

Sharif Ahmad

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

7,036
citations

46
h-index

72
g-index

213
ext. papers

7,800
ext. citations

4.2
avg, IF

6.48
L-index

#	Paper	IF	Citations
208	Iron oxide nanoparticles-chitosan composite based glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 676-83	11.8	376
207	Recent advances in hydrogel based drug delivery systems for the human body. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 147-166	7.3	313
206	Vegetable oil based eco-friendly coating materials: A review article. <i>Arabian Journal of Chemistry</i> , 2014 , 7, 469-479	5.9	257
205	Iron oxide-chitosan nanobiocomposite for urea sensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 138, 572-580	8.5	175
204	Recent advances in vegetable oils based environment friendly coatings: A review. <i>Industrial Crops and Products</i> , 2015 , 76, 215-229	5.9	159
203	Synthesis, characterization and development of high performance siloxane-modified epoxy paints. <i>Progress in Organic Coatings</i> , 2005 , 54, 248-255	4.8	152
202	Fe ₃ O ₄ inverse spinal super paramagnetic nanoparticles. <i>Materials Chemistry and Physics</i> , 2012 , 132, 196-202	4.2	136
201	Soft Template Synthesis of Super Paramagnetic Fe ₃ O ₄ Nanoparticles a Novel Technique. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009 , 19, 355-360	3.2	126
200	Chitosan-iron oxide nanobiocomposite based immunosensor for ochratoxin-A. <i>Electrochemistry Communications</i> , 2008 , 10, 1364-1368	5.1	115
199	A nanostructured cerium oxide film-based immunosensor for mycotoxin detection. <i>Nanotechnology</i> , 2009 , 20, 055105	3.4	94
198	Synthesis, characterization, antibacterial and corrosion protective properties of epoxies, epoxy-polyols and epoxy-polyurethane coatings from linseed and Pongamia glabra seed oils. <i>International Journal of Biological Macromolecules</i> , 2007 , 40, 407-22	7.9	93
197	A polyesteramide from Pongamia glabra oil for biologically safe anticorrosive coating. <i>Progress in Organic Coatings</i> , 2003 , 47, 95-102	4.8	92
196	Effect of ferrofluid concentration on electrical and magnetic properties of the Fe ₃ O ₄ /PANI nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 314, 93-99	2.8	91
195	Recent development in hybrid conducting polymers: Synthesis, applications and future prospects. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 60, 53-84	6.3	90
194	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701213	10.1	86
193	Synthesis and characterization of in situ prepared poly (methyl methacrylate) nanocomposites. <i>Bulletin of Materials Science</i> , 2007 , 30, 31-35	1.7	83
192	Nanoferrite dispersed waterborne epoxy-acrylate: Anticorrosive nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2015 , 80, 77-86	4.8	82

191	Studies on urethane-modified alumina-filled polyesteramide anticorrosive coatings cured at ambient temperature. <i>Journal of Applied Polymer Science</i> , 2001 , 82, 1855-1865	2.9	80
190	Role of fumed silica on ion conduction and rheology in nanocomposite polymeric electrolytes. <i>Polymer</i> , 2006 , 47, 3583-3590	3.9	79
189	Newly developed urethane modified polyetheramide-based anticorrosive coatings from a sustainable resource. <i>Progress in Organic Coatings</i> , 2004 , 50, 224-230	4.8	77
188	Lignin nanoparticles: synthesis, characterization and corrosion protection performance. <i>New Journal of Chemistry</i> , 2018 , 42, 3415-3425	3.6	76
187	Modification of novel bio-based resin-epoxidized soybean oil by conventional epoxy resin. <i>Polymer Engineering and Science</i> , 2011 , 51, 1087-1091	2.3	72
186	A review on conducting polymer reinforced polyurethane composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 53, 1-22	6.3	70
185	Synthesis, characterization and the effect of the s-triazine ring on physico-mechanical and electrochemical corrosion resistance performance of waterborne castor oil alkyd. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14227	13	67
184	The effect of nanosized TiO ₂ addition on poly(methylmethacrylate) based polymer electrolytes. <i>Journal of Power Sources</i> , 2006 , 159, 205-209	8.9	66
183	Iron oxide-chitosan hybrid nanobiocomposite based nucleic acid sensor for pyrethroid detection. <i>Biochemical Engineering Journal</i> , 2009 , 46, 132-140	4.2	65
182	Physico-mechanical and electrochemical corrosion behavior of soy alkyd/Fe ₃ O ₄ nanocomposite coatings. <i>RSC Advances</i> , 2014 , 4, 14936-14947	3.7	64
181	Poly (urethane fatty amide) resin from linseed oil: a renewable resource. <i>Progress in Organic Coatings</i> , 2009 , 64, 27-32	4.8	63
180	Interpenetrating biopolymer network based hydrogels for an effective drug delivery system. <i>Carbohydrate Polymers</i> , 2012 , 87, 1433-1439	10.3	60
179	s-Triazine Ring-Modified Waterborne Alkyd: Synthesis, Characterization, Antibacterial, and Electrochemical Corrosion Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1246-1257	8.3	59
178	Epoxidation, hydroxylation, acrylation and urethanation of <i>Linum usitatissimum</i> seed oil and its derivatives. <i>European Journal of Lipid Science and Technology</i> , 2007 , 109, 134-146	3	59
177	Synthesis and characterization of corrosion protective polyurethane fattyamide/silica hybrid coating material. <i>Progress in Organic Coatings</i> , 2012 , 73, 112-117	4.8	56
176	Cerium oxide-chitosan based nanobiocomposite for food borne mycotoxin detection. <i>Applied Physics Letters</i> , 2009 , 95, 173703	3.4	56
175	Studies on ambient cured polyurethane modified epoxy coatings synthesized from a sustainable resource. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2002 , 45, 83-88	3.5	56
174	Hydrogels: Smart Materials for Drug Delivery. <i>Oriental Journal of Chemistry</i> , 2013 , 29, 861-870	0.8	55

173	High performance corrosion protective DGEBA/polypyrrole composite coatings. <i>Progress in Organic Coatings</i> , 2007 , 59, 138-145	4.8	53
172	Corrosion-protective performance of nano polyaniline/ferrite dispersed alkyd coatings 2008 , 5, 123-128		53
171	Development of Novel Bio-Based Soybean Oil Epoxy Resins as a Function of Hardener Stoichiometry. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 657-661		51
170	High performance corrosion resistant polyaniline/alkyd ecofriendly coatings. <i>Current Applied Physics</i> , 2009 , 9, 80-86	2.6	51
169	Facile green synthesis of nickel nanostructures using natural polyol and morphology dependent dye adsorption properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12868	13	50
168	Synthesis and characterization of antibacterial polychelates of urea-formaldehyde resin with Cr(III), Mn(II), Fe(III), Co(II), Ni(II), Cu(II), and Zn(II) metal ions. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 928-936	3.9	50
167	Silica Reinforced Organic-Inorganic Hybrid Polyurethane Nanocomposites From Sustainable Resource. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 412-419	2.6	49
166	High-Performance Soya Polyurethane Networked Silica Hybrid Nanocomposite Coatings. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 12770-12787	3.9	47
165	Acrylic-melamine modified DGEBA-epoxy coatings and their anticorrosive behavior. <i>Progress in Organic Coatings</i> , 2004 , 50, 47-54	4.8	47
164	Urethane modified boron filled polyesteramide: a novel anti-microbial polymer from a sustainable resource. <i>European Polymer Journal</i> , 2004 , 40, 2097-2104	5.2	47
163	Studies on zinc-containing linseed oil based polyesteramide. <i>Reactive and Functional Polymers</i> , 2007 , 67, 928-935	4.6	46
162	Nanocomposite electrolytes with fumed silica in poly(methyl methacrylate): thermal, rheological and conductivity studies. <i>Journal of Power Sources</i> , 2005 , 140, 151-156	8.9	46
161	Recent trends on hydrogel based drug delivery systems for infectious diseases. <i>Biomaterials Science</i> , 2016 , 4, 1535-1553	7.4	45
160	Recent Advances in Structural Modifications of Hyperbranched Polymers and Their Applications. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10754-10785	3.9	45
159	Periodate oxidized hyaluronic acid-based hydrogel scaffolds for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 853-869	7.9	45
158	Electrochromic properties of polyaniline thin film nanostructures derived from solutions of ionic liquid/polyethylene glycol. <i>Electrochimica Acta</i> , 2007 , 52, 7453-7463	6.7	45
157	Montmorillonite/graphene oxide/chitosan composite: Synthesis, characterization and properties. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 923-33	7.9	43
156	Nanostructured Iron Oxide Platform for Impedimetric Cholesterol Detection. <i>Electroanalysis</i> , 2010 , 22, 1045-1055	3	43

155	Studies on poly(styrene-co-maleic anhydride)-modified polyesteramide-based anticorrosive coatings synthesized from a sustainable resource. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2538-2544	2.9	43
154	Highly efficient low cost EMI shielding by barium ferrite encapsulated polythiophene nanocomposite. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 487-496	5.7	43
153	Compatibility and biodegradability studies of linseed oil epoxy and PVC blends. <i>Biomass and Bioenergy</i> , 2010 , 34, 396-401	5.3	42
152	Synthesis, characterization, and antimicrobial studies of newly developed metal-chelated epoxy resins. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 1347-1355	2.9	42
151	Synergistic Effects of Linseed Oil Based Waterborne Alkyd and 3-Isocyanatopropyl Triethoxysilane: Highly Transparent, Mechanically Robust, Thermally Stable, Hydrophobic, Anticorrosive Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3062-3075	8.3	41
150	Cholesterol biosensor based on electrochemically prepared polyaniline conducting polymer film in presence of a nonionic surfactant. <i>Journal of Polymer Research</i> , 2009 , 16, 363-373	2.7	41
149	Air drying polyesteramide from a sustainable resource. <i>Progress in Organic Coatings</i> , 2004 , 51, 250-256	4.8	40
148	Polyol induced interpenetrating networks: chitosan-methylmethacrylate based biocompatible and pH responsive hydrogels for drug delivery system. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 168-178	7.3	38
147	Waterborne vegetable oil epoxy coatings: Preparation and characterization. <i>Progress in Organic Coatings</i> , 2012 , 75, 248-252	4.8	38
146	Development of linseed oil based polyesteramide without organic solvent at lower temperature. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1143-1148	2.9	37
145	Composite gel electrolytes based on poly(methylmethacrylate) and hydrophilic fumed silica. <i>Electrochimica Acta</i> , 2004 , 49, 2343-2349	6.7	37
144	Studies on new polyetheramide-butylated melamine formaldehyde based anticorrosive coatings from a sustainable resource. <i>Progress in Organic Coatings</i> , 2005 , 52, 85-91	4.8	37
143	Surface-active antimicrobial and anticorrosive Oleo-Polyurethane/graphene oxide nanocomposite coatings: Synergistic effects of in-situ polymerization and π - π interaction. <i>Progress in Organic Coatings</i> , 2019 , 127, 168-180	4.8	37
142	Biocompatible and mechanically robust nanocomposite hydrogels for potential applications in tissue engineering. <i>Materials Science and Engineering C</i> , 2018 , 84, 168-179	8.3	37
141	High performance anti-corrosive epoxy/titania hybrid nanocomposite coatings. <i>New Journal of Chemistry</i> , 2017 , 41, 4599-4610	3.6	36
140	Carbon nanotubes π -chitosan nanobiocomposite for immunosensor. <i>Thin Solid Films</i> , 2010 , 519, 1160-1166	2	36
139	Synthesis, formulation, and characterization of siloxane-modified epoxy-based anticorrosive paints. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4981-4991	2.9	36
138	Periodate-Modified Gum Arabic Cross-linked PVA Hydrogels: A Promising Approach toward Photoprotection and Sustained Delivery of Folic Acid. <i>ACS Omega</i> , 2019 , 4, 16026-16036	3.9	34

137	Synthesis, characterization and corrosion protective properties of boron-modified polyurethane from natural polyol. <i>Progress in Organic Coatings</i> , 2008 , 63, 25-32	4.8	33
136	Recent development of carbon based materials for energy storage devices. <i>Materials Science for Energy Technologies</i> , 2019 , 2, 417-428	5.2	32
135	Fumed silica nanoparticles-chitosan nanobiocomposite for ochratoxin-A detection. <i>Electrochemistry Communications</i> , 2009 , 11, 1919-1923	5.1	31
134	Vanadium Pentoxide-Enwrapped Polydiphenylamine/Polyurethane Nanocomposite: High-Performance Anticorrosive Coating. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2374-2385	9.5	31
133	Plant oil polyol nanocomposite for antibacterial polyurethane coating. <i>Progress in Organic Coatings</i> , 2013 , 76, 541-547	4.8	30
132	Pyridine-poly(urethane ester amide) coatings from linseed oil. <i>Journal of Polymer Research</i> , 2008 , 15, 343-350	2.7	30
131	Development of amine-acid cured Annona squamosa oil epoxy anticorrosive polymeric coatings. <i>Progress in Organic Coatings</i> , 2006 , 55, 268-275	4.8	29
130	Hyperbranched Soya Alkyd Nanocomposite: A Sustainable Feedstock-Based Anticorrosive Nanocomposite Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9725-9734	8.3	27
129	Ambient-cured polyesteramide-based anticorrosive coatings from linseed oil—a sustainable resource. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 1818-1824	2.9	27
128	Hydrogels in tissue engineering: scope and applications. <i>Current Pharmaceutical Biotechnology</i> , 2015 , 16, 606-20	2.6	27
127	Hybrid cross-linked polyaniline-WO ₃ nanocomposite thin film for NO(x) gas sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1792-6	1.3	26
126	Development of novel conducting composites of linseed-oil-based poly(urethane amide) with nanostructured poly(1-naphthylamine). <i>Polymer International</i> , 2007 , 56, 1173-1181	3.3	26
125	Effect of Dopant on the Nanostructured Morphology of Poly (1-naphthylamine) Synthesized by Template Free Method. <i>Nanoscale Research Letters</i> , 2008 , 3, 45-48	5	26
124	Recent Progress in the Synthesis and Property Enhancement of Waterborne Polyurethane Nanocomposites: Promising and Versatile Macromolecules for Advanced Applications. <i>Polymer Reviews</i> , 2020 , 60, 226-266	14	26
123	Linseed oil polyol/ZnO bionanocomposite towards mechanically robust, thermally stable, hydrophobic coatings: a novel synergistic approach utilising a sustainable resource. <i>RSC Advances</i> , 2015 , 5, 47928-47944	3.7	25
122	Synthesis, Characterization and Performance of Amine Modified Linseed Oil Fatty Amide Coatings. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2009 , 86, 573-580	1.8	25
121	Cd and Zn-incorporated polyesteramide coating materials from seed oil—a renewable resource. <i>Progress in Organic Coatings</i> , 2007 , 59, 68-75	4.8	25
120	Castor and Linseed oil polyurethane/TEOS hybrids as protective coatings: A synergistic approach utilising plant oil polyols, a sustainable resource. <i>Progress in Organic Coatings</i> , 2017 , 108, 1-14	4.8	24

119	Linseed polyurethane/tetraethoxyorthosilane/fumed silica hybrid nanocomposite coatings: Physico-mechanical and potentiodynamic polarization measurements studies. <i>Progress in Organic Coatings</i> , 2014 , 77, 957-964	4.8	24
118	Corrosion studies of polyaniline/coconut oil poly(esteramide urethane) coatings. <i>Polymers for Advanced Technologies</i> , 2005 , 16, 541-548	3.2	24
117	pH-Responsive Biocompatible Nanocomposite Hydrogels for Therapeutic Drug Delivery.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1810-1822	4.1	24
116	Polyorthotoluidine dispersed castor oil polyurethane anticorrosive nanocomposite coatings. <i>RSC Advances</i> , 2014 , 4, 20984-20999	3.7	23
115	Development of nanostructured polyaniline dispersed smart anticorrosive composite coatings. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 882-888	3.2	23
114	Studies on epoxy-butylated melamine formaldehyde-based anticorrosive coatings from a sustainable resource. <i>Progress in Organic Coatings</i> , 2006 , 56, 207-213	4.8	23
113	Na-Montmorillonite-Dispersed Sustainable Polymer Nanocomposite Hydrogel Films for Anticancer Drug Delivery. <i>ACS Omega</i> , 2018 , 3, 15809-15820	3.9	23
112	Castor oil-TiO ₂ hyperbranched poly (ester amide) nanocomposite: a sustainable, green precursor-based anticorrosive nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018 , 123, 326-336	4.8	22
111	Linseed amide diol/DGEBA epoxy blends for coating applications: Preparation, characterization, ageing studies and coating properties. <i>Progress in Organic Coatings</i> , 2010 , 67, 170-179	4.8	22
110	Green and sustainable anticorrosive coating derived from waterborne linseed alkyd using organic-inorganic hybrid cross linker. <i>Progress in Organic Coatings</i> , 2018 , 122, 189-198	4.8	21
109	Influence of microwave irradiation on various properties of nanopolythiophene and their anticorrosive nanocomposite coatings. <i>RSC Advances</i> , 2014 , 4, 50594-50605	3.7	21
108	Effect of dopant on the corrosion protective performance of environmentally benign nanostructured conducting composite coatings. <i>Progress in Organic Coatings</i> , 2009 , 65, 405-409	4.8	21
107	Synthesis and characterization of poly(esteramide-urethane) from linseed oil as anticorrosive coatings. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 3268-3273	2.9	21
106	Copolymerization of poly(1-naphthylamine) with aniline and o-toluidine. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2604-2610	2.9	21
105	Oleo-polyurethane-carbon nanocomposites: Effects of in-situ polymerization and sustainable precursor on structure, mechanical, thermal, and antimicrobial surface-activity. <i>Composites Part B: Engineering</i> , 2019 , 164, 683-692	10	20
104	Plant oil polyol based poly (ester urethane) metallohybrid coatings. <i>Progress in Organic Coatings</i> , 2012 , 73, 118-122	4.8	20
103	Studies on self cured zinc-containing Pongamia glabra oil based polyesteramide. <i>Progress in Organic Coatings</i> , 2010 , 69, 517-521	4.8	19
102	Water-borne melamineformaldehyde-cured epoxyacrylate corrosion resistant coatings. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 215-222	2.9	19

101	In situ development of Zn/Cd-incorporated poly(esteramide-urethane) from sustainable resource. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 584-593	2.9	19
100	Ambient Cured Tartaric Acid Modified Oil Fatty Amide Anticorrosive Coatings. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005 , 42, 751-764	2.2	19
99	Barium ferrite nanoparticles: a highly effective EMI shielding material. <i>Materials Research Express</i> , 2019 , 6, 055018	1.7	18
98	Soy polyester urethane/TiO ₂ and Ce-TiO ₂ nanocomposites: preparation, characterization and evaluation of electrochemical corrosion resistance performance. <i>RSC Advances</i> , 2016 , 6, 10584-10596	3.7	18
97	Mesoporous strontium ferrite/polythiophene composite: Influence of enwrappment on structural, thermal, and electromagnetic interference shielding. <i>Composites Part B: Engineering</i> , 2019 , 175, 107143 ¹⁰		18
96	Nanocomposite polymer electrolytes by in situ polymerization of methyl methacrylate: For electrochemical applications. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 3042-3048	2.9	18
95	Miscibility Studies of Polyesteramides of Linseed Oil and Dehydrated Castor Oil with Poly(vinyl alcohol). <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2007 , 56, 437-451	3	18
94	Reduced Graphene Oxide Reinforced Waterborne Soy Alkyd Nanocomposites: Formulation, Characterization, and Corrosion Inhibition Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14820-14830	8.3	18
93	NiO nanofiller dispersed hybrid Soy epoxy anticorrosive coatings. <i>Progress in Organic Coatings</i> , 2019 , 133, 61-76	4.8	17
92	Conducting poly(o-anisidine) nanofibre dispersed epoxy-siloxane composite coatings: synthesis, characterization and corrosion protective performance. <i>New Journal of Chemistry</i> , 2016 , 40, 803-817	3.6	17
91	Synthesis, characterization, and anticorrosive coating properties of waterborne interpenetrating polymer network based on epoxy-acrylic-oleic acid with butylated melamine formaldehyde. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 827-838	2.9	17
90	Waterborne reduced graphene oxide dispersed bio-polyesteramide nanocomposites: an approach towards eco-friendly anticorrosive coatings. <i>New Journal of Chemistry</i> , 2019 , 43, 4706-4720	3.6	16
89	Novel mesoporous trimetallic strontium magnesium ferrite (Sr _{0.3} Mg _{0.7} Fe ₂ O ₄) nanocubes: A selective and recoverable magnetic nanoadsorbent for Congo red. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 336-347	5.7	16
88	Facile microwave-assisted preparation of waterborne polyesteramide/OMMT clay bio-nanocomposites for protective coatings. <i>Industrial Crops and Products</i> , 2015 , 67, 484-491	5.9	16
87	Synthesis and Characterization of Ricinoleamide-Based Polyurethane. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2011 , 88, 1989-1996	1.8	16
86	Development of Anticorrosive Poly(Ether-Urethane) Amide Coatings from Linseed Oil: A Sustainable Resource. <i>Journal of Polymers and the Environment</i> , 2010 , 18, 208-215	4.5	16
85	Development and characterization of boron incorporated linseed oil polyurethanes. <i>Journal of Applied Polymer Science</i> , 2009 , 116, 499-508	2.9	15
84	Studies on Melamine Modified Polyesteramide as Anticorrosive Coatings from Linseed Oil: A Sustainable Resource. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 773-783 ^{2.2}		15

83	Compatibility Studies on Dehydrated Castor Oil Epoxy Blend with Poly(Methacrylic Acid). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005 , 42, 1409-1421	2.2	15
82	Synthesis and characterization of surface-active antimicrobial hyperbranched polyurethane coatings based on oleo-ethers of boric acid. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2689-2701	5.9	15
81	Preparation and characterization of nanostructured biohybrid. <i>Progress in Organic Coatings</i> , 2011 , 72, 469-472	4.8	14
80	Template Polymerization of Nano-Scale Poly(1-Naphthylamine): Effect of Oxidant on the Spectral, Thermal and Morphological Characteristics. <i>Designed Monomers and Polymers</i> , 2008 , 11, 201-214	3.1	14
79	Synthesis, characterization, and performance evaluation of hard, anticorrosive coating materials derived from diglycidyl ether of bisphenol A acrylates and methacrylates. <i>Journal of Applied Polymer Science</i> , 2005 , 95, 494-501	2.9	14
78	Bi-doped barium ferrite decorated polythiophene nanocomposite: influence of Bi-doping on structure, morphology, thermal and EMI shielding behavior for X-band. <i>Journal of Materials Science</i> , 2020 , 55, 15894-15907	4.3	14
77	Synergistic effect of nanosize and irradiation on epoxy/conducting poly(o-phenyldiamine) nanospheres composite coatings: Synthesis, characterization and corrosion protective performance. <i>Materials Chemistry and Physics</i> , 2018 , 204, 282-293	4.4	14
76	Graphene oxide dispersed polyvinyl chloride/alkyd green nanocomposite film: Processing and physico-mechanical properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 68, 246-256	6.3	13
75	Formulation of a promising antimicrobial and anticorrosive bi-functional boronated hyperbranched oleo-polyurethane composite coating through the exploitation of functionalized reduced graphene oxide as chain extender. <i>Applied Surface Science</i> , 2019 , 494, 196-210	6.7	13
74	Studies on Ambient Cured Biobased Mn(II), Co(II) and Cu(II) Containing Metallopolyesteramides. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 646-654	3.2	13
73	Effect of microwave processing on the spectral, mechanical, thermal, and morphological characteristics of sustainable resource based castor oil Epoxy/PVA blends. <i>Advances in Polymer Technology</i> , 2011 , 30, 96-109	1.9	13
72	Development of sustainable resource-based nanostructured polyaniline/castor oil polyurethane composites. <i>Advances in Polymer Technology</i> , 2009 , 28, 26-31	1.9	13
71	Comparison of corrosion protective performance of nanostructured polyaniline and poly(1-naphthylamine)-based alkyd coatings on mild steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2009 , 60, 280-286	1.6	13
70	Nanostructured polyaniline reinforced sustainable resource (soy oil alkyd) based composites. <i>Polymer Composites</i> , 2010 , 31, 32-37	3	13
69	Pseudo template synthesis of poly (1-naphthylamine): effect of environment on nanostructured morphology. <i>Journal of Nanoparticle Research</i> , 2008 , 10, 1209-1214	2.3	13
68	Development and characterization of vinylated polyesteramide from non-edible seeds oils. <i>Progress in Organic Coatings</i> , 2006 , 56, 1-7	4.8	13
67	Alumina-Incorporated Polyesteramide from Non-Edible Seed Oils. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 1409-1419	2.2	13
66	Pseudothermoset blends of poly (methyl methacrylate) and polypyrrole morphological, thermal, and conductivity studies. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 82-91	2.9	13

65	Nitric oxide inhibition, antioxidant, and antitumour activities of novel copper(II) bis-benzimidazole diamide nanocoordination complexes. <i>New Journal of Chemistry</i> , 2015 , 39, 4316-4327	3.6	12
64	Conducting poly(o-anisidine-co-o-phenyldiamine) nanorod dispersed epoxy composite coatings: synthesis, characterization and corrosion protective performance. <i>RSC Advances</i> , 2015 , 5, 94933-94948	3.7	12
63	Development of Nanostructured Poly (o-toluidine) Reinforced Organic/Inorganic Hybrid Composites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 662-670	3.2	12
62	Synthesis and Characterization of Boron Incorporated Polyester Polyol from Linseed Oil: A Sustainable Material. <i>Macromolecular Symposia</i> , 2009 , 277, 130-137	0.8	12
61	Microwave Assisted Synthesis of Bio Based Metallopolypyrroloneamide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 61-68	3.2	11
60	Development of novel waterborne poly(1-naphthylamine)/poly(vinylalcohol)/resorcinol formaldehyde-cured corrosion resistant composite coatings. <i>Progress in Organic Coatings</i> , 2008 , 62, 32-39	4.8	11
59	In-situ synthesis of synergistically active ceria doped polypyrrole oleo-polyesteramide hybrid nanocomposite coatings: Corrosion protection and flame retardancy behaviour. <i>Progress in Organic Coatings</i> , 2020 , 147, 105778	4.8	10
58	Miscibility behavior of blend of polyesteramides of linseed oil and dehydrated castor oil with poly(methacrylic acid). <i>Journal of Applied Polymer Science</i> , 2007 , 103, 1367-1374	2.9	10
57	Studies on miscibility of dehydrated castor oil epoxy blend with poly(methyl methacrylate). <i>Journal of Applied Polymer Science</i> , 2006 , 100, 3094-3100	2.9	10
56	Conducting Semi-interpenetrating Polymer Network of Polypyrrole with Poly(esteramide urethane) Synthesized from a Sustainable Resource. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005 , 42, 521-533	2.2	10
55	Injectable, Self-Healing, and Biocompatible α -Carboxymethyl Chitosan/Multialdehyde Guar Gum Hydrogels for Sustained Anticancer Drug Delivery. <i>Biomacromolecules</i> , 2021 , 22, 3731-3745	6.9	10
54	Linseed polyol-assisted, microwave-induced synthesis of nano CuO embedded in polyol-polyester matrix: antifungal behavior and coating properties. <i>Progress in Organic Coatings</i> , 2017 , 105, 200-211	4.8	9
53	Self-Healing and Injectable Hydrogels for Anticancer Drug Delivery: A Study with Multialdehyde Gum Arabic and Succinic Anhydride Chitosan.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 8460-8470	4.1	9
52	Electrochemical corrosion resistance performance of sustainable resource-based nanoconducting polymer composites in alkaline medium. <i>Journal of Solid State Electrochemistry</i> , 2014 , 18, 1855-1867	2.6	9
51	Studies on Boron Containing Poly(urethane fattyamide). <i>Macromolecular Symposia</i> , 2010 , 290, 79-84	0.8	9
50	New biocidal metal complexes of bisphenol-A formaldehyde polymer containing piperazine. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 2639-2648	1.6	9
49	Comparative study of polyaniline and poly(1-naphthylamine) dispersed oil polyurethane coatings. <i>Anti-Corrosion Methods and Materials</i> , 2008 , 55, 308-316	0.8	9
48	Renewable resources in corrosion resistance 2012 ,		8

47	A comparative study on camphorsulphonic acid modified montmorillonite clay based conducting polymer nanocomposites. <i>Polymer Composites</i> , 2010 , 31, 906-912	3	8
46	Template free synthesis of nanoparticles of poly (1-naphthylamine): influence of alcoholic medium on polymerization. <i>Colloid and Polymer Science</i> , 2008 , 286, 459-462	2.4	8
45	Synthesis and Characterization of Novel Poly(1-Naphthylamine)-Montmorillonite Nanocomposites Intercalated by Emulsion Polymerization. <i>Journal of Macromolecular Science - Physics</i> , 2006 , 45, 1109-1123	1.4	8
44	Influence of carbon nanodots encapsulated polycarbazole hybrid on the corrosion inhibition performance of polyurethane nanocomposite coatings. <i>New Journal of Chemistry</i> , 2019 , 43, 10278-10290	3.6	7
43	Synthesis and characterisation of poly (methylmethacrylate)-silica composites. <i>Materials Research Express</i> , 2018 , 5, 085312	1.7	7
42	Development of polyaniline-polydimethylsiloxane adduct nanoparticle dispersed butylated melamine formaldehyde cured soy alkyd. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 365-372	2.9	7
41	Hot Corrosion Behaviour of 18Cr–8Ni Austenitic Steel in Presence of Na ₂ SO ₄ and Transition Metal Salts. <i>Transactions of the Japan Institute of Metals</i> , 1984 , 25, 168-178		7
40	Hydrophobic, Mechanically Robust Polysorbate-Enveloped Cerium Oxide-Dispersed Oleo-Polyetheramide Nanocomposite Coatings for Anticorrosive and Anti-Icing Applications. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6617-6628	3.9	6
39	Influence of boron incorporation on poly(phenyldiammine) nanostructures: Novel, well-defined and highly conducting nanospheres dispersed smart corrosion protective epoxy coatings. <i>Composites Communications</i> , 2018 , 9, 81-85	6.7	6
38	Rapid intercalation of sustainable resource-based linseed oil fatty amide polymer precursor in cloisite 93A by microwave-assisted method. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 2317-2323	2.9	6
37	Effect of solvent on the characteristics of nanostructured composites of poly (1-naphthylamine) with poly (vinyl alcohol). <i>Current Applied Physics</i> , 2009 , 9, 581-587	2.6	6
36	Development of novel conducting composites of nanostructured poly(1-naphthylamine) with poly(vinyl chloride). <i>Polymer Composites</i> , 2009 , 30, 528-533	3	6
35	Development of a Sustainable Resource Based Conducting Composite of Polyaniline-Poly(esteramideurethane). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006 , 43, 679-687	2.2	6
34	Influence of Carbon on the Hot Corrosion Behaviour of Fe-Base Alloys. <i>Materials Transactions, JIM</i> , 1989 , 30, 707-716		6
33	Covalently functionalized ethylene diamine modified graphene oxide poly-paraphenylene diamine dispersed polyurethane anticorrosive nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2021 , 150, 105966	4.8	5
32	Investigation of Miscibility of Linseed Oil Epoxy with Poly(vinyl alcohol). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007 , 44, 1115-1120	2.2	4
31	Functionalization of industrial polypropylene films via the swift-heavy-ion-induced grafting of glycidyl methacrylate. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3578-3587	2.9	4
30	Effect of processing conditions on the characteristics of nanostructured composites of poly(1-naphthylamine). <i>Advances in Polymer Technology</i> , 2008 , 27, 40-46	1.9	4

29	Miscibility studies on linseed oil epoxy blend with poly(methacrylic acid). <i>Journal of Applied Polymer Science</i> , 2006 , 99, 2512-2519	2.9	4
28	Self-cured polymers from non-drying oil. <i>Chemistry and Chemical Technology</i> , 2008 , 2, 285-293	0.9	4
27	Conducting polyborozirconia(o-toluidine) nanostructures: Effect of boron and zirconia doping on synthesis, characterization and their corrosion protective performance. <i>Composites Communications</i> , 2019 , 16, 143-149	6.7	3
26	Evaluation of antibacterial activity of nanostructured poly(1-naphthylamine) and its composites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 1535-46	3.5	3
25	Synthesis and Characterization of Piperazine-Modified Linseed Oil Fatty Amide Coatings. <i>International Journal of Polymer Analysis and Characterization</i> , 2006 , 11, 171-184	1.7	3
24	Composite polymeric electrolytes based on PMMA-LiCF ₃ SO ₃ -SiO ₂ . <i>Ionics</i> , 2003 , 9, 439-443	2.7	3
23	Chapter 2: Design and Engineering of Nanogels. <i>RSC Smart Materials</i> , 2017 , 9-28	0.6	3
22	Recent Advances in Environment-Friendly Alkyd Nanocomposites Towards Greener Coatings 2016 ,		3
21	Influence of medium on structure, morphology and electrochemical properties of polydiphenylamine/vanadium pentoxide composite. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	3
20	Facile hydrophilic chitosan and graphene oxide modified sustainable non-woven fabric composite sieve membranes (NWF@Cs/Gx): Antifouling, protein rejection, and oil-water emulsion separation studies. <i>Chemical Engineering Research and Design</i> , 2022 , 181, 220-238	5.5	3
19	Comparative studies of the rheological behaviour of oil epoxy and oil polyesteramide blends with polymethacrylic acid. <i>Arabian Journal of Chemistry</i> , 2017 , 10, S1814-S1820	5.9	2
18	Copper nano composites functionalized by bis-benzimidazole diamide ligand: Effect of size, co-anion dependent conductivity and band gap studies. <i>Materials Chemistry and Physics</i> , 2012 , 137, 118-128	1.4	2
17	Influence of polymerization conditions on the template free synthesis of nanoparticles of poly(1-naphthylamine). <i>Polymer Bulletin</i> , 2008 , 60, 487-493	2.4	2
16	External Stimuli Responsive Characteristics of Epoxy-Polyamide/Starch Blend Films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2003 , 40, 1183-1197	2.2	2
15	Electromagnetic interference shielding performance by thermally stable magnesium ferrite encapsulated polythiophene composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 19191-19202	2.1	2
14	Conducting polymer composites: An efficient EMI shielding material 2020 , 257-266		1
13	Impact of Nanoclay on the pH-Responsiveness and Biodegradable Behavior of Biopolymer-Based Nanocomposite Hydrogels. <i>Gels</i> , 2019 , 5,	4.2	1
12	Nanotechnology for Therapeutics 2017 , 25-40		1

11	Pongamia glabra seed oil based poly(urethane fatty amide). <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	1
10	Composite polymeric electrolytes based on PMMA-LiCF ₃ SO ₃ -SiO ₂ . <i>Ionics</i> , 2004 , 10, 268-272	2.7	1
9	Oxidation behaviour of silicate-chromate and oxide coated 303 steel in presence of ionic salts over temperature range 400-1000°C. <i>Corrosion Engineering Science and Technology</i> , 1985 , 20, 71-83		1
8	Biobased Pharmaceutical Polymer Nanocomposite: Synthesis, Chemistry and Antifungal Study 327-350		1
7	In situ synthesis of high-performance 4,4'-diaminodiphenylsulfone modified oleo-alkyd nanocomposite coatings: role of hybrid nanofillers on physico-mechanical, hydrophobic and corrosion protective performance. <i>New Journal of Chemistry</i> , 2020 , 44, 17924-17937	3.6	1
6	Significance of naturally derived materials for potential EMI shields 2020 , 63-72		
5	Polymeric nanocomposite coatings 2020 , 363-378		
4	Rheological Behaviour of Dehydrated Castor Oil Epoxy (Dcoe) Blend with Polymethylmethacrylate (Pmma). <i>Polymers From Renewable Resources</i> , 2014 , 5, 91-98	0.4	
3	Grafting of glycidyl methacrylate onto swift-nickel-ions irradiated polypropylene films using chemical initiator. <i>Polymer Engineering and Science</i> , 2009 , 49, 881-888	2.3	
2	Unveiling nanoconducting polymers and composites for corrosion protection 2019 , 373-395		
1	Antimicrobial polymer nanocomposite films and coatings 2021 , 379-397		