

# Mohamed M Chehimi

## List of Publications by Citations

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281  
papers

9,003  
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49  
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77  
g-index

330  
ext. papers

9,763  
ext. citations

4.7  
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6.12  
L-index

#	Paper	IF	Citations
281	Aryl diazonium salts: a new class of coupling agents for bonding polymers, biomacromolecules and nanoparticles to surfaces. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 4143-66	58.5	385
280	Electrochemical oxidation of aliphatic amines and their attachment to carbon and metal surfaces. <i>Langmuir</i> , <b>2004</b> , 20, 8243-53	4	352
279	Organic Layers Bonded to Industrial, Coinage, and Noble Metals through Electrochemical Reduction of Aryldiazonium Salts. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3450-3462	9.6	241
278	Covalent modification of iron surfaces by electrochemical reduction of aryldiazonium salts. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4541-9	16.4	214
277	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> , <b>2003</b> , 19, 6333-6335	14.8	148
276	Nanocomposites of Gold Nanoparticles@Molecularly Imprinted Polymers: Chemistry, Processing, and Applications in Sensors. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5464-5478	9.6	137
275	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> , <b>2002</b> , 14, 392-400	9.6	133
274	Functionalization of nanomaterials with aryldiazonium salts. <i>Advances in Colloid and Interface Science</i> , <b>2015</b> , 225, 16-36	14.3	122
273	Thermo-induced electromagnetic coupling in gold/polymer hybrid plasmonic structures probed by surface-enhanced raman scattering. <i>ACS Nano</i> , <b>2010</b> , 4, 6491-500	16.7	113
272	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> , <b>2010</b> , 48, 2106-2111	10.4	109
271	Protein-functionalized hairy diamond nanoparticles. <i>Langmuir</i> , <b>2009</b> , 25, 9633-8	4	100
270	Preparation and characterisation of gold nanoparticle assemblies on silanised glass plates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2003</b> , 218, 225-239	5.1	95
269	Hairy carbon nanotube@nano-Pd heterostructures: design, characterization, and application in Suzuki C-C coupling reaction. <i>Langmuir</i> , <b>2010</b> , 26, 16115-21	4	94
268	Synthesis and interfacial properties of montmorillonite/polypyrrole nanocomposites. <i>Polymer</i> , <b>2006</b> , 47, 569-576	3.9	92
267	DNA adsorption onto conducting polypyrrole. <i>Synthetic Metals</i> , <b>1997</b> , 87, 97-103	3.6	91
266	Novel approach for metallic surface-initiated atom transfer radical polymerization using electrografted initiators based on aryl diazonium salts. <i>Langmuir</i> , <b>2005</b> , 21, 4686-94	4	90
265	Hydrophobic Protein@Polypyrrole Interactions: The Role of van der Waals and Lewis Acid-Base Forces As Determined by Contact Angle Measurements. <i>Langmuir</i> , <b>2002</b> , 18, 1150-1156	4	90

264	The determination of the surface energy of conducting polymers by inverse gas chromatography at infinite dilution. <i>Synthetic Metals</i> , <b>1999</b> , 104, 51-59	3.6	89
263	Surface Characterization of Polypyrrole-Coated Polystyrene Latex by X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , <b>1996</b> , 12, 3245-3251	4	87
262	Adsorption of aminopropyltriethoxy silane on quartz: an XPS and contact angle measurements study. <i>International Journal of Adhesion and Adhesives</i> , <b>1996</b> , 16, 227-232	3.4	86
261	Synthesis and characterization of active ester-functionalized polypyrrole-silica nanoparticles: application to the covalent attachment of proteins. <i>Langmuir</i> , <b>2004</b> , 20, 3350-6	4	85
260	H <sub>2</sub> S sensing using in situ photo-polymerized polyaniline-silver nanocomposite films on flexible substrates. <i>Organic Electronics</i> , <b>2014</b> , 15, 71-81	3.5	79
259	Inverse opals of molecularly imprinted hydrogels for the detection of bisphenol A and pH sensing. <i>Langmuir</i> , <b>2012</b> , 28, 1005-12	4	79
258	Surface Characterization of Polyaniline-Coated Polystyrene Latexes. <i>Langmuir</i> , <b>1998</b> , 14, 5032-5038	4	79
257	Grafting densely-packed poly(n-butyl methacrylate) chains from an iron substrate by aryl diazonium surface-initiated ATRP: XPS monitoring. <i>Surface Science</i> , <b>2007</b> , 601, 2357-2366	1.8	77
256	Polymer-immobilized nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 439, 43-68	5.1	75
255	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> , <b>2006</b> , 287, 217-221	5.1	74
254	Montmorillonite/polypyrrole nanocomposites. The effect of organic modification of clay on the chemical and electrical properties. <i>Materials Science and Engineering C</i> , <b>2006</b> , 26, 306-313	8.3	73
253	Aryl diazonium salt surface chemistry and ATRP for the preparation of molecularly imprinted polymer grafts on gold substrates. <i>Surface and Interface Analysis</i> , <b>2010</b> , 42, 1050-1056	1.5	69
252	Rheological Properties of Covalent Adaptable Networks with 1,2,3-Triazolium Cross-Links: The Missing Link between Vitrimers and Dissociative Networks. <i>Macromolecules</i> , <b>2020</b> , 53, 1884-1900	5.5	67
251	Flexible H <sub>2</sub> S sensor based on gold modified polycarbazole films. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 200, 227-234	8.5	65
250	Photo-induced synthesis of polypyrrole-silver nanocomposite films on N-(3-trimethoxysilylpropyl)pyrrole-modified biaxially oriented polyethylene terephthalate flexible substrates. <i>RSC Advances</i> , <b>2013</b> , 3, 5506	3.7	65
249	Highly hydrophilic surfaces from polyglycidol grafts with dual antifouling and specific protein recognition properties. <i>Langmuir</i> , <b>2011</b> , 27, 9285-94	4	65
248	Anti-fouling poly(2-hydroxyethyl methacrylate) surface coatings with specific bacteria recognition capabilities. <i>Surface Science</i> , <b>2009</b> , 603, 2422-2429	1.8	64
247	Latex and hollow particles of reactive polypyrrole: preparation, properties, and decoration by gold nanospheres. <i>Langmuir</i> , <b>2006</b> , 22, 10163-9	4	64

246	Site-specific immobilisation of gold nanoparticles on a porous monolith surface by using a thiol-yne click photopatterning approach. <i>Chemical Communications</i> , <b>2012</b> , 48, 7486-8	5.8	63
245	A study of the degradation and stability of polypyrrole by inverse gas chromatography, X-ray photoelectron spectroscopy, and conductivity measurements. <i>Synthetic Metals</i> , <b>2004</b> , 145, 15-22	3.6	59
244	A general approach combining diazonium salts and click chemistries for gold surface functionalization by nanoparticle assemblies. <i>Langmuir</i> , <b>2010</b> , 26, 3975-80	4	55
243	Electrochemical impedimetric sensor based on molecularly imprinted polymers/sol-gel chemistry for methidathion organophosphorous insecticide recognition. <i>Talanta</i> , <b>2014</b> , 130, 294-8	6.2	54
242	Cement paste-Epoxy adhesive interactions. <i>Construction and Building Materials</i> , <b>2011</b> , 25, 411-423	6.7	53
241	Magnetic Fe <sub>2</sub> O <sub>3</sub> -polystyrene/PPy core/shell particles: bioreactivity and self-assembly. <i>Langmuir</i> , <b>2007</b> , 23, 10940-9	4	53
240	The surface chemistry and acid-base properties of a PAN-based carbon fibre. <i>Carbon</i> , <b>2000</b> , 38, 675-689	10.4	53
239	XPS, NMR and FTIR structural characterization of polysiloxane-immobilized amine ligand systems. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 275, 142-146	3.9	52
238	One step synthesis of highly ordered free standing flexible polypyrrole-silver nanocomposite films at air-water interface by photopolymerization. <i>RSC Advances</i> , <b>2013</b> , 3, 13329	3.7	51
237	Electroless ultrasonic functionalization of diamond nanoparticles using aryl diazonium salts. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 1881-1887	3.5	51
236	Surface functionalization of ultrananocrystalline diamond using atom transfer radical polymerization (ATRP) initiated by electro-grafted aryl diazonium salts. <i>Diamond and Related Materials</i> , <b>2006</b> , 15, 639-644	3.5	51
235	Highly temperature responsive core-shell magnetic particles: synthesis, characterization and colloidal properties. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 360, 556-64	9.3	50
234	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> , <b>1994</b> , 4, 741-745		50
233	Surface modification of polymers by reduction of diazonium salts: polymethylmethacrylate as an example. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 356-363	7.1	49
232	Sensitized Photografting of Diazonium Salts by Visible Light.. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 90-97	9.6	49
231	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> , <b>2011</b> , 364, 18-23	9.3	49
230	Electrografted aryl diazonium initiators for surface-confined photopolymerization: a new approach to designing functional polymer coatings. <i>Langmuir</i> , <b>2010</b> , 26, 11830-40	4	49
229	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> , <b>1993</b> , 60, 183-194	3.6	48

228	Room temperature detection of H <sub>2</sub> S by flexible gold-cobalt phthalocyanine heterojunction thin films. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 653-662	8.5	47
227	Clay/Polyaniline Hybrid through Diazonium Chemistry: Conductive Nanofiller with Unusual Effects on Interfacial Properties of Epoxy Nanocomposites. <i>Langmuir</i> , <b>2016</b> , 32, 3514-24	4	47
226	Electrochemical investigation of free-standing polypyrrole-silver nanocomposite films: a substrate free electrode material for supercapacitors. <i>RSC Advances</i> , <b>2013</b> , 3, 24567	3.7	47
225	One-step UV-induced modification of cellulose fabrics by polypyrrole/silver nanocomposite films. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 393, 130-7	9.3	47
224	Tandem diazonium salt electroreduction and click chemistry as a novel, efficient route for grafting macromolecules to gold surface. <i>Surface Science</i> , <b>2009</b> , 603, 3205-3211	1.8	47
223	Sonochemical synthesis of FeO@NH-mesoporous silica@Polypyrrole/Pd: A core/double shell nanocomposite for catalytic applications. <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 41, 551-561	8.9	45
222	Core/shell, protuberance-free multiwalled carbon nanotube/polyaniline nanocomposites via interfacial chemistry of aryl diazonium salts. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 418, 185-92	9.3	45
221	Design of molecularly imprinted polymer grafts with embedded gold nanoparticles through the interfacial chemistry of aryl diazonium salts. <i>Polymer</i> , <b>2011</b> , 52, 4463-4470	3.9	44
220	Chitosan-Ag-TiO films: An effective photocatalyst under visible light. <i>Carbohydrate Polymers</i> , <b>2018</b> , 199, 31-40	10.3	44
219	Molecularly imprinted polypyrrole films: Some key parameters for electrochemical picomolar detection of dopamine. <i>Journal of Electroanalytical Chemistry</i> , <b>2012</b> , 685, 21-27	4.1	43
218	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> , <b>2012</b> , 28, 8035-45	4	43
217	Synthesis, Characterization and Applications of Immobilized Iminodiacetic Acid-Modified Silica. <i>Journal of Sol-Gel Science and Technology</i> , <b>2003</b> , 28, 255-265	2.3	43
216	Mesoporous silica/polyacrylamide composite: Preparation by UV-graft photopolymerization, characterization and use as Hg(II) adsorbent. <i>Applied Surface Science</i> , <b>2016</b> , 367, 181-189	6.7	42
215	Flexible organic semiconductor thin films. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8468-8479	7.1	41
214	Photonic crystal pH sensor containing a planar defect for fast and enhanced response. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13052		41
213	XPS study of the adsorption mechanisms of DNA onto polypyrrole particles. <i>Spectroscopy</i> , <b>2004</b> , 18, 519-535		40
212	Surface properties and conductivity of bis(2-ethylhexyl) sulfosuccinate-containing polypyrrole. <i>Applied Surface Science</i> , <b>2005</b> , 249, 303-314	6.7	40
211	Phospholipid decoration of microcapsules containing perfluorooctyl bromide used as ultrasound contrast agents. <i>Biomaterials</i> , <b>2009</b> , 30, 1462-72	15.6	39

210	Adsorption of DNA onto Polypyrrole-Silica Nanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 192, 269-73	9.3	39
209	The preparation and properties of sodium and organomodified-montmorillonite/polypyrrole composites: A comparative study. <i>Synthetic Metals</i> , <b>2007</b> , 157, 347-357	3.6	39
208	Modification of indium tin oxide films by alkanethiol and fatty acid self-assembled monolayers: a comparative study. <i>Langmuir</i> , <b>2006</b> , 22, 3118-24	4	39
207	Diazonium cation-exchanged clay: an efficient, unfrequented route for making clay/polymer nanocomposites. <i>Langmuir</i> , <b>2013</b> , 29, 13323-8	4	38
206	Stabilization of nano-structured ZnO particles onto the surface of cotton fibers using different surfactants and their antimicrobial activity. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 38, 478-487	8.9	37
205	Gold-decorated polymeric monoliths: In-situ vs ex-situ immobilization strategies and flow through catalytic applications towards nitrophenols reduction. <i>Polymer</i> , <b>2015</b> , 77, 218-226	3.9	37
204	Use of aminosilane coupling agent in the synthesis of conducting, hybrid polypyrrole/silica gel particles. <i>Surface and Interface Analysis</i> , <b>1998</b> , 26, 689-698	1.5	37
203	Diazonium-based ion-imprinted polymer/clay nanocomposite for the selective extraction of lead (II) ions in aqueous media. <i>European Polymer Journal</i> , <b>2017</b> , 89, 367-380	5.2	36
202	Rational synthesis, characterization, and application of environmentally friendly (polymer/carbon dot) hybrid composite film for fast and efficient UV-assisted Cd <sup>2+</sup> removal from water. <i>Environmental Sciences Europe</i> , <b>2020</b> , 32,	5	36
201	Surface and interface physicochemical aspects of intercalated organo-bentonite. <i>International Journal of Adhesion and Adhesives</i> , <b>2014</b> , 50, 204-210	3.4	36
200	A versatile route for surface modification of carbon, metals and semi-conductors by diazonium salt-initiated photopolymerization. <i>Surface Science</i> , <b>2011</b> , 605, 1889-1899	1.8	36
199	Electro- and Photografting of Carbon or Metal Surfaces by Alkyl Groups. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18559-18565	3.8	36
198	Conductive polymer-coated textiles: The role of fabric treatment by pyrrole-functionalized triethoxysilane. <i>Synthetic Metals</i> , <b>2007</b> , 157, 914-923	3.6	36
197	Study of DNA adsorption on polypyrrole: interest of dielectric monitoring. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 62, 35-42	8.5	35
196	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> , <b>2018</b> , 215, 221-228	4.4	34
195	Quartz crystal microbalance VOCs sensor based on dip coated polyaniline emeraldine salt thin films. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 203, 647-654	8.5	34
194	Aryl diazonium salt surface chemistry and graft photopolymerization for the preparation of molecularly imprinted polymer biomimetic sensor layers. <i>Electrochimica Acta</i> , <b>2012</b> , 73, 45-52	6.7	34
193	Novel, ternary clay/polypyrrole/silver hybrid materials through in situ photopolymerization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 439, 193-199	5.1	34

192	Highly Selective Polypyrrole MIP-Based Gravimetric and Electrochemical Sensors for Picomolar Detection of Glyphosate. <i>Sensors</i> , <b>2017</b> , 17,	3.8	34
191	Characterisation of the surface thermodynamic properties of cement components by inverse gas chromatography at infinite dilution. <i>Cement and Concrete Research</i> , <b>2006</b> , 36, 305-319	10.3	34
190	Novel silicon carbide/polypyrrole composites; preparation and physicochemical properties. <i>Materials Research Bulletin</i> , <b>2005</b> , 40, 749-765	5.1	34
189	Poly(glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites. <i>European Polymer Journal</i> , <b>2015</b> , 72, 89-101	5.2	33
188	Synthesis, characterization and reinforcing properties of novel, reactive clay/poly(glycidyl methacrylate) nanocomposites. <i>Construction and Building Materials</i> , <b>2011</b> , 25, 424-431	6.7	33
187	Preparation and electrochemical behaviour of PPy/CdS composite films. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 650, 176-181	4.1	32
186	A Physicochemical Study of Polypyrrole-Silica Nanocomposites by Inverse Gas Chromatography. <i>Journal of Colloid and Interface Science</i> , <b>1997</b> , 193, 190-9	9.3	32
185	Microelectrochemical Patterning of Surfaces with Polymer Brushes. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6677-6685	9.6	32
184	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> , <b>2004</b> , 282, 314-323	2.4	32
183	Adsorption of poly(methyl methacrylate) and poly(vinyl chloride) blends onto polypyrrole. Study by X-ray photoelectron spectroscopy, time-of-flight static secondary ion mass spectroscopy, and inverse gas chromatography. <i>Journal of Chromatography A</i> , <b>2002</b> , 969, 273-85	4.5	32
182	Facile functionalization of cotton with nanostructured silver/titania for visible-light plasmonic photocatalysis. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 507, 83-94	9.3	31
181	Facile Synthesis of Oligothiophene-Capped CdS Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 1275-1284	2.3	31
180	Covalent immobilization of human serum albumin onto reactive polypyrrole-coated polystyrene latex particles. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3109		31
179	Interfacial physicochemical properties of functionalized conducting polypyrrole particles. <i>Polymer</i> , <b>2005</b> , 46, 1339-1346	3.9	31
178	Controlled adhesion of Salmonella Typhimurium to poly(oligoethylene glycol methacrylate) grafts. <i>Surface and Interface Analysis</i> , <b>2011</b> , 43, 1436-1443	1.5	30
177	Carboxylic acid-functionalized, core-shell polystyrene@polypyrrole microspheres as platforms for the attachment of CdS nanoparticles. <i>Polymer</i> , <b>2010</b> , 51, 2825-2835	3.9	29
176	Surfactant-assisted control of the surface energy and interfacial molecular interactions of polypyrrole. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2007</b> , 293, 28-38	5.1	29
175	Surface energetics of cementitious materials and their wettability by an epoxy adhesive. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 286, 78-91	5.1	29

174	An inverse gas chromatographic study of the PMMA / conducting polypyrrole interface. <i>Journal of Adhesion Science and Technology</i> , <b>1996</b> , 10, 287-303	2	29
173	Interfacial chemistry of epoxy adhesives on hydrated cement paste. <i>Surface and Interface Analysis</i> , <b>2008</b> , 40, 146-150	1.5	28
172	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> , <b>2011</b> , 21, 576-589	3.2	27
171	Anti-corrosive and oil sensitive coatings based on epoxy/polyaniline/magnetite-clay composites through diazonium interfacial chemistry. <i>Scientific Reports</i> , <b>2018</b> , 8, 13369	4.9	27
170	In situ diazonium-modified flexible ITO-coated PEN substrates for the deposition of adherent silver-polypyrrole nanocomposite films. <i>Langmuir</i> , <b>2014</b> , 30, 9397-406	4	26
169	Exfoliated clay/polyaniline nanocomposites through tandem diazonium cation exchange reactions and in situ oxidative polymerization of aniline. <i>RSC Advances</i> , <b>2014</b> , 4, 65213-65222	3.7	26
168	Ultrasensitive and selective detection of dopamine using cobalt-phthalocyanine nanopillar-based surface acoustic wave sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22378-86	9.5	26
167	Melamine-imprinted polymer grafts through surface photopolymerization initiated by aryl layers from diazonium salts. <i>Food Control</i> , <b>2013</b> , 31, 379-386	6.2	26
166	Study of adhesion and surface properties of low-density poly(ethylene) pre-treated by cold discharge plasma. <i>Polymers for Advanced Technologies</i> , <b>2007</b> , 18, 97-105	3.2	26
165	Preparation, surface chemistry, and electrical conductivity of novel silicon carbide/polypyrrole composites containing an anionic surfactant. <i>Polymer Engineering and Science</i> , <b>2007</b> , 47, 1198-1206	2.3	26
164	Characterisation of cement pastes by inverse gas chromatography. <i>Journal of Chromatography A</i> , <b>2002</b> , 969, 261-72	4.5	26
163	Inverse gas chromatographic characterization of functionalized polysiloxanes. Relevance to sensors technology. <i>Sensors and Actuators B: Chemical</i> , <b>2000</b> , 62, 1-7	8.5	26
162	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> , <b>2015</b> , 486, 218-231	5.1	25
161	Reactive Diazonium-Modified Silica Fillers for High-Performance Polymers. <i>Langmuir</i> , <b>2016</b> , 32, 11646-11654	16.54	25
160	Ligand-modified mesoporous silica SBA-15/silver hybrids for the catalyzed reduction of methylene blue. <i>RSC Advances</i> , <b>2016</b> , 6, 57672-57682	3.7	25
159	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> , <b>1994</b> , 66, 225-233	3.6	25
158	X-Ray photoelectron spectroscopy investigations of acid-base interactions in adhesion. Part 1. Estimation of polymer properties by a solvent swelling technique. <i>Journal of Materials Chemistry</i> , <b>1992</b> , 2, 209-215		25
157	Efficient Covalent Modification of Multiwalled Carbon Nanotubes with Diazotized Dyes in Water at Room Temperature. <i>Langmuir</i> , <b>2017</b> , 33, 6677-6690	4	24

156	Adsorption of human serum albumin onto polypyrrole powder and polypyrrole-silica nanocomposites. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1419-1420	3.6	24
155	Surface Plasmon-Polariton: A Novel Way To Initiate Azide-Alkyne Cycloaddition. <i>Langmuir</i> , <b>2019</b> , 35, 2023-2032	3.4	23
154	Polypyrrole-Wrapped Carbon Nanotube Composite Films Coated on Diazonium-Modified Flexible ITO Sheets for the Electroanalysis of Heavy Metal Ions. <i>Sensors</i> , <b>2020</b> , 20,	3.8	23
153	On the interfacial chemistry of aryl diazonium compounds in polymer science. <i>Chemical Papers</i> , <b>2012</b> , 66,	1.9	23
152	Polyaniline-Grafted RuO <sub>2</sub> -TiO <sub>2</sub> Heterostructure for the Catalysed Degradation of Methyl Orange in Darkness. <i>Catalysts</i> , <b>2019</b> , 9, 578	4	22
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150	Interfacial aspects of polymer brushes prepared on conductive substrates by aryl diazonium salt surface-initiated ATRP. <i>Surface and Interface Analysis</i> , <b>2008</b> , 40, 412-417	1.5	22
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13	Nitinol Modified by In Situ Generated Diazonium Salts as Adhesion Promoters for Photopolymerized Pyrrole. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11800-11808	1.8	1

12	Dimethoxytriazine-Triazole Linked Mesoporous Silica Hybrid Sorbent for Cationic Dyes Adsorption. <i>Chemistry Africa</i> ,1	2.2	1
11	Flexible, Biocompatible PET Sheets: A Platform for Attachment, Proliferation and Differentiation of Eukaryotic Cells. <i>Surfaces</i> , <b>2021</b> , 4, 306-322	2.9	1
10	Properties of silver nanoparticle-polypyrrole composite film grown on cellulosic paper. <i>Cellulose</i> , <b>2022</b> , 29, 4579	5.5	1
9	On the Use of Diazonium Salts in the Design of Catalytic Hybrid Materials and Coatings. <i>Physical Chemistry in Action</i> , <b>2022</b> , 287-308		1
8	Citric-Acid-Assisted Preparation of Biochar Loaded with Copper/Nickel Bimetallic Nanoparticles for Dye Degradation. <i>Colloids and Interfaces</i> , <b>2022</b> , 6, 18	3	0
7	Immobilization of Gold-Aryl Nanoparticles Over Graphene Oxide Platforms: Experimental and Molecular Dynamics Calculations Study. <i>Journal of Cluster Science</i> ,1	3	0
6	Nanostructured Na <sub>2</sub> CaP <sub>2</sub> O <sub>7</sub> : A New and Efficient Catalyst for One-Pot Synthesis of 2-Amino-3-Cyanopyridine Derivatives and Evaluation of Their Antibacterial Activity. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 5487	2.6	0
5	Surface Modification of Polymeric Substrates with Photo- and Sonochemically Designed Macromolecular Grafts <b>2019</b> , 273-315		
4	Surface Techniques <b>2015</b> , 191-204		
3	Mechanochemical synthesis of gold-silver nanocomposites via diazonium salts. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 137, 109231	3.1	
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1	Polymer Surface Science and Adhesion Using Diazonium Chemistry. <i>Physical Chemistry in Action</i> , <b>2022</b> , 317-343		