

Mohamed M Chehimi

List of Publications by Year in descending order

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270
papers

10,629
citations

30047

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56687

83
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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. <i>Chemical Society Reviews</i> , 2011, 40, 4143.	18.7	442
2	Electrochemical Oxidation of Aliphatic Amines and Their Attachment to Carbon and Metal Surfaces. <i>Langmuir</i> , 2004, 20, 8243-8253.	1.6	408
3	Organic Layers Bonded to Industrial, Coinage, and Noble Metals through Electrochemical Reduction of Aryldiazonium Salts. <i>Chemistry of Materials</i> , 2003, 15, 3450-3462.	3.2	262
4	Covalent Modification of Iron Surfaces by Electrochemical Reduction of Aryldiazonium Salts. <i>Journal of the American Chemical Society</i> , 2001, 123, 4541-4549.	6.6	237
5	Nanocomposites of Gold Nanoparticles@Molecularly Imprinted Polymers: Chemistry, Processing, and Applications in Sensors. <i>Chemistry of Materials</i> , 2015, 27, 5464-5478.	3.2	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. <i>Langmuir</i> , 2003, 19, 6333-6335.	1.6	159
7	The Electrochemical Reduction of Diazonium Salts on Iron Electrodes. The Formation of Covalently Bonded Organic Layers and Their Effect on Corrosion. <i>Chemistry of Materials</i> , 2002, 14, 392-400.	3.2	147
8	Functionalization of nanomaterials with aryldiazonium salts. <i>Advances in Colloid and Interface Science</i> , 2015, 225, 16-36.	7.0	139
9	Rheological Properties of Covalent Adaptable Networks with 1,2,3-Triazolium Cross-Links: The Missing Link between Vitrimers and Dissociative Networks. <i>Macromolecules</i> , 2020, 53, 1884-1900.	2.2	131
10	Uptake of copper ions by carbon fiber/polymer hybrids prepared by tandem diazonium salt chemistry and in situ atom transfer radical polymerization. <i>Carbon</i> , 2010, 48, 2106-2111.	5.4	119
11	Thermo-induced Electromagnetic Coupling in Gold/Polymer Hybrid Plasmonic Structures Probed by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2010, 4, 6491-6500.	7.3	119
12	Protein-Functionalized Hairy Diamond Nanoparticles. <i>Langmuir</i> , 2009, 25, 9633-9638.	1.6	110
13	Preparation and characterisation of gold nanoparticle assemblies on silanised glass plates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 218, 225-239.	2.3	105
14	Hydrophobic Protein~Polypyrrole Interactions:~ The Role of van der Waals and Lewis Acid~Base Forces As Determined by Contact Angle Measurements. <i>Langmuir</i> , 2002, 18, 1150-1156.	1.6	103
15	Hairy Carbon Nanotube@Nano-Pd Heterostructures: Design, Characterization, and Application in Suzuki C~C Coupling Reaction. <i>Langmuir</i> , 2010, 26, 16115-16121.	1.6	102
16	H2S sensing using in situ photo-polymerized polyaniline~silver nanocomposite films on flexible substrates. <i>Organic Electronics</i> , 2014, 15, 71-81.	1.4	102
17	DNA adsorption onto conducting polypyrrole. <i>Synthetic Metals</i> , 1997, 87, 97-103.	2.1	100
18	Surface Characterization of Polypyrrole-Coated Polystyrene Latex by X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , 1996, 12, 3245-3251.	1.6	99

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19	Novel Approach for Metallic Surface-Initiated Atom Transfer Radical Polymerization Using Electrografted Initiators Based on Aryl Diazonium Salts. <i>Langmuir</i> , 2005, 21, 4686-4694.	1.6	99
20	Synthesis and interfacial properties of montmorillonite/polypyrrole nanocomposites. <i>Polymer</i> , 2006, 47, 569-576.	1.8	99
21	The determination of the surface energy of conducting polymers by inverse gas chromatography at infinite dilution. <i>Synthetic Metals</i> , 1999, 104, 51-59.	2.1	98
22	Synthesis and Characterization of Active Ester-Functionalized Polypyrrole-Silica Nanoparticles: Application to the Covalent Attachment of Proteins. <i>Langmuir</i> , 2004, 20, 3350-3356.	1.6	95
23	Adsorption of aminopropyltriethoxy silane on quartz: an XPS and contact angle measurements study. <i>International Journal of Adhesion and Adhesives</i> , 1996, 16, 227-232.	1.4	94
24	Inverse Opals of Molecularly Imprinted Hydrogels for the Detection of Bisphenol A and pH Sensing. <i>Langmuir</i> , 2012, 28, 1005-1012.	1.6	91
25	Surface Characterization of Polyaniline-Coated Polystyrene Latexes. <i>Langmuir</i> , 1998, 14, 5032-5038.	1.6	89
26	Polymer-immobilized nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 43-68.	2.3	84
27	Grafting densely-packed poly(n-butyl methacrylate) chains from an iron substrate by aryl diazonium surface-initiated ATRP: XPS monitoring. <i>Surface Science</i> , 2007, 601, 2357-2366.	0.8	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. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 287, 217-221.	2.3	78
29	Flexible H ₂ S sensor based on gold modified polycarbazole films. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 227-234.	4.0	78
30	Photo-induced synthesis of polypyrrole-silver nanocomposite films on N-(3-trimethoxysilylpropyl)pyrrole-modified biaxially oriented polyethylene terephthalate flexible substrates. <i>RSC Advances</i> , 2013, 3, 5506.	1.7	76
31	Montmorillonite/polypyrrole nanocomposites. The effect of organic modification of clay on the chemical and electrical properties. <i>Materials Science and Engineering C</i> , 2006, 26, 306-313.	3.8	75
32	Aryl diazonium salt surface chemistry and ATRP for the preparation of molecularly imprinted polymer grafts on gold substrates. <i>Surface and Interface Analysis</i> , 2010, 42, 1050-1056.	0.8	75
33	Anti-fouling poly(2-hydroxyethyl methacrylate) surface coatings with specific bacteria recognition capabilities. <i>Surface Science</i> , 2009, 603, 2422-2429.	0.8	72
34	Cement paste epoxy adhesive interactions. <i>Construction and Building Materials</i> , 2011, 25, 411-423.	3.2	69
35	Highly Hydrophilic Surfaces from Polyglycidol Grafts with Dual Antifouling and Specific Protein Recognition Properties. <i>Langmuir</i> , 2011, 27, 9285-9294.	1.6	68
36	Latex and Hollow Particles of Reactive Polypyrrole: Preparation, Properties, and Decoration by Gold Nanospheres. <i>Langmuir</i> , 2006, 22, 10163-10169.	1.6	67

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37	Site-specific immobilisation of gold nanoparticles on a porous monolith surface by using a thiol-ene click photopatterning approach. <i>Chemical Communications</i> , 2012, 48, 7486.	2.2	67
38	Electrochemical impedimetric sensor based on molecularly imprinted polymers/sol-gel chemistry for methidathion organophosphorous insecticide recognition. <i>Talanta</i> , 2014, 130, 294-298.	2.9	66
39	A study of the degradation and stability of polypyrrole by inverse gas chromatography, X-ray photoelectron spectroscopy, and conductivity measurements. <i>Synthetic Metals</i> , 2004, 145, 15-22.	2.1	62
40	A General Approach Combining Diazonium Salts and Click Chemistries for Gold Surface Functionalization by Nanoparticle Assemblies. <i>Langmuir</i> , 2010, 26, 3975-3980.	1.6	61
41	Sensitized Photografting of Diazonium Salts by Visible Light.. <i>Chemistry of Materials</i> , 2013, 25, 90-97.	3.2	61
42	The surface chemistry and acid-base properties of a PAN-based carbon fibre. <i>Carbon</i> , 2000, 38, 675-689.	5.4	60
43	Electrografted Aryl Diazonium Initiators for Surface-Confined Photopolymerization: A New Approach to Designing Functional Polymer Coatings. <i>Langmuir</i> , 2010, 26, 11830-11840.	1.6	59
44	Surface modification of polymers by reduction of diazonium salts: polymethylmethacrylate as an example. <i>Journal of Materials Chemistry C</i> , 2014, 2, 356-363.	2.7	59
45	Room temperature detection of H ₂ S by flexible gold-cobalt phthalocyanine heterojunction thin films. <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 653-662.	4.0	59
46	Sonochemical synthesis of FeO@NH-mesoporous silica@Polypyrrole/Pd: A core/double shell nanocomposite for catalytic applications. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 551-561.	3.8	59
47	Rational synthesis, characterization, and application of environmentally friendly (polymer-carbon) Tj ETQq1 1 0.784314 rgBT /Over Sciences Europe, 2020, 32, .	2.6	59
48	Determination of acid-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. <i>Journal of Materials Chemistry</i> , 1994, 4, 741-745.	6.7	58
49	Magnetic Fe ₂ O ₃ @Polystyrene/PPy Core/Shell Particles: Bioreactivity and Self-Assembly. <i>Langmuir</i> , 2007, 23, 10940-10949.	1.6	57
50	Electroless ultrasonic functionalization of diamond nanoparticles using aryl diazonium salts. <i>Diamond and Related Materials</i> , 2008, 17, 1881-1887.	1.8	57
51	Mesoporous silica/polyacrylamide composite: Preparation by UV-graft photopolymerization, characterization and use as Hg(II) adsorbent. <i>Applied Surface Science</i> , 2016, 367, 181-189.	3.1	57
52	Clay/Polyaniline Hybrid through Diazonium Chemistry: Conductive Nanofiller with Unusual Effects on Interfacial Properties of Epoxy Nanocomposites. <i>Langmuir</i> , 2016, 32, 3514-3524.	1.6	57
53	Chitosan-Ag-TiO ₂ films: An effective photocatalyst under visible light. <i>Carbohydrate Polymers</i> , 2018, 199, 31-40.	5.1	57
54	XPS, NMR and FTIR structural characterization of polysiloxane-immobilized amine ligand systems. <i>Journal of Non-Crystalline Solids</i> , 2000, 275, 142-146.	1.5	56

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55	Surface functionalization of ultrananocrystalline diamond using atom transfer radical polymerization (ATRP) initiated by electro-grafted aryl diazonium salts. <i>Diamond and Related Materials</i> , 2006, 15, 639-644.	1.8	56
56	One step synthesis of highly ordered free standing flexible polypyrrole-silver nanocomposite films at air/water interface by photopolymerization. <i>RSC Advances</i> , 2013, 3, 13329.	1.7	56
57	Introduction of a planar defect in a molecularly imprinted photonic crystal sensor for the detection of bisphenol A. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 18-23.	5.0	55
58	Highly temperature responsive core-shell magnetic particles: Synthesis, characterization and colloidal properties. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 556-564.	5.0	55
59	Electrochemical investigation of free-standing polypyrrole-silver nanocomposite films: a substrate free electrode material for supercapacitors. <i>RSC Advances</i> , 2013, 3, 24567.	1.7	55
60	Tandem diazonium salt electroreduction and click chemistry as a novel, efficient route for grafting macromolecules to gold surface. <i>Surface Science</i> , 2009, 603, 3205-3211.	0.8	54
61	Characterization of conducting polymers by inverse gas chromatography Part II. Effect of dopant on the dispersive and specific properties of polypyrrole. <i>Synthetic Metals</i> , 1993, 60, 183-194.	2.1	52
62	Photonic crystal pH sensor containing a planar defect for fast and enhanced response. <i>Journal of Materials Chemistry</i> , 2011, 21, 13052.	6.7	52
63	Molecularly imprinted polypyrrole films: Some key parameters for electrochemical picomolar detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2012, 685, 21-27.	1.9	52
64	Highly Selective Polypyrrole MIP-Based Gravimetric and Electrochemical Sensors for Picomolar Detection of Glyphosate. <i>Sensors</i> , 2017, 17, 2586.	2.1	52
65	Flexible organic semiconductor thin films. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8468-8479.	2.7	51
66	Stabilization of nano-structured ZnO particles onto the surface of cotton fibers using different surfactants and their antimicrobial activity. <i>Ultrasonics Sonochemistry</i> , 2017, 38, 478-487.	3.8	51
67	One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. <i>Journal of Colloid and Interface Science</i> , 2013, 393, 130-137.	5.0	49
68	The efficacy of surfactants in stabilizing coating of nano-structured CuO particles onto the surface of cotton fibers and their antimicrobial activity. <i>Materials Chemistry and Physics</i> , 2018, 215, 221-228.	2.0	49
69	Synthesis, Characterization and Applications of Immobilized Iminodiacetic Acid-Modified Silica. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 28, 255-265.	1.1	47
70	Core/shell, protuberance-free multiwalled carbon nanotube/polyaniline nanocomposites via interfacial chemistry of aryl diazonium salts. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 185-192.	5.0	47
71	Gold-decorated polymeric monoliths: In-situ vs ex-situ immobilization strategies and flow through catalytic applications towards nitrophenols reduction. <i>Polymer</i> , 2015, 77, 218-226.	1.8	47
72	Diazonium-based ion-imprinted polymer/clay nanocomposite for the selective extraction of lead (II) ions in aqueous media. <i>European Polymer Journal</i> , 2017, 89, 367-380.	2.6	47

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73	XPS study of the adsorption mechanisms of DNA onto polypyrrole particles. <i>Spectroscopy</i> , 2004, 18, 519-535.	0.8	46
74	Quartz crystal microbalance VOCs sensor based on dip coated polyaniline emeraldine salt thin films. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 647-654.	4.0	45
75	Adsorption of DNA onto Polypyrrole-Silica Nanocomposites. <i>Journal of Colloid and Interface Science</i> , 1997, 192, 269-273.	5.0	44
76	Surface properties and conductivity of bis(2-ethylhexyl) sulfosuccinate-containing polypyrrole. <i>Applied Surface Science</i> , 2005, 249, 303-314.	3.1	44
77	Design of molecularly imprinted polymer grafts with embedded gold nanoparticles through the interfacial chemistry of aryl diazonium salts. <i>Polymer</i> , 2011, 52, 4463-4470.	1.8	44
78	Diazonium Salt-Derived 4-(Dimethylamino)phenyl Groups as Hydrogen Donors in Surface-Confined Radical Photopolymerization for Bioactive Poly(2-hydroxyethyl methacrylate) Grafts. <i>Langmuir</i> , 2012, 28, 8035-8045.	1.6	44
79	Diazonium Cation-Exchanged Clay: An Efficient, Unfrequented Route for Making Clay/Polymer Nanocomposites. <i>Langmuir</i> , 2013, 29, 13323-13328.	1.6	44
80	Surface and interface physicochemical aspects of intercalated organo-bentonite. <i>International Journal of Adhesion and Adhesives</i> , 2014, 50, 204-210.	1.4	43
81	Modification of Indium Tin Oxide Films by Alkanethiol and Fatty Acid Self-Assembled Monolayers: A Comparative Study. <i>Langmuir</i> , 2006, 22, 3118-3124.	1.6	42
82	The preparation and properties of sodium and organomodified-montmorillonite/polypyrrole composites: A comparative study. <i>Synthetic Metals</i> , 2007, 157, 347-357.	2.1	42
83	Electro- and Photografting of Carbon or Metal Surfaces by Alkyl Groups. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18559-18565.	1.5	42
84	Study of DNA adsorption on polypyrrole: interest of dielectric monitoring. <i>Sensors and Actuators B: Chemical</i> , 2000, 62, 35-42.	4.0	41
85	Conductive polymer-coated textiles: The role of fabric treatment by pyrrole-functionalized triethoxysilane. <i>Synthetic Metals</i> , 2007, 157, 914-923.	2.1	40
86	Phospholipid decoration of microcapsules containing perfluorooctyl bromide used as ultrasound contrast agents. <i>Biomaterials</i> , 2009, 30, 1462-1472.	5.7	40
87	A versatile route for surface modification of carbon, metals and semi-conductors by diazonium salt-initiated photopolymerization. <i>Surface Science</i> , 2011, 605, 1889-1899.	0.8	40
88	Use of aminosilane coupling agent in the synthesis of conducting, hybrid polypyrrole-silica gel particles. <i>Surface and Interface Analysis</i> , 1998, 26, 689-698.	0.8	39
89	Standardization and validation of a protocol of zeta potential measurements by electrophoretic light scattering for nanomaterial characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 486, 218-231.	2.3	38
90	Poly(glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites. <i>European Polymer Journal</i> , 2015, 72, 89-101.	2.6	38

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91	Facile functionalization of cotton with nanostructured silver/titania for visible-light plasmonic photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2017, 507, 83-94.	5.0	37
92	Anti-corrosive and oil sensitive coatings based on epoxy/polyaniline/magnetite-clay composites through diazonium interfacial chemistry. <i>Scientific Reports</i> , 2018, 8, 13369.	1.6	37
93	Characterisation of the surface thermodynamic properties of cement components by inverse gas chromatography at infinite dilution. <i>Cement and Concrete Research</i> , 2006, 36, 305-319.	4.6	36
94	Aryl diazonium salt surface chemistry and graft photopolymerization for the preparation of molecularly imprinted polymer biomimetic sensor layers. <i>Electrochimica Acta</i> , 2012, 73, 45-52.	2.6	36
95	Novel, ternary clay/polypyrrole/silver hybrid materials through in situ photopolymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 193-199.	2.3	36
96	Interfacial physicochemical properties of functionalized conducting polypyrrole particles. <i>Polymer</i> , 2005, 46, 1339-1346.	1.8	35
97	Surface energetics of cementitious materials and their wettability by an epoxy adhesive. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 286, 78-91.	2.3	35
98	Interfacial chemistry of epoxy adhesives on hydrated cement paste. <i>Surface and Interface Analysis</i> , 2008, 40, 146-150.	0.8	35
99	Polyaniline-Grafted RuO ₂ -TiO ₂ Heterostructure for the Catalysed Degradation of Methyl Orange in Darkness. <i>Catalysts</i> , 2019, 9, 578.	1.6	35
100	An inverse gas chromatographic study of the PMMA / conducting polypyrrole interface. <i>Journal of Adhesion Science and Technology</i> , 1996, 10, 287-303.	1.4	34
101	A Physicochemical Study of Polypyrrole-Silica Nanocomposites by Inverse Gas Chromatography. <i>Journal of Colloid and Interface Science</i> , 1997, 193, 190-199.	5.0	34
102	Adsorption of poly(methyl methacrylate) and poly(vinyl chloride) blends onto polypyrrole. <i>Journal of Chromatography A</i> , 2002, 969, 273-285.	1.8	34
103	Novel silicon carbide/polypyrrole composites; preparation and physicochemical properties. <i>Materials Research Bulletin</i> , 2005, 40, 749-765.	2.7	34
104	Facile Synthesis of Oligothiophene-Capped CdS Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1275-1284.	1.0	34
105	Preparation and electrochemical behaviour of PPy-CdS composite films. <i>Journal of Electroanalytical Chemistry</i> , 2011, 650, 176-181.	1.9	34
106	Polypyrrole-Wrapped Carbon Nanotube Composite Films Coated on Diazonium-Modified Flexible ITO Sheets for the Electroanalysis of Heavy Metal Ions. <i>Sensors</i> , 2020, 20, 580.	2.1	34
107	Inverse gas chromatographic characterization of functionalized polysiloxanes. Relevance to sensors technology. <i>Sensors and Actuators B: Chemical</i> , 2000, 62, 1-7.	4.0	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. <i>Colloid and Polymer Science</i> , 2004, 282, 314-323.	1.0	33

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109	Microelectrochemical Patterning of Surfaces with Polymer Brushes. <i>Chemistry of Materials</i> , 2008, 20, 6677-6685.	3.2	33
110	Synthesis, characterization and reinforcing properties of novel, reactive clay/poly(glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	3.2	33
111	Covalent immobilization of human serum albumin onto reactive polypyrrole-coated polystyrene latex particles. <i>Journal of Materials Chemistry</i> , 2005, 15, 3109.	6.7	32
112	Surfactant-assisted control of the surface energy and interfacial molecular interactions of polypyrrole. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 293, 28-38.	2.3	32
113	Controlled adhesion of <i>Salmonella Typhimurium</i> to poly(oligoethylene glycol methacrylate) grafts. <i>Surface and Interface Analysis</i> , 2011, 43, 1436-1443.	0.8	32
114	Ligand-modified mesoporous silica SBA-15/silver hybrids for the catalyzed reduction of methylene blue. <i>RSC Advances</i> , 2016, 6, 57672-57682.	1.7	32
115	Paper strips coated with polypyrrole-wrapped carbon nanotube composites for chemi-resistive gas sensing. <i>Synthetic Metals</i> , 2019, 258, 116223.	2.1	32
116	Beyond graphene oxide: laser engineering functionalized graphene for flexible electronics. <i>Materials Horizons</i> , 2020, 7, 1030-1041.	6.4	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. <i>Synthetic Metals</i> , 1994, 66, 225-233.	2.1	31
118	Study of adhesion and surface properties of low-density poly(ethylene) pre-treated by cold discharge plasma. <i>Polymers for Advanced Technologies</i> , 2007, 18, 97-105.	1.6	30
119	Carboxylic acid-functionalized, core-shell polystyrene@polypyrrole microspheres as platforms for the attachment of CdS nanoparticles. <i>Polymer</i> , 2010, 51, 2825-2835.	1.8	30
120	Exfoliated clay/polyaniline nanocomposites through tandem diazonium cation exchange reactions and in situ oxidative polymerization of aniline. <i>RSC Advances</i> , 2014, 4, 65213-65222.	1.7	30
121	Ultrasensitive and Selective Detection of Dopamine Using Cobalt-Phthalocyanine Nanopillar-Based Surface Acoustic Wave Sensor. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22378-22386.	4.0	30
122	Ultrasonic effect on the photocatalytic degradation of Rhodamine 6G (Rh6G) dye by cotton fabrics loaded with TiO ₂ . <i>Cellulose</i> , 2020, 27, 1085-1097.	2.4	30
123	The Molecular and Macromolecular Level of Carbon Nanotube Modification Via Diazonium Chemistry: Emphasis on the 2010s Years. <i>Chemistry Africa</i> , 2020, 3, 535-569.	1.2	30
124	Adsorption of human serum albumin onto polypyrrole powder and polypyrrole-silica nanocomposites. <i>Synthetic Metals</i> , 1999, 102, 1419-1420.	2.1	29
125	Melamine-imprinted polymer grafts through surface photopolymerization initiated by aryl layers from diazonium salts. <i>Food Control</i> , 2013, 31, 379-386.	2.8	29
126	Surface Plasmon-Polariton: A Novel Way To Initiate Azide-Alkyne Cycloaddition. <i>Langmuir</i> , 2019, 35, 2023-2032.	1.6	29

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127	Synthesis of water-soluble gold-aryl nanoparticles with distinct catalytic performance in the reduction of the environmental pollutant 4-nitrophenol. <i>Catalysis Science and Technology</i> , 2019, 9, 6059-6071.	2.1	29
128	Characterisation of cement pastes by inverse gas chromatography. <i>Journal of Chromatography A</i> , 2002, 969, 261-272.	1.8	28
129	Polysiloxanes With Quaternary Ammonium Salt Biocidal Functions and Their Behavior When Incorporated Into a Silicone Elastomer Network. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011, 21, 576-589.	1.9	28
130	In Situ Diazonium-Modified Flexible ITO-Coated PEN Substrates for the Deposition of Adherent Silver-Polypyrrole Nanocomposite Films. <i>Langmuir</i> , 2014, 30, 9397-9406.	1.6	28
131	The role of diazonium interface chemistry in the design of high performance polypyrrole-coated flexible ITO sensing electrodes. <i>Electrochemistry Communications</i> , 2017, 77, 14-18.	2.3	28
132	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. <i>Langmuir</i> , 2017, 33, 6677-6690.	1.6	28
133	Polypyrrole: a reactive and functional conductive polymer for the selective electrochemical detection of heavy metals in water. <i>Emergent Materials</i> , 2020, 3, 815-839.	3.2	28
134	Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. <i>Polymer Engineering and Science</i> , 2007, 47, 1198-1206.	1.5	27
135	On the interfacial chemistry of aryl diazonium compounds in polymer science. <i>Chemical Papers</i> , 2012, 66, .	1.0	27
136	Diazonium salt-based photoiniferter as a new efficient pathway to clay-polymer nanocomposites. <i>RSC Advances</i> , 2016, 6, 88126-88134.	1.7	27
137	Diazonium-modified TiO ₂ /polyaniline core/shell nanoparticles. Structural characterization, interfacial aspects and photocatalytic performances. <i>Applied Surface Science</i> , 2019, 465, 1078-1095.	3.1	27
138	Can Plasmon Change Reaction Path? Decomposition of Unsymmetrical Iodonium Salts as an Organic Probe. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5770-5776.	2.1	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. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10228-10238.	1.2	26
140	Reactive Diazonium-Modified Silica Fillers for High-Performance Polymers. <i>Langmuir</i> , 2016, 32, 11646-11654.	1.6	26
141	Bentonite-decorated calix [4] arene: A new, promising hybrid material for heavy-metal removal. <i>Applied Clay Science</i> , 2018, 161, 15-22.	2.6	26
142	Highly Selective Copper Ion Imprinted Clay/Polymer Nanocomposites Prepared by Visible Light Initiated Radical Photopolymerization. <i>Polymers</i> , 2019, 11, 286.	2.0	26
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