Ufana Riaz

List of Publications by Year
in descending order

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183	4,669	94269	161609
papers	citations	37 h-index	54 g-index

188	188	188	3421
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development and characterization of a wood adhesive using bagasse lignin. International Journal of Adhesion and Adhesives, 2004, 24, 485-493.	1.4	145
2	Soft Template Synthesis of Super Paramagnetic Fe3O4 Nanoparticles a Novel Technique. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 355-360.	1.9	144
3	Enhancement of photocatalytic properties of transitional metal oxides using conducting polymers: A mini review. Materials Research Bulletin, 2015, 71, 75-90.	2.7	107
4	Recent advances in corrosion protective composite coatings based on conducting polymers and natural resource derived polymers. Progress in Organic Coatings, 2014, 77, 743-756.	1.9	105
5	Synthesis, characterization, antibacterial and corrosion protective properties of epoxies, epoxy-polyols and epoxy-polyurethane coatings from linseed and Pongamia glabra seed oils. International Journal of Biological Macromolecules, 2007, 40, 407-422.	3.6	103
6	Effect of ferrofluid concentration on electrical and magnetic properties of the Fe3O4/PANI nanocomposites. Journal of Magnetism and Magnetic Materials, 2007, 314, 93-99.	1.0	102
7	A polyesteramide from Pongamia glabra oil for biologically safe anticorrosive coating. Progress in Organic Coatings, 2003, 47, 95-102.	1.9	98
8	Studies on urethane-modified alumina-filled polyesteramide anticorrosive coatings cured at ambient temperature. Journal of Applied Polymer Science, 2001, 82, 1855-1865.	1.3	88
9	Newly developed urethane modified polyetheramide-based anticorrosive coatings from a sustainable resource. Progress in Organic Coatings, 2004, 50, 224-230.	1.9	80
10	Eucalyptus bark lignin substituted phenol formaldehyde adhesives: A study on optimization of reaction parameters and characterization. Journal of Applied Polymer Science, 2004, 92, 3514-3523.	1.3	80
11	A Versatile Synthesis of Substituted Benzimidazolium Salts by an Amination/Ring Closure Sequence. Organic Letters, 2001, 3, 2673-2676.	2.4	74
12	Epoxidation, hydroxylation, acrylation and urethanation ofLinum usitatissimum seed oil and its derivatives. European Journal of Lipid Science and Technology, 2007, 109, 134-146.	1.0	67
13	Studies on ambient cured polyurethane modified epoxy coatings synthesized from a sustainable resource. Progress in Crystal Growth and Characterization of Materials, 2002, 45, 83-88.	1.8	65
14	Studies on thermal characterization of lignin. Journal of Thermal Analysis and Calorimetry, 2007, 89, 993-1000.	2.0	63
15	Corrosion-protective performance of nano polyaniline/ferrite dispersed alkyd coatings. Journal of Coatings Technology Research, 2008, 5, 123-128.	1.2	61
16	Acrylic-melamine modified DGEBA-epoxy coatings and their anticorrosive behavior. Progress in Organic Coatings, 2004, 50, 47-54.	1.9	59
17	High performance corrosion protective DGEBA/polypyrrole composite coatings. Progress in Organic Coatings, 2007, 59, 138-145.	1.9	57
18	High performance corrosion resistant polyaniline/alkyd ecofriendly coatings. Current Applied Physics, 2009, 9, 80-86.	1.1	56

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19	Studies on poly(styrene-co-maleic anhydride)-modified polyesteramide-based anticorrosive coatings synthesized from a sustainable resource. Journal of Applied Polymer Science, 2004, 92, 2538-2544.	1.3	54
20	Urethane modified boron filled polyesteramide: a novel anti-microbial polymer from a sustainable resource. European Polymer Journal, 2004, 40, 2097-2104.	2.6	54
21	Studies on zinc-containing linseed oil based polyesteramide. Reactive and Functional Polymers, 2007, 67, 928-935.	2.0	52
22	Multiwalled carbon nanotubeâ€“polyurethane (MWCNT/PU) composite adsorbent for safranin T and Pb(II) removal from aqueous solution: Batch and fixed-bed studies. Journal of Molecular Liquids, 2015, 212, 467-479.	2.3	50
23	Role of Conducting Polymers in Enhancing TiO₂-based Photocatalytic Dye Degradation: A Short Review. Polymer-Plastics Technology and Engineering, 2015, 54, 1850-1870.	1.9	48
24	Microwave-assisted green synthesis of some nanoconjugated copolymers: characterisation and fluorescence quenching studies with bovine serum albumin. New Journal of Chemistry, 2016, 40, 4643-4653.	1.4	48
25	Compatibility and biodegradability studies of linseed oil epoxy and PVC blends. Biomass and Bioenergy, 2010, 34, 396-401.	2.9	47
26	Tuning the spectral, thermal and fluorescent properties of conjugated polymers via random copolymerization of hole transporting monomers. RSC Advances, 2017, 7, 32757-32768.	1.7	47
27	Influence of Luminol Doping of Poly(o-phenylenediamine) on the Spectral, Morphological, and Fluorescent properties: A Potential Fluorescent Marker for Early detection and Diagnosis of Leishmania donovani. ACS Applied Materials & Interfaces, 2017, 9, 33159-33168.	4.0	46
28	Highly Efficient Photocatalytic Degradation of Amido Black 10B Dye Using Polycarbazole-Decorated TiO₂ Nanohybrids. ACS Omega, 2017, 2, 8354-8365.	1.6	46
29	Development of linseed oil based polyesteramide without organic solvent at lower temperature. Journal of Applied Polymer Science, 2007, 104, 1143-1148.	1.3	44
30	Microwave-assisted degradation of acid orange using a conjugated polymer, polyaniline, as catalyst. Arabian Journal of Chemistry, 2014, 7, 79-86.	2.3	43
31	Air drying polyesteramide from a sustainable resource. Progress in Organic Coatings, 2004, 51, 250-256.	1.9	42
32	Facile synthesis of novel polypyrrole dispersed AgFeO₂nanohybrid with highly efficient photocatalytic activity towards 2,4,6-trichlorophenol degradation. RSC Advances, 2018, 8, 13218-13225.	1.7	41
33	Studies on new polyetheramide-butylated melamine formaldehyde based anticorrosive coatings from a sustainable resource. Progress in Organic Coatings, 2005, 52, 85-91.	1.9	40
34	Synthesis, formulation, and characterization of siloxane-modified epoxy-based anticorrosive paints. Journal of Applied Polymer Science, 2006, 100, 4981-4991.	1.3	40
35	Sonochemical Facile Synthesis of Self-Assembled Poly(o-phenylenediamine)/Cobalt Ferrite Nanohybrid with Enhanced Photocatalytic Activity. Industrial & Engineering Chemistry Research, 2016, 55, 6300-6309.	1.8	40
36	Visibleâ€“light driven photocatalytic degradation of bisphenol-A using ultrasonically synthesized polypyrrole/K-birnessite nanohybrids: Experimental and DFT studies. Journal of Environmental Sciences, 2019, 79, 161-173.	3.2	40

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37	Tuning the optical properties of poly(o-phenylenediamine-co-pyrrole) via template mediated copolymerization. Designed Monomers and Polymers, 2018, 21, 75-81.	0.7	39
38	Biodegradable conducting polymeric materials for biomedical applications: a review. Medical Devices & Sensors, 2021, 4, e10141.	2.7	39
39	The potential of antioxidant rich essential oils against avian coccidiosis. World's Poultry Science Journal, 2017, 73, 89-104.	1.4	38
40	A short review on the synthesis, characterization, and application studies of poly(1-naphthylamine): a seldom explored polyaniline derivative. Colloid and Polymer Science, 2017, 295, 1443-1453.	1.0	38
41	Comparative studies of the photocatalytic and microwave â€“assisted degradation of alizarin red using ZnO/poly(1- naphthylamine) nanohybrids. Journal of Molecular Liquids, 2016, 216, 259-267.	2.3	37
42	Microwave-Assisted Degradation of Paracetamol Drug Using Polythiophene-Sensitized Agâ€“Ag₂O Heterogeneous Photocatalyst Derived from Plant Extract. ACS Omega, 2020, 5, 16386-16394.	1.6	36
43	Photocatalytic degradation of water pollutants using conducting polymer-based nanohybrids: A review on recent trends and future prospects. Journal of Molecular Liquids, 2021, 340, 117162.	2.3	36
44	Conducting polymers/zinc oxide-based photocatalysts for environmental remediation: a review. Environmental Chemistry Letters, 2022, 20, 2063-2083.	8.3	35
45	Facile synthesis of polypyrrole encapsulated V2O5 nanohybrids for visible light driven green sonophotocatalytic degradation of antibiotics. Journal of Molecular Liquids, 2018, 272, 834-850.	2.3	34
46	Highly efficient visible light driven photocatalytic activity of MnO2 and Polythiophene/MnO2 nanohybrids against mixed organic pollutants. Journal of Molecular Structure, 2020, 1207, 127790.	1.8	33
47	Microwave-assisted facile synthesis of poly(luminol-co-phenylenediamine) copolymers and their potential application in biomedical imaging. RSC Advances, 2018, 8, 37165-37175.	1.7	32
48	Cd and Zn-incorporated polyesteramide coating materials from seed oilâ€”A renewable resource. Progress in Organic Coatings, 2007, 59, 68-75.	1.9	30
49	Pyridine-poly(urethane ester amide) coatings from linseed oil. Journal of Polymer Research, 2008, 15, 343-350.	1.2	30
50	Effect of Dopant on the Nanostructured Morphology of Poly (1-naphthylamine) Synthesized by Template Free Method. Nanoscale Research Letters, 2008, 3, .	3.1	30
51	Double Layered Hydroxides as Potential Anti-Cancer Drug Delivery Agents. Mini-Reviews in Medicinal Chemistry, 2013, 13, 522-529.	1.1	30
52	Synthesis of chiral N,Nâ€²-disubstituted 1,2-benzenediamines from o-dibromobenzene. Tetrahedron: Asymmetry, 2000, 11, 1703-1707.	1.8	29
53	Ambient-cured polyesteramide-based anticorrosive coatings from linseed oilâ€”A sustainable resource. Journal of Applied Polymer Science, 2005, 97, 1818-1824.	1.3	29
54	Synergistic effect of microwave irradiation and conjugated polymeric catalyst in the facile degradation of dyes. RSC Advances, 2014, 4, 47153-47162.	1.7	29

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55	Sonolytic doping of poly(1-naphthylamine) with luminol: influence on spectral, morphological and fluorescent characteristics. Colloid and Polymer Science, 2017, 295, 715-724.	1.0	29
56	Synthesis, characterization and potential applications of Poly(o-phenylenediamine) based copolymers and Nanocomposites: A comprehensive review. European Polymer Journal, 2021, 156, 110600.	2.6	29
57	Development of novel conducting composites of linseed-oil-based poly(urethane amide) with nanostructured poly(1-naphthylamine). Polymer International, 2007, 56, 1173-1181.	1.6	28
58	Tuning the spectral, morphological and photophysical properties of sonochemically synthesized poly(carbazole) using acid Orange, fluorescein and rhodamine 6G. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 986-993.	2.0	28
59	Development of nanostructured polyaniline dispersed smart anticorrosive composite coatings. Polymers for Advanced Technologies, 2008, 19, 882-888.	1.6	27
60	Synthesis, Characterization and Performance of Amine Modified Linseed Oil Fatty Amide Coatings. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 573-580.	0.8	27
61	Microwave-Assisted Solid State in Situ Polymerization and Intercalation of Poly(carbazole) between Bentonite Layers: Effect of Microwave Irradiation and Gallery Confinement on the Spectral, Fluorescent, and Morphological Properties. Journal of Physical Chemistry C, 2012, 116, 12366-12374.	1.5	27
62	Spectroscopic and Biophysical Interaction Studies of Water-soluble Dye modified poly(o-phenylenediamine) for its Potential Application in BSA Detection and Bioimaging. Scientific Reports, 2019, 9, 8544.	1.6	27
63	Development and characterization of a ligninâ€“phenolâ€“formaldehyde wood adhesive using coffee bean shell. Journal of Adhesion Science and Technology, 2005, 19, 493-509.	1.4	26
64	Corrosion studies of polyaniline/coconut oil poly(esteramide urethane) coatings. Polymers for Advanced Technologies, 2005, 16, 541-548.	1.6	25
65	Mechanical, morphological and biodegradation studies of microwave processed nanostructured blends of some bio-based oil epoxies with poly (vinyl alcohol). Polymer Degradation and Stability, 2011, 96, 33-42.	2.7	25
66	Studies on epoxy-butylated melamine formaldehyde-based anticorrosive coatings from a sustainable resource. Progress in Organic Coatings, 2006, 56, 207-213.	1.9	24
67	Waterâ€borne melamineâ€“formaldehydeâ€cured epoxyâ€“acrylate corrosion resistant coatings. Journal of Applied Polymer Science, 2008, 107, 215-222.	1.3	24
68	Photocatalytic degradation of anti-inflammatory drug using POPD/Sb2O3 organic-inorganic nanohybrid under solar light. Journal of Materials Research and Technology, 2019, 8, 4079-4093.	2.6	24
69	Facile synthesis of MnO2 nanorods and ZnMn2O4 nanohexagons: a comparison of microwave-assisted catalytic activity against 4-nitrophenol degradation. Journal of Materials Research and Technology, 2020, 9, 9709-9719.	2.6	24
70	Copolymerization of poly(1â€naphthylamine) with aniline and oâ€toluidine. Journal of Applied Polymer Science, 2008, 108, 2604-2610.	1.3	23
71	In situ development of Zn/Cdâ€incorporated poly(esteramideâ€urethane) from sustainable resource. Journal of Applied Polymer Science, 2008, 110, 584-593.	1.3	23
72	Plant oil polyol based poly (ester urethane) metallohybrid coatings. Progress in Organic Coatings, 2012, 73, 118-122.	1.9	23

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73	Sonolytically intercalated poly(anisidine-co-toluidine)/bentonite nanocomposites: pH responsive drug release characteristics. Journal of Drug Delivery Science and Technology, 2018, 48, 49-58.	1.4	23
74	Microwave-assisted rapid degradation of DDT using nanohybrids of PANI with SnO2 derived from Psidium Guajava extract. Environmental Pollution, 2020, 259, 113917.	3.7	23
75	Highly efficient degradation of metronidazole drug using CaFe2O4/PNA nanohybrids as metal-organic catalysts under microwave irradiation. Environmental Science and Pollution Research, 2021, 28, 4125-4135.	2.7	23
76	Tailoring of conducting polymers via copolymerization â€“ A review. European Polymer Journal, 2021, 155, 110561.	2.6	23
77	Effect of dopant on the corrosion protective performance of environmentally benign nanostructured conducting composite coatings. Progress in Organic Coatings, 2009, 65, 405-409.	1.9	22
78	Semi-conducting poly(1-naphthylamine) nanotubes: A pH independent adsorbent of sulphonate dyes. Chemical Engineering Journal, 2011, 174, 546-555.	6.6	22
79	Latent photocatalytic behavior of semi-conducting poly(1-naphthylamine) nanotubes in the degradation of Comassie Brilliant Blue RG-250. Separation and Purification Technology, 2012, 95, 97-102.	3.9	22
80	Rapid catalytic degradation of amoxicillin drug using ZnFe2O4/PCz nanohybrids under microwave irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114713.	1.7	22
81	Synthesis of nanohybrids of polycarbazole with Î±-MnO2 derived from Brassica oleracea: a comparison of photocatalytic degradation of an antibiotic drug under microwave and UV irradiation. Environmental Science and Pollution Research, 2020, 27, 24173-24189.	2.7	22
82	Microwave-induced catalytic degradation of a textile dye using bentoniteâ€“poly(o-toluidine) nanohybrid. RSC Advances, 2015, 5, 3276-3285.	1.7	21
83	A comprehensive review on the photocatalytic activity of polythiophene-based nanocomposites against degradation of organic pollutants. Catalysis Science and Technology, 2021, 11, 6630-6648.	2.1	21
84	Ambient Cured Tartaric Acid Modified Oil Fatty Amide Anticorrosive Coatings. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 751-764.	1.2	20
85	Catalytic degradation of orange G under microwave irradiation with a novel nanohybrid catalyst. Journal of Environmental Chemical Engineering, 2015, 3, 20-29.	3.3	20
86	Microwaveâ€assisted synthesis of copolymers of luminol with anisidine: Effect on spectral, thermal and fluorescence characteristics. Polymers for Advanced Technologies, 2018, 29, 1007-1017.	1.6	20
87	Luminol modified polycarbazole and poly(o-anisidine): Theoretical insights compared with experimental data. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 64-72.	2.0	20
88	Compatibility Studies on Dehydrated Castor Oil Epoxy Blend with Poly(Methacrylic Acid). Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1409-1421.	1.2	19
89	Miscibility Studies of Polyesteramides of Linseed Oil and Dehydrated Castor Oil with Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	19
90	Microwave-assisted solid state intercalation of Rhodamine B and polycarbazole in bentonite clay interlayer space: structural characterization and photophysics of double intercalation. RSC Advances, 2016, 6, 34534-34545.	1.7	19

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91	A short review on the synthesis and advance applications of polyaniline hydrogels. RSC Advances, 2022, 12, 19122-19132.	1.7	19
92	Synthesis, characterization, and anticorrosive coating properties of waterborne interpenetrating polymer network based on epoxyâ€acrylicâ€oleic acid with butylated melamine formaldehyde. Journal of Applied Polymer Science, 2009, 113, 827-838.	1.3	18
93	Evaluation of Antibacterial Activity of Nanostructured Copolymers of Poly (Naphthylamine). International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 406-410.	1.8	18
94	Mechanochemically synthesized poly(o-toluidine)-intercalated montmorillonite nanocomposites as antituberculosis drug carriers. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 221-228.	1.8	18
95	Studies on Melamine Modified Polyesteramide as Anticorrosive Coatings from Linseed Oil: A Sustainable Resource. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 773-783.	1.2	17
96	Aluminaâ€Incorporated Polyesteramide from Nonâ€Edible Seed Oils. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1409-1419.	1.2	17
97	Development of novel waterborne poly(1-naphthylamine)/poly(vinylalcohol)â€“resorcinol formaldehyde-cured corrosion resistant composite coatings. Progress in Organic Coatings, 2008, 62, 32-39.	1.9	17
98	Development of Anticorrosive Poly(Ether-Urethane) Amide Coatings from Linseed Oil: A Sustainable Resource. Journal of Polymers and the Environment, 2010, 18, 208-215.	2.4	17
99	Studies on Ambient Cured Biobased Mn(II), Co(II) and Cu(II) Containing Metallopolyesteramides. Journal of Inorganic and Organometallic Polymers and Materials, 2011, 21, 646-654.	1.9	17
100	Effect of pH on the microwave-assisted degradation of methyl orange using poly(1-naphthylamine) nanotubes in the absence of UVâ€visible radiation. Colloid and Polymer Science, 2015, 293, 1035-1042.	1.0	17
101	Spectral, thermal and morphological characteristics of ultrasonically synthesized poly(anisidine- co) Tj ETQq1 1 0.784314 rgBT /Overlock Molecular Liquids, 2018, 261, 1-13.	2.3	17
102	Pseudothermoset blends of poly (methyl methacrylate) and polypyrrole morphological, thermal, and conductivity studies. Journal of Applied Polymer Science, 2004, 93, 82-91.	1.3	16
103	Comparison of corrosion protective performance of nanostructured polyaniline and poly(1â€naphthylamine)â€based alkyd coatings on mild steel. Materials and Corrosion - Werkstoffe Und Korrosion, 2009, 60, 280-286.	0.8	16
104	Effect of microwave irradiation time and temperature on the spectroscopic and morphological properties of nanostructured poly(carbazole) synthesized within bentonite clay galleries. New Journal of Chemistry, 2014, 38, 4219-4228.	1.4	16
105	Synthesis, characterization, and performance evaluation of hard, anticorrosive coating materials derived from diglycidyl ether of bisphenol A acrylates and methacrylates. Journal of Applied Polymer Science, 2005, 95, 494-501.	1.3	15
106	Development and characterization of vinylated polyesteramide from non-edible seeds oils. Progress in Organic Coatings, 2006, 56, 1-7.	1.9	15
107	Pseudo template synthesis of poly (1-naphthylamine): effect of environment on nanostructured morphology. Journal of Nanoparticle Research, 2008, 10, 1209-1214.	0.8	15
108	Template Polymerization of Nano-Scale Poly(1-Naphthylamine): Effect of Oxidant on the Spectral, Thermal and Morphological Characteristics. Designed Monomers and Polymers, 2008, 11, 201-214.	0.7	15

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109	Effect of solid state intercalation conditions in controlling the self-assembled nanostructured polycarbazoleâ€“montmorillonite nanocomposites synthesized by mechano-chemical and microwave-assisted techniques. Applied Clay Science, 2011, 52, 179-183.	2.6	15
110	Plant Oil Renewable-Resource-based Biodegradable Blends as Green Alternatives in Biopackaging. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 229-239.	1.8	15
111	Ultrasound-Assisted Polymerization of Dyes with Phenylenediamines: Facile Method To Design Polymeric Photosensitizers with Enhanced Singlet Oxygen Generation Characteristics and Anticancer Activity. Industrial & Engineering Chemistry Research, 2019, 58, 14044-14057.	1.8	14
112	Effect of fully strained AlN nucleation layer on the AlN/SiC interface and subsequent GaN growth on 4Hâ€“SiC by MOVPE. Journal of Materials Science: Materials in Electronics, 2019, 30, 18910-18918.	1.1	14
113	A review on synthesis and applications of polyaniline and polypyrrole hydrogels. Polymer Bulletin, 2023, 80, 1085-1116.	1.7	14
114	Development of sustainable resource-based nanostructured polyaniline/castor oil polyurethane composites. Advances in Polymer Technology, 2009, 28, 26-31.	0.8	13
115	Nanostructured polyaniline reinforced sustainable resource (soy oil alkyd) based composites. Polymer Composites, 2010, 31, 32-37.	2.3	13
116	Effect of microwave processing on the spectral, mechanical, thermal, and morphological characteristics of sustainable resource based castor oil Epoxy/PVA blends. Advances in Polymer Technology, 2011, 30, 96-109.	0.8	13
117	Development of Nanostructured Poly (o-toluidine) Reinforced Organicâ€“Inorganic Hybrid Composites. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 662-670.	1.9	13
118	Recent trends on synthetic approaches and application studies of conducting polymers and copolymers: a review. Polymer Bulletin, 2022, 79, 10377-10408.	1.7	13
119	Conducting Semiâ€interpenetrating Polymer Network of Polypyrrole with Poly(esteramide urethane) Synthesized from a Sustainable Resource. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 521-533.	1.2	12
120	Applications of near infrared and surface enhanced Raman scattering techniques in tumor imaging: A short review. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117279.	2.0	12
121	Studies on conducting polymer intercalated layered double hydroxide nanocomposites: Antituberculosis drug delivery agents. Polymer Engineering and Science, 2020, 60, 2628-2639.	1.5	12
122	Studies on miscibility of dehydrated castor oil epoxy blend with poly(methyl methacrylate). Journal of Applied Polymer Science, 2006, 100, 3094-3100.	1.3	11
123	Miscibility behavior of blend of polyesteramides of linseed oil and dehydrated castor oil with poly(methacrylic acid). Journal of Applied Polymer Science, 2007, 103, 1367-1374.	1.3	11
124	A review on the chemical and electrochemical copolymerization of conducting monomers: recent advancements and future prospects. Polymer-Plastics Technology and Materials, 2020, 59, 484-504.	0.6	11
125	Recent Advances in the Development of Conducting Polymer Intercalated Clay Nanocomposites: A Short Review. Current Organic Chemistry, 2015, 19, 1275-1291.	0.9	11
126	Theoretical studies of conducting polymers: a mini review. New Journal of Chemistry, 2022, 46, 4954-4973.	1.4	11

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127	Interaction of Decavanadate Polyanions with Proteins. Analytical Biochemistry, 1995, 230, 68-74.	1.1	10
128	Template free synthesis of nanoparticles of poly (1-naphthylamine): influence of alcoholic medium on polymerization. Colloid and Polymer Science, 2008, 286, 459-462.	1.0	10
129	Comparative study of polyaniline and poly(1â€naphthylamine) dispersed oil polyurethane coatings. Anti-Corrosion Methods and Materials, 2008, 55, 308-316.	0.6	10
130	Effects of surfactants on microwave-assisted solid-state intercalation of poly(carbazole) in Bentonite. Journal of Nanoparticle Research, 2011, 13, 6321-6331.	0.8	10
131	Conductive Polymer Composites and Blends. , 2014, , 509-538.		10
132	Insights into the spectral, thermal and morphological effects of co-oligomerization of pyrrole with luminol: A comparative experimental and computational study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 273, 115396.	1.7	10
133	Synthesis and Characterization of Novel Poly(1â€Naphthylamine)â€Montmorillonite Nanocomposites Intercalated by Emulsion Polymerization. Journal of Macromolecular Science - Physics, 2006, 45, 1109-1123.	0.4	9
134	Evaluation of antibacterial activity of nanostructured poly(1-naphthylamine) and its composites. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 1535-1546.	1.9	9
135	A comparative study on camphorsulphonic acid modified montmorillonite clay based conducting polymer nanocomposites. Polymer Composites, 2010, 31, 906-912.	2.3	9
136	Facile synthesis of malachite green incorporated conducting polymers: A comparison of theoretical and experimental studies. Synthetic Metals, 2019, 257, 116184.	2.1	9
137	Synthesis, Characterization and in vitro Drug Release Studies of Sonolytically Intercalated Poly(o-anisidine)/Montmorillonite Nanocomposites. Macromolecular Research, 2019, 27, 140-152.	1.0	9
138	Studies on the spectral, morphological and magnetic properties of PCz-PPy copolymer encapsulated BaFe2O4 nanohybrids. Journal of Materials Science: Materials in Electronics, 2020, 31, 22856-22865.	1.1	9
139	Experimental and Theoretical Studies of Novel Azo Benzene Functionalized Conjugated Polymers: In-vitro Antileishmanial Activity and Bioimaging. Scientific Reports, 2020, 10, 57.	1.6	9
140	Experimental and computational studies of novel Sudan-I dye modified conjugated oligomers: Efficient 1O2 generation and antileishmanial characteristics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 114993.	1.7	9
141	Influence of Conducting Polymer as Filler and Matrix on the Spectral, Morphological and Fluorescent Properties of Sonochemically Intercalated poly(o-phenylenediamine)/Montmorillonite Nanocomposites. Recent Patents on Nanotechnology, 2016, 10, 66-76.	0.7	8
142	Development of polyanilineâ€polydimethylsiloxane adduct nanoparticle dispersed butylated melamine formaldehyde cured soy alkyd. Journal of Applied Polymer Science, 2012, 124, 365-372.	1.3	7
143	Experimental and theoretical studies of benzoquinone modified poly(ortho-phenylenediamine): singlet oxygen generating oligomers. Colloid and Polymer Science, 2020, 298, 1443-1453.	1.0	7
144	Introduction to Nanotechnology. , 2004, , 1-6.		6

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145	Development of a Sustainable Resource Based Conducting Composite of Polyanilineâ€Poly(esteramideurethane). Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 679-687.	1.2	6
146	Effect of solvent on the characteristics of nanostructured composites of poly (1-naphthylamine) with poly (vinyl alcohol). Current Applied Physics, 2009, 9, 581-587.	1.1	6
147	Development of novel conducting composites of nanostructured poly(1â€naphthylamine) with poly(vinyl chloride). Polymer Composites, 2009, 30, 528-533.	2.3	6
148	Rapid intercalation of sustainable resourceâ€based linseed oil fatty amideâ€"A polymer precursor in cloisiteÂ® 93A by microwaveâ€assisted method. Journal of Applied Polymer Science, 2011, 121, 2317-2323.	1.3	6
149	Controlling the growth of polycarbazole within the silicate galleries using peroxides via microwave-assisted green synthesis. Chemical Engineering Journal, 2014, 241, 259-267.	6.6	6
150	Development of a near infrared novel bioimaging agent via co-oligomerization of Congo red with aniline and o-phenylenediamine: experimental and theoretical studies. RSC Advances, 2019, 9, 36479-36491.	1.7	6
151	Synthesis and characterization of lawsone incorporated singlet oxygen generating conjugated polymers: Experimental and computational studies. Journal of Molecular Structure, 2021, 1240, 130533.	1.8	6
152	Conducting Polymerâ€Based Microâ€and Nanoâ€batteries for Biomedical Applications: A Short Review. ChemistrySelect, 2022, 7, .	0.7	6
153	Interaction of vanadium(V) oxoanions with ovalbumin and transfusion gelatin. Journal of Inorganic Biochemistry, 1989, 35, 1-8.	1.5	5
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