Preparation, Properties, and Decoration by Gold Nanospheres. Langmuir, 2006, 22, 10163-10169.	3.5	67

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37	Site-specific immobilisation of gold nanoparticles on a porous monolith surface by using a thiolâ€“yne click photopatterning approach. Chemical Communications, 2012, 48, 7486.	4.1	67
38	Electrochemical impedimetric sensor based on molecularly imprinted polymers/solâ€“gel chemistry for methidathion organophosphorous insecticide recognition. Talanta, 2014, 130, 294-298.	5.5	66
39	A study of the degradation and stability of polypyrrole by inverse gas chromatography, X-ray photoelectron spectroscopy, and conductivity measurements. Synthetic Metals, 2004, 145, 15-22.	3.9	62
40	A General Approach Combining Diazonium Salts and Click Chemistries for Gold Surface Functionalization by Nanoparticle Assemblies. Langmuir, 2010, 26, 3975-3980.	3.5	61
41	Sensitized Photografting of Diazonium Salts by Visible Light.. Chemistry of Materials, 2013, 25, 90-97.	6.7	61
42	The surface chemistry and acidâ€“base properties of a PAN-based carbon fibre. Carbon, 2000, 38, 675-689.	10.3	60
43	Electrografted Aryl Diazonium Initiators for Surface-Confined Photopolymerization: A New Approach to Designing Functional Polymer Coatings. Langmuir, 2010, 26, 11830-11840.	3.5	59
44	Surface modification of polymers by reduction of diazonium salts: polymethylmethacrylate as an example. Journal of Materials Chemistry C, 2014, 2, 356-363.	5.5	59
45	Room temperature detection of H2S by flexible goldâ€“cobalt phthalocyanine heterojunction thin films. Sensors and Actuators B: Chemical, 2015, 206, 653-662.	7.8	59
46	Sonochemical synthesis of FeO@NH-mesoporous silica@Polypyrrole/Pd: A core/double shell nanocomposite for catalytic applications. Ultrasonics Sonochemistry, 2018, 41, 551-561.	8.2	59
47	Rational synthesis, characterization, and application of environmentally friendly (polymerâ€“carbon) Tj ETQq1 1 0.784314 rgBT /Over Sciences Europe, 2020, 32, .	5.5	59
48	Determination of acidâ€“base properties of solid materials by inverse gas chromatography at infinite dilution. A novel empirical method based on the dispersive contribution to the heat of vaporization of probes. Journal of Materials Chemistry, 1994, 4, 741-745.	6.7	58
49	Magnetic Fe2O3â^'Polystyrene/PPy Core/Shell Particles:â€‰ Bioreactivity and Self-Assembly. Langmuir, 2007, 23, 10940-10949.	3.5	57
50	Electroless ultrasonic functionalization of diamond nanoparticles using aryl diazonium salts. Diamond and Related Materials, 2008, 17, 1881-1887.	3.9	57
51	Mesoporous silica/polyacrylamide composite: Preparation by UV-graft photopolymerization, characterization and use as Hg(II) adsorbent. Applied Surface Science, 2016, 367, 181-189.	6.1	57
52	Clay/Polyaniline Hybrid through Diazonium Chemistry: Conductive Nanofiller with Unusual Effects on Interfacial Properties of Epoxy Nanocomposites. Langmuir, 2016, 32, 3514-3524.	3.5	57
53	Chitosan-Ag-TiO2 films: An effective photocatalyst under visible light. Carbohydrate Polymers, 2018, 199, 31-40.	10.2	57
54	XPS, NMR and FTIR structural characterization of polysiloxane-immobilized amine ligand systems. Journal of Non-Crystalline Solids, 2000, 275, 142-146.	3.1	56

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55	Surface functionalization of ultrananocrystalline diamond using atom transfer radical polymerization (ATRP) initiated by electro-grafted aryldiazonium salts. Diamond and Related Materials, 2006, 15, 639-644.	3.9	56
56	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
57	Introduction of a planar defect in a molecularly imprinted photonic crystal sensor for the detection of bisphenol A. Journal of Colloid and Interface Science, 2011, 364, 18-23.	9.4	55
58	Highly temperature responsive coreâ€“shell magnetic particles: Synthesis, characterization and colloidal properties. Journal of Colloid and Interface Science, 2011, 360, 556-564.	9.4	55
59	Electrochemical investigation of free-standing polypyrroleâ€“silver nanocomposite films: a substrate free electrode material for supercapacitors. RSC Advances, 2013, 3, 24567.	3.6	55
60	Tandem diazonium salt electroreduction and click chemistry as a novel, efficient route for grafting macromolecules to gold surface. Surface Science, 2009, 603, 3205-3211.	1.9	54
61	Characterization of conducting polymers by inverse gas chromatography Part II. Effect of dopant on the dispersive and specific properties of polypyrrole. Synthetic Metals, 1993, 60, 183-194.	3.9	52
62	Photonic crystal pH sensor containing a planar defect for fast and enhanced response. Journal of Materials Chemistry, 2011, 21, 13052.	6.7	52
63	Molecularly imprinted polypyrrole films: Some key parameters for electrochemical picomolar detection of dopamine. Journal of Electroanalytical Chemistry, 2012, 685, 21-27.	3.8	52
64	Highly Selective Polypyrrole MIP-Based Gravimetric and Electrochemical Sensors for Picomolar Detection of Glyphosate. Sensors, 2017, 17, 2586.	3.8	52
65	Flexible organic semiconductor thin films. Journal of Materials Chemistry C, 2015, 3, 8468-8479.	5.5	51
66	Stabilization of nano-structured ZnO particles onto the surface of cotton fibers using different surfactants and their antimicrobial activity. Ultrasonics Sonochemistry, 2017, 38, 478-487.	8.2	51
67	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
68	The efficacy of surfactants in stabilizing coating of nano-structured CuO particles onto the surface of cotton fibers and their antimicrobial activity. Materials Chemistry and Physics, 2018, 215, 221-228.	4.0	49
69	Synthesis, Characterization and Applications of Immobilized Iminodiacetic Acid-Modified Silica. Journal of Sol-Gel Science and Technology, 2003, 28, 255-265.	2.4	47
70	Core/shell, protuberance-free multiwalled carbon nanotube/polyaniline nanocomposites via interfacial chemistry of aryl diazonium salts. Journal of Colloid and Interface Science, 2014, 418, 185-192.	9.4	47
71	Gold-decorated polymeric monoliths: In-situ vs ex-situ immobilization strategies and flow through catalytic applications towards nitrophenols reduction. Polymer, 2015, 77, 218-226.	3.8	47
72	Diazonium-based ion-imprinted polymer/clay nanocomposite for the selective extraction of lead (II) ions in aqueous media. European Polymer Journal, 2017, 89, 367-380.	5.4	47

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73	XPS study of the adsorption mechanisms of DNA onto polypyrrole particles. Spectroscopy, 2004, 18, 519-535.	0.8	46
74	Quartz crystal microbalance VOCs sensor based on dip coated polyaniline emeraldine salt thin films. Sensors and Actuators B: Chemical, 2014, 203, 647-654.	7.8	45
75	Adsorption of DNA onto Polypyrroleâ€“Silica Nanocomposites. Journal of Colloid and Interface Science, 1997, 192, 269-273.	9.4	44
76	Surface properties and conductivity of bis(2-ethylhexyl) sulfosuccinate-containing polypyrrole. Applied Surface Science, 2005, 249, 303-314.	6.1	44
77	Design of molecularly imprinted polymer grafts with embedded gold nanoparticles through the interfacial chemistry of aryl diazonium salts. Polymer, 2011, 52, 4463-4470.	3.8	44
78	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
79	Diazonium Cation-Exchanged Clay: An Efficient, Unfrequented Route for Making Clay/Polymer Nanocomposites. Langmuir, 2013, 29, 13323-13328.	3.5	44
80	Surface and interface physicochemical aspects of intercalated organo-bentonite. International Journal of Adhesion and Adhesives, 2014, 50, 204-210.	2.9	43
81	Modification of Indium Tin Oxide Films by Alkanethiol and Fatty Acid Self-Assembled Monolayers:Â A Comparative Study. Langmuir, 2006, 22, 3118-3124.	3.5	42
82	The preparation and properties of sodium and organomodified-montmorillonite/polypyrrole composites: A comparative study. Synthetic Metals, 2007, 157, 347-357.	3.9	42
83	Electro- and Photografting of Carbon or Metal Surfaces by Alkyl Groups. Journal of Physical Chemistry C, 2008, 112, 18559-18565.	3.1	42
84	Study of DNA adsorption on polypyrrole: interest of dielectric monitoring. Sensors and Actuators B: Chemical, 2000, 62, 35-42.	7.8	41
85	Conductive polymer-coated textiles: The role of fabric treatment by pyrrole-functionalized triethoxysilane. Synthetic Metals, 2007, 157, 914-923.	3.9	40
86	Phospholipid decoration of microcapsules containing perfluorooctyl bromide used as ultrasound contrast agents. Biomaterials, 2009, 30, 1462-1472.	11.4	40
87	A versatile route for surface modification of carbon, metals and semi-conductors by diazonium salt-initiated photopolymerization. Surface Science, 2011, 605, 1889-1899.	1.9	40
88	Use of aminosilane coupling agent in the synthesis of conducting, hybrid polypyrrole-silica gel particles. Surface and Interface Analysis, 1998, 26, 689-698.	1.8	39
89	Standardization and validation of a protocol of zeta potential measurements by electrophoretic light scattering for nanomaterial characterization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 218-231.	4.7	38
90	Poly(glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites. European Polymer Journal, 2015, 72, 89-101.	5.4	38

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91	Facile functionalization of cotton with nanostructured silver/titania for visible-light plasmonic photocatalysis. Journal of Colloid and Interface Science, 2017, 507, 83-94.	9.4	37
92	Anti-corrosive and oil sensitive coatings based on epoxy/polyaniline/magnetite-clay composites through diazonium interfacial chemistry. Scientific Reports, 2018, 8, 13369.	3.3	37
93	Characterisation of the surface thermodynamic properties of cement components by inverse gas chromatography at infinite dilution. Cement and Concrete Research, 2006, 36, 305-319.	11.0	36
94	Aryl diazonium salt surface chemistry and graft photopolymerization for the preparation of molecularly imprinted polymer biomimetic sensor layers. Electrochimica Acta, 2012, 73, 45-52.	5.2	36
95	Novel, ternary clay/polypyrrole/silver hybrid materials through in situ photopolymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 439, 193-199.	4.7	36
96	Interfacial physicochemical properties of functionalized conducting polypyrrole particles. Polymer, 2005, 46, 1339-1346.	3.8	35
97	Surface energetics of cementitious materials and their wettability by an epoxy adhesive. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 286, 78-91.	4.7	35
98	Interfacial chemistry of epoxy adhesives on hydrated cement paste. Surface and Interface Analysis, 2008, 40, 146-150.	1.8	35
99	Polyaniline-Grafted RuO2-TiO2 Heterostructure for the Catalysed Degradation of Methyl Orange in Darkness. Catalysts, 2019, 9, 578.	3.5	35
100	An inverse gas chromatographic study of the PMMA / conducting polypyrrole interface. Journal of Adhesion Science and Technology, 1996, 10, 287-303.	2.6	34
101	A Physicochemical Study of Polypyrroleâ€“Silica Nanocomposites by Inverse Gas Chromatography. Journal of Colloid and Interface Science, 1997, 193, 190-199.	9.4	34
102	Adsorption of poly(methyl methacrylate) and poly(vinyl chloride) blends onto polypyrrole. Journal of Chromatography A, 2002, 969, 273-285.	3.7	34
103	Novel silicon carbide/polypyrrole composites; preparation and physicochemical properties. Materials Research Bulletin, 2005, 40, 749-765.	5.2	34
104	Facile Synthesis of Oligothiophene-Capped CdS Nanoparticles. European Journal of Inorganic Chemistry, 2007, 2007, 1275-1284.	2.0	34
105	Preparation and electrochemical behaviour of PPyâ€“CdS composite films. Journal of Electroanalytical Chemistry, 2011, 650, 176-181.	3.8	34
106	Polypyrrole-Wrapped Carbon Nanotube Composite Films Coated on Diazonium-Modified Flexible ITO Sheets for the Electroanalysis of Heavy Metal Ions. Sensors, 2020, 20, 580.	3.8	34
107	Inverse gas chromatographic characterization of functionalized polysiloxanes. Relevance to sensors technology. Sensors and Actuators B: Chemical, 2000, 62, 1-7.	7.8	33
108	Polypyrrole-coated poly(vinyl chloride) powder particles: surface chemical and morphological characterisation by means of X-ray photoelectron spectroscopy and scanning electron microscopy. Colloid and Polymer Science, 2004, 282, 314-323.	2.1	33

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109	Microelectrochemical Patterning of Surfaces with Polymer Brushes. Chemistry of Materials, 2008, 20, 6677-6685.	6.7	33
110	Synthesis, characterization and reinforcing properties of novel, reactive clay/poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	7.2	33
111	Covalent immobilization of human serum albumin onto reactive polypyrrole-coated polystyrene latex particles. Journal of Materials Chemistry, 2005, 15, 3109.	6.7	32
112	Surfactant-assisted control of the surface energy and interfacial molecular interactions of polypyrrole. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 28-38.	4.7	32
113	Controlled adhesion of Salmonella Typhimurium to poly(oligoethylene glycol methacrylate) grafts. Surface and Interface Analysis, 2011, 43, 1436-1443.	1.8	32
114	Ligand-modified mesoporous silica SBA-15/silver hybrids for the catalyzed reduction of methylene blue. RSC Advances, 2016, 6, 57672-57682.	3.6	32
115	Paper strips coated with polypyrrole-wrapped carbon nanotube composites for chemi-resistive gas sensing. Synthetic Metals, 2019, 258, 116223.	3.9	32
116	Beyond graphene oxide: laser engineering functionalized graphene for flexible electronics. Materials Horizons, 2020, 7, 1030-1041.	12.2	32
117	Effect of acid-base interactions on the adsorption of PMMA on chloride-doped polypyrrole from neutral, acidic and basic solvents: an XPS study. Synthetic Metals, 1994, 66, 225-233.	3.9	31
118	Study of adhesion and surface properties of low-density poly(ethylene) pre-treated by cold discharge plasma. Polymers for Advanced Technologies, 2007, 18, 97-105.	3.2	30
119	Carboxylic acid-functionalized, coreâ€“shell polystyrene@polypyrrole microspheres as platforms for the attachment of CdS nanoparticles. Polymer, 2010, 51, 2825-2835.	3.8	30
120	Exfoliated clay/polyaniline nanocomposites through tandem diazonium cation exchange reactions and in situ oxidative polymerization of aniline. RSC Advances, 2014, 4, 65213-65222.	3.6	30
121	Ultrasensitive and Selective Detection of Dopamine Using Cobalt-Phthalocyanine Nanopillar-Based Surface Acoustic Wave Sensor. ACS Applied Materials & Interfaces, 2014, 6, 22378-22386.	8.0	30
122	Ultrasonic effect on the photocatalytic degradation of Rhodamine 6G (Rh6G) dye by cotton fabrics loaded with TiO2. Cellulose, 2020, 27, 1085-1097.	4.9	30
123	The Molecular and Macromolecular Level of Carbon Nanotube Modification Via Diazonium Chemistry: Emphasis on the 2010sÂYears. Chemistry Africa, 2020, 3, 535-569.	2.4	30
124	Adsorption of human serum albumin onto polypyrrole powder and polypyrrole-silica nanocomposites. Synthetic Metals, 1999, 102, 1419-1420.	3.9	29
125	Melamine-imprinted polymer grafts through surface photopolymerization initiated by aryl layers from diazonium salts. Food Control, 2013, 31, 379-386.	5.5	29
126	Surface Plasmon-Polariton: A Novel Way To Initiate Azideâ€“Alkyne Cycloaddition. Langmuir, 2019, 35, 2023-2032.	3.5	29

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127	Synthesis of water-soluble goldâ€“aryl nanoparticles with distinct catalytic performance in the reduction of the environmental pollutant 4-nitrophenol. Catalysis Science and Technology, 2019, 9, 6059-6071.	4.1	29
128	Characterisation of cement pastes by inverse gas chromatography. Journal of Chromatography A, 2002, 969, 261-272.	3.7	28
129	Polysiloxanes With Quaternary Ammonium Salt Biocidal Functions and Their Behavior When Incorporated Into a Silicone Elastomer Network. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 576-589.	3.7	28
130	In Situ Diazonium-Modified Flexible ITO-Coated PEN Substrates for the Deposition of Adherent Silverâ€“Polypyrrole Nanocomposite Films. Langmuir, 2014, 30, 9397-9406.	3.5	28
131	The role of diazonium interface chemistry in the design of high performance polypyrrole-coated flexible ITO sensing electrodes. Electrochemistry Communications, 2017, 77, 14-18.	4.7	28
132	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. Langmuir, 2017, 33, 6677-6690.	3.5	28
133	Polypyrrole: a reactive and functional conductive polymer for the selective electrochemical detection of heavy metals in water. Emergent Materials, 2020, 3, 815-839.	5.7	28
134	Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. Polymer Engineering and Science, 2007, 47, 1198-1206.	3.1	27
135	On the interfacial chemistry of aryl diazonium compounds in polymer science. Chemical Papers, 2012, 66, .	2.2	27
136	Diazonium salt-based photoiniferter as a new efficient pathway to clayâ€“polymer nanocomposites. RSC Advances, 2016, 6, 88126-88134.	3.6	27
137	Diazonium-modified TiO2/polyaniline core/shell nanoparticles. Structural characterization, interfacial aspects and photocatalytic performances. Applied Surface Science, 2019, 465, 1078-1095.	6.1	27
138	Can Plasmon Change Reaction Path? Decomposition of Unsymmetrical Iodonium Salts as an Organic Probe. Journal of Physical Chemistry Letters, 2020, 11, 5770-5776.	4.6	27
139	Ammonia Plasma Treated Polyethylene Films for Adsorption or Covalent Immobilization of Trypsin: Quantitative Correlation between X-ray Photoelectron Spectroscopy Data and Enzyme Activity. Journal of Physical Chemistry B, 2011, 115, 10228-10238.	2.6	26
140	Reactive Diazonium-Modified Silica Fillers for High-Performance Polymers. Langmuir, 2016, 32, 11646-11654.	3.5	26
141	Bentonite-decorated calix [4] arene: A new, promising hybrid material for heavy-metal removal. Applied Clay Science, 2018, 161, 15-22.	5.2	26
142	Highly Selective Copper Ion Imprinted Clay/Polymer Nanocomposites Prepared by Visible Light Initiated Radical Photopolymerization. Polymers, 2019, 11, 286.	4.5	26
143	Protein-Coated Aryl Modified Gold Nanoparticles for Cellular Uptake Study by Osteosarcoma Cancer Cells. Langmuir, 2020, 36, 11765-11775.	3.5	26
144	X-Ray photoelectron spectroscopy investigations of acidâ€“base interactions in adhesion. Part 1.â€”Estimation of polymer properties by a solvent swelling technique. Journal of Materials Chemistry, 1992, 2, 209-215.	6.7	25

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145	Triazole/Triazine-Functionalized Mesoporous Silica As a Hybrid Material Support for Palladium Nanocatalyst. Langmuir, 2017, 33, 7137-7146.	3.5	25
146	Polypyrrole/Ag/mesoporous silica nanocomposite particles: Design by photopolymerization in aqueous medium and antibacterial activity. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 1022-1030.	5.3	25
147	Gold-carbon nanoparticles mediated delivery of BSA: Remarkable robustness and hemocompatibility. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 351-358.	4.7	25
148	Diazonium Salts: Versatile Molecular Glues for Sticking Conductive Polymers to Flexible Electrodes. Surfaces, 2018, 1, 43-58.	2.3	25
149	Metal uptake by porous iminobis(N-2-aminoethylacetamide)-modified polysiloxane ligand system. Microporous and Mesoporous Materials, 2003, 65, 299-310.	4.4	23
150	Synthesis, characterization and potential biomedical applications of N-succinimidyl ester functionalized, polypyrrole-coated polystyrene latex particles. Colloid and Polymer Science, 2004, 282, 1301-1307.	2.1	23
151	Interfacial interactions of structural adhesive components with cement pastes. Applied Surface Science, 2004, 238, 523-529.	6.1	23
152	Preparation of ethylenediaminetriacetic acid silica-gel immobilised ligand system and its application for trace metal analysis in aqueous samples. International Journal of Environmental Analytical Chemistry, 2009, 89, 1057-1069.	3.3	23
153	Mechanical properties of carbon nanotubeâ€“PMMA based hybrid coatings: the importance of surface chemistry. RSC Advances, 2012, 2, 2462.	3.6	23
154	Electrode Surface Modification Using Diazonium Salts. Electroanalytical Chemistry, A Series of Advances, 2015, , 115-224.	1.7	23
155	Polyaniline coated gold-aryl nanoparticles: Electrochemical synthesis and efficiency in methylene blue dye removal. Synthetic Metals, 2020, 269, 116528.	3.9	23
156	Surface characterisation of components used in coil coating primers. International Journal of Adhesion and Adhesives, 2000, 20, 1-10.	2.9	22
157	Interfacial aspects of polymer brushes prepared on conductive substrates by aryl diazonium salt surfaceâ€initiated ATRP. Surface and Interface Analysis, 2008, 40, 412-417.	1.8	22
158	Aryl Diazonium Salts for Carbon Fiber Surface-Initiated Atom Transfer Radical Polymerization. Journal of Adhesion, 2008, 84, 684-701.	3.0	22
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