Jui-Ming Yeh

List of Publications by Year
in descending order

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185 papers	8,703 citations	41258 49 h-index	53109 85 g-index
187 all docs	187 docs citations	187 times ranked	7619 citing authors

#	Article	IF	Citations
1	Novel anticorrosion coatings prepared from polyaniline/graphene composites. Carbon, 2012, 50, 5044-5051.	5.4	631
2	Enhancement of Corrosion Protection Effect in Polyaniline via the Formation of Polyanilineâ^'Clay Nanocomposite Materials. Chemistry of Materials, 2001, 13, 1131-1136.	3.2	371
3	Room-temperature cured hydrophobic epoxy/graphene composites as corrosion inhibitor for cold-rolled steel. Carbon, 2014, 66, 144-153.	5.4	313
4	Preparation and properties of poly(vinyl alcohol)â€"clay nanocomposite materials. Polymer, 2003, 44, 3553-3560.	1.8	288
5	Anticorrosively Enhanced PMMAâ^'Clay Nanocomposite Materials with Quaternary Alkylphosphonium Salt as an Intercalating Agent. Chemistry of Materials, 2002, 14, 154-161.	3.2	248
6	Advanced Anticorrosive Coatings Prepared from the Mimicked Xanthosoma Sagittifolium-leaf-like Electroactive Epoxy with Synergistic Effects of Superhydrophobicity and Redox Catalytic Capability. Chemistry of Materials, 2011, 23, 2075-2083.	3.2	190
7	Siloxane-modified epoxy resinâ€"clay nanocomposite coatings with advanced anticorrosive properties prepared by a solution dispersion approach. Surface and Coatings Technology, 2006, 200, 2753-2763.	2.2	188
8	Enhancement of corrosion protection effect of poly(o-ethoxyaniline) via the formation of poly(o-ethoxyaniline)â€"clay nanocomposite materials. Polymer, 2002, 43, 2729-2736.	1.8	175
9	Nano-casting technique to prepare polyaniline surface with biomimetic superhydrophobic structures for anticorrosion application. Electrochimica Acta, 2013, 95, 192-199.	2.6	167
10	Nanocasting Technique to Prepare Lotus-leaf-like Superhydrophobic Electroactive Polyimide as Advanced Anticorrosive Coatings. ACS Applied Materials & Interfaces, 2013, 5, 1460-1467.	4.0	158
11	Enhanced corrosion protection coatings prepared from soluble electronically conductive polypyrrole-clay nanocomposite materials. Journal of Applied Polymer Science, 2003, 88, 3264-3272.	1.3	127
12	Synergistic effects of hydrophobicity and gas barrier properties on the anticorrosion property of PMMA nanocomposite coatings embedded with graphene nanosheets. Polymer Chemistry, 2014, 5, 1049-1056.	1.9	127
13	Synthesis and Electronic Properties of Aldehyde End-Capped Thiophene Oligomers and Other Î±,Ï‰-Substituted Sexithiophenes. Chemistry of Materials, 1996, 8, 2659-2666.	3.2	116
14	Composites of Electronically Conductive Polyaniline with Polyacrylate-Silica Hybrid Sol-Gel Materials. Chemistry of Materials, 1995, 7, 969-974.	3.2	111
15	Advanced anticorrosive coatings prepared from electroactive polyimideâ€"TiO2 hybrid nanocomposite materials. Electrochimica Acta, 2010, 55, 8430-8438.	2.6	109
16	Advanced anticorrosive coatings prepared from electroactive epoxyâ€"SiO2 hybrid nanocomposite materials. Electrochimica Acta, 2011, 56, 6142-6149.	2.6	103
17	Comparative studies of the properties of poly(methyl methacrylate)-clay nanocomposite materials prepared byin situ emulsion polymerization and solution dispersion. Journal of Applied Polymer Science, 2004, 94, 1936-1946.	1.3	102
18	Induction of cytotoxicity and apoptosis in mouse blastocysts by silver nanoparticles. Toxicology Letters, 2010, 197, 82-87.	0.4	101

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19	Polymer/layered silicate nanocomposite anticorrosive coatings. Journal of Industrial and Engineering Chemistry, 2008, 14, 275-291.	2.9	100
20	Organo-soluble polyimide (TBAPPâ€“OPDA)/clay nanocomposite materials with advanced anticorrosive properties prepared from solution dispersion technique. Acta Materialia, 2004, 52, 475-486.	3.8	98
21	Polymerization of aniline under various concentrations of APS and HCl. Polymer Journal, 2011, 43, 667-675.	1.3	98
22	Anticorrosively enhanced PMMAâ€“SiO2 hybrid coatings prepared from the solâ€“gel approach with MSMA as the coupling agent. Surface and Coatings Technology, 2006, 201, 1788-1795.	2.2	91
23	UV-curable nanocasting technique to prepare bio-mimetic super-hydrophobic non-fluorinated polymeric surfaces for advanced anticorrosive coatings. Polymer Chemistry, 2013, 4, 926-932.	1.9	89
24	Advanced anticorrosive materials prepared from amine-capped aniline trimer-based electroactive polyimide-clay nanocomposite materials with synergistic effects of redox catalytic capability and gas barrier properties. Polymer, 2011, 52, 2391-2400.	1.8	88
25	Novel organosoluble aromatic polyimides bearing pendant methoxyâ€substituted triphenylamine moieties: Synthesis, electrochromic, and gas separation properties. Journal of Polymer Science Part A, 2008, 46, 7937-7949.	2.5	86
26	Structure and properties of poly(o-methoxyaniline)-clay nanocomposite materials. Journal of Applied Polymer Science, 2003, 88, 1072-1080.	1.3	81
27	Comparing micellar electrokinetic chromatography and microemulsion electrokinetic chromatography for the analysis of preservatives in pharmaceutical and cosmetic products. Journal of Chromatography A, 2003, 993, 153-164.	1.8	80
28	Preparation and properties of amino-terminated anionic waterborne-polyurethaneâ€“silica hybrid materials through a solâ€“gel process in the absence of an external catalyst. European Polymer Journal, 2008, 44, 2777-2783.	2.6	80
29	Preparation and properties of polyimide-clay nanocomposite materials for anticorrosion application. Journal of Applied Polymer Science, 2004, 92, 3573-3582.	1.3	78
30	Comparative studies on the corrosion protection effect of DBSA-doped polyaniline prepared from in situ emulsion polymerization in the presence of hydrophilic Na+-MMT and organophilic organo-MMT clay platelets. Electrochimica Acta, 2006, 51, 5645-5653.	2.6	78
31	Preparation, characterization and electrochemical corrosion studies on environmentally friendly waterborne polyurethane/Na+-MMT clay nanocomposite coatings. European Polymer Journal, 2008, 44, 3046-3056.	2.6	78
32	Polyaniline/carbon nanotube nanocomposite electrodes with biomimetic hierarchical structure for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 14719.	5.2	75
33	Electrochemical studies for the electroactivity of amine-capped aniline trimer on the anticorrosion effect of as-prepared polyimide coatings. European Polymer Journal, 2009, 45, 485-493.	2.6	72
34	Comparatively electrochemical studies at different operational temperatures for the effect of nanoclay platelets on the anticorrosion efficiency of DBSA-doped polyaniline/Na+â€“MMT clay nanocomposite coatings. Electrochimica Acta, 2007, 52, 5191-5200.	2.6	70
35	Comparative studies for the effect of intercalating agent on the physical properties of epoxy resin-clay based nanocomposite materials. European Polymer Journal, 2008, 44, 2439-2447.	2.6	70
36	Synergistic effect of electroactivity and hydrophobicity on the anticorrosion property of room-temperature-cured epoxy coatings with multi-scale structures mimicking the surface of Xanthosoma sagittifolium leaf. Journal of Materials Chemistry, 2012, 22, 15845.	6.7	66

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37	Electrochemical studies on aniline-pentamer-based electroactive polyimide coating: Corrosion protection and electrochromic properties. Electrochimica Acta, 2011, 56, 10151-10158.	2.6	64
38	Reaction mechanism and synergistic anticorrosion property of reactive blends of maleimide-containing benzoxazine and amine-capped aniline trimer. Polymer Chemistry, 2014, 5, 4235-4244.	1.9	64
39	Dehydration of water-alcohol mixtures by vapor permeation through PVA/clay nanocomposite membrane. Journal of Applied Polymer Science, 2003, 89, 3632-3638.	1.3	62
40	Curcuminoids and resveratrol as anti-Alzheimer agents. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 515-525.	0.5	61
41	Effect of clay on the corrosion protection efficiency of PMMA/Na+-MMT clay nanocomposite coatings evaluated by electrochemical measurements. European Polymer Journal, 2008, 44, 13-23.	2.6	60
42	Novel triphenylamine-containing ambipolar polyimides with pendant anthraquinone moiety for polymeric memory device, electrochromic and gas separation applications. Journal of Materials Chemistry, 2012, 22, 20394.	6.7	60
43	Effective enhancement of anticorrosive properties of polystyrene by polystyrene-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1970-1976.	1.3	58
44	Electrochemical Sensor Constructed Using a Carbon Paste Electrode Modified with Mesoporous Silica Encapsulating PANI Chains Decorated with GNPs for Detection of Ascorbic Acid. Electrochimica Acta, 2017, 238, 246-256.	2.6	58
45	Effect of amino-capped aniline trimer on corrosion protection and physical properties for electroactive epoxy thermosets. Electrochimica Acta, 2009, 54, 5400-5407.	2.6	57
46	3D-bioprinting approach to fabricate superhydrophobic epoxy/organophilic clay as an advanced anticorrosive coating with the synergistic effect of superhydrophobicity and gas barrier properties. Journal of Materials Chemistry A, 2013, 1, 13869-13877.	5.2	57
47	Electrochemical investigations of the anticorrosive and electrochromic properties of electroactive polyamide. Electrochimica Acta, 2012, 63, 185-191.	2.6	56
48	Advanced environmentally friendly anticorrosive materials prepared from water-based polyacrylate/Na+-MMT clay nanocomposite latexes. European Polymer Journal, 2007, 43, 4219-4228.	2.6	52
49	Electrochemical investigations on anticorrosive and electrochromic properties of electroactive polyurea. Polymer Chemistry, 2012, 3, 2209.	1.9	52
50	Enhanced corrosion prevention effect of polysulfone-clay nanocomposite materials prepared by solution dispersion. Journal of Applied Polymer Science, 2004, 92, 631-637.	1.3	51
51	Thermal and optical properties of PMMA-titania hybrid materials prepared by sol-gel approach with HEMA as coupling agent. Journal of Applied Polymer Science, 2004, 94, 400-405.	1.3	51
52	Effect of organoclay on the thermal stability, mechanical strength, and surface wettability of injection-molded ABS-clay nanocomposite materials prepared by melt intercalation. Journal of Applied Polymer Science, 2006, 99, 1576-1582.	1.3	50
53	Photochemical synthesis of polyacrylate-silica hybrid sol-gel materials catalyzed by photoacids. Advanced Materials, 1994, 6, 372-374.	11.1	49
54	Polyacrylamide-clay nanocomposite materials prepared by photopolymerization with acrylamide as an intercalating agent. Journal of Applied Polymer Science, 2004, 91, 3489-3496.	1.3	49

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55	Triphenylamineâ€based polyimides with trimethyl substituents for gas separation membrane and electrochromic applications. Journal of Polymer Science Part A, 2011, 49, 3637-3646.	2.5	49
56	Mussel-Inspired Conducting Copolymer with Aniline Tetramer as Intelligent Biological Adhesive for Bone Tissue Engineering. ACS Biomaterials Science and Engineering, 2020, 6, 634-646.	2.6	49
57	Hazardous impacts of silver nanoparticles on mouse oocyte maturation and fertilization and fetal development through induction of apoptotic processes. Environmental Toxicology, 2018, 33, 1039-1049.	2.1	46
58	Electrochemical corrosion protection studies of aniline-capped aniline trimer-based electroactive polyurethane coatings. Electrochimica Acta, 2011, 58, 614-620.	2.6	44
59	Preparation and properties of (BATB-ODPA) polyimide-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 92, 1072-1079.	1.3	43
60	Preparation and properties of heterocyclically conjugated poly(3-hexylthiophene)-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 91, 3438-3446.	1.3	43
61	Thermally and mechanically enhanced epoxy resinâ€silica hybrid materials containing primary amineâ€modified silica nanoparticles. Journal of Applied Polymer Science, 2008, 108, 1629-1635.	1.3	43
62	Biotemplated hierarchical polyaniline composite electrodes with high performance for flexible supercapacitors. Journal of Materials Chemistry A, 2016, 4, 9133-9145.	5.2	43
63	Preparation and characterization of poly(o-methoxyaniline)/Na+â€“MMT clay nanocomposite via emulsion polymerization: Electrochemical studies of corrosion protection. European Polymer Journal, 2007, 43, 1624-1634.	2.6	42
64	Sandwich-structured rGO/PVDF/PU multilayer coatings for anti-corrosion application. RSC Advances, 2017, 7, 33829-33836.	1.7	42
65	Advanced antistatic/anticorrosion coatings prepared from polystyrene composites incorporating dodecylbenzenesulfonic acidâ€doped SiO₂@polyaniline coreâ€“shell microspheres. Polymer International, 2013, 62, 774-782.	1.6	40
66	Effect of clay and compatibilizer on the mechanical/thermal properties of microcellular injection molded low density polyethylene nanocomposites. International Communications in Heat and Mass Transfer, 2009, 36, 471-479.	2.9	39
67	Properties of polyimide/Al2O3 and Si3N4 deposited thin films. Thin Solid Films, 2011, 519, 4969-4973.	0.8	39
68	Advanced environmentally friendly coatings prepared from amine-capped aniline trimer-based waterborne electroactive polyurethane. Materials Chemistry and Physics, 2013, 137, 772-780.	2.0	39
69	Innovation inspired by nature: Biocompatible self-healing injectable hydrogels based on modified-Î²-chitin for wound healing. International Journal of Biological Macromolecules, 2020, 162, 723-736.	3.6	39
70	Mechanical properties of polyamide-6/montmorillonite nanocomposites â€” Prepared by the twin-screw extruder mixed technique. International Communications in Heat and Mass Transfer, 2011, 38, 37-43.	2.9	38
71	Corrosion resistance conferred by superhydrophobic fluorinated polyacrylateâ€“silica composite coatings on coldâ€rolled steel. Journal of Applied Polymer Science, 2012, 126, E48.	1.3	37
72	Synthesis and dielectric properties of polystyrene-clay nanocomposite materials. Journal of Applied Polymer Science, 2004, 91, 1368-1373.	1.3	36

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73	Advanced anticorrosion coating materials prepared from fluoro-polyaniline-silica composites with synergistic effect of superhydrophobicity and redox catalytic capability. Surface and Coatings Technology, 2012, 207, 42-49.	2.2	36
74	The use of a carbon paste electrode mixed with multiwalled carbon nanotube/electroactive polyimide composites as an electrode for sensing ascorbic acid. Polymer Chemistry, 2014, 5, 630-637.	1.9	36
75	Effect of Amino-Modified Silica Nanoparticles on the Corrosion Protection Properties of Epoxy Resin-Silica Hybrid Materials. Journal of Nanoscience and Nanotechnology, 2008, 8, 3040-3049.	0.9	34
76	Excellent superhydrophobic surface and anti-corrosion performance by nanostructure of discotic columnar liquid crystals. Corrosion Science, 2018, 138, 1-7.	3.0	34
77	Organo-soluble polyimde (ODA-BSAA)/montmorillonite nanocomposite materials prepared by solution dispersion technique. Journal of Applied Polymer Science, 2005, 95, 1082-1090.	1.3	32
78	Preparation and anticorrosive properties of hybrid coatings based on epoxyâ€‘silica hybrid materials. Journal of Applied Polymer Science, 2009, 112, 1933-1942.	1.3	32
79	The mechanical/thermal properties of microcellular injectionâ€‘molded polyâ€‘lacticâ€‘acid nanocomposites. Polymer Composites, 2009, 30, 1625-1630.	2.3	32
80	Preparation of gold decorated SiO2@polyaniline coreâ€“shell microspheres and application as a sensor for ascorbic acid. Electrochimica Acta, 2013, 95, 162-169.	2.6	32
81	Effect of dispersion capability of organoclay on cellular structure and physical properties of PMMA/clay nanocomposite foams. Materials Chemistry and Physics, 2009, 115, 744-750.	2.0	31
82	Mechanically and Thermally Enhanced Intrinsically Dopable Polyimide Membrane with Advanced Gas Separation Capabilities. Macromolecules, 2011, 44, 6067-6076.	2.2	31
83	Effect of organoclay on the mechanical/thermal properties of microcellular injection molded PBTâ€“clay nanocomposites. International Communications in Heat and Mass Transfer, 2010, 37, 1036-1043.	2.9	30
84	Effect of methyl substituents on the N-diaryl rings of anthracene-9,10-diamine derivatives for OLEDs applications. Organic Electronics, 2011, 12, 694-702.	1.4	30
85	Effects of curcumin and demethoxycurcumin on amyloid-Î² precursor and tau proteins through the internal ribosome entry sites: A potential therapeutic for Alzheimer's disease. Taiwanese Journal of Obstetrics and Gynecology, 2012, 51, 554-564.	0.5	30
86	Advanced superhydrophobic electroactive fluorinated polyimide and its application in anticorrosion coating. International Journal of Green Energy, 2017, 14, 113-120.	2.1	30
87	Polyimide modified with metal coupling agent for adhesion application. Thin Solid Films, 2009, 517, 5333-5337.	0.8	29
88	Significant decreased dielectric constant and loss of polystyrene-clay nanocomposite materials by using long-chain intercalation agent. Journal of Applied Polymer Science, 2004, 92, 2402-2410.	1.3	28
89	Highâ€performance polyimideâ€“clay nanocomposite materials based on a dual intercalating agent system. Polymer International, 2008, 57, 605-611.	1.6	28
90	Effect of swelling agent on the physical properties of PETâ€“clay nanocomposite materials prepared from melt intercalation approach. Journal of Physics and Chemistry of Solids, 2008, 69, 1371-1374.	1.9	28

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91	Morphology, mechanical, and rheological behavior of microcellular injection molded EVAâ€“clay nanocomposites. International Communications in Heat and Mass Transfer, 2012, 39, 383-389.	2.9	28
92	Synthesis of electroactive mesoporous goldâ€“organosilica nanocomposite materials via a solâ€“gel process with non-surfactant templates and the electroanalysis of ascorbic acid. Journal of Materials Chemistry B, 2013, 1, 4983.	2.9	28
93	Preparation and comparison of the physical properties of PMMA/thermally reduced graphene oxides composites with different carboxylic group content of thermally reduced graphene oxides. Composites Part A: Applied Science and Manufacturing, 2014, 65, 108-114.	3.8	28
94	Mechanical properties of polystyreneâ€montmorillonite nanocompositesâ€”Prepared by melt intercalation. Journal of Applied Polymer Science, 2010, 115, 288-296.	1.3	27
95	CYTOTOXICITY AND DIFFERENTIATION EFFECTS OF GOLD NANOPARTICLES TO HUMAN BONE MARROW MESENCHYMAL STEM CELLS. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 141-152.	0.3	27
96	Aniline pentamer-based electroactive polyimide prepared from oxidation coupling polymerization for electrochemical sensing application. Polymer, 2012, 53, 4373-4379.	1.8	27
97	An aniline trimer-based multifunctional sensor for colorimetric Fe3+, Cu2+ and Ag+ detection, and its complex for fluorescent sensing of L-tryptophan. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119075.	2.0	26
98	Intrinsically electroactive polyimide microspheres fabricated by electrospraying technology for ascorbic acid detection. Journal of Materials Chemistry, 2011, 21, 15666.	6.7	25
99	Synthesis electroactive polyurea with aniline-pentamer-based in the main chain and its application in electrochemical sensor. Electrochimica Acta, 2013, 94, 300-306.	2.6	25
100	A Novel Application of Electroactive Polyimide Doped with Gold Nanoparticles: As a Chemiresistor Sensor for Hydrogen Sulfide Gas. Polymers, 2019, 11, 1918.	2.0	25
101	Enhancement of corrosion protection effect of poly(styrene-co-acrylonitrile) by the incorporation of nanolayers of montmorillonite clay into copolymer matrix. Journal of Applied Polymer Science, 2004, 92, 2269-2277.	1.3	23
102	Photoactively electroactive polyamide with azo group in the main chain via oxidative coupling polymerization. Polymer Chemistry, 2013, 4, 343-350.	1.9	23
103	Synthesis and characterization of organo-soluble aniline oligomer-based electroactive doped with gold nanoparticles, and application to electrochemical sensing of ascorbic acid. Polymer, 2017, 128, 218-228.	1.8	23
104	On the role of solution-processed bathocuproine in high-efficiency inverted perovskite solar cells. Solar Energy, 2021, 218, 142-149.	2.9	23
105	Effect of photoisomerization on the electroactivity and electrochromic behavior of aniline pentamer-based polymers with azo chromophore as reversibly switchable pendant group. Polymer, 2012, 53, 4967-4976.	1.8	22
106	Synthesis of electroactive polyazomethine and its application in electrochromic property and electrochemical sensor. Surface and Coatings Technology, 2016, 303, 154-161.	2.2	22
107	Synthesis and energy-transfer properties of poly(amidoamine) dendrons modified with naphthyl and dansyl groups. Tetrahedron Letters, 2008, 49, 1988-1992.	0.7	21
108	Aniline trimer based chemical sensor for dual responsive detection of hazardous CNÂ¯ ions and pH changes. Dyes and Pigments, 2019, 164, 327-334.	2.0	21

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109	Effect of organoclay and preparation methods on the mechanical/thermal properties of microcellular injection molded polyamide 6-clay nanocomposites. International Communications in Heat and Mass Transfer, 2011, 38, 1219-1225.	2.9	20
110	Marine waste to a functional biomaterial: Green facile synthesis of modified-Î²-chitin from Uroteuthis duvauceli pens (gladius). International Journal of Biological Macromolecules, 2020, 154, 1565-1575.	3.6	20
111	Physical study of roomâ€temperatureâ€cured epoxy/thermally reduced graphene oxides with various contents of oxygenâ€containing groups. Polymer International, 2014, 63, 1765-1770.	1.6	19
112	Ecoâ€Friendly, Highâ€Loading Luminescent Solar Concentrators with Concurrently Enhanced Optical Density and Quantum Yields While Without Sacrificing Edgeâ€Emission Efficiency. Solar Rrl, 2019, 3, 1800347.	3.1	19
113	Biomimetic Polyimide-Supported Cuprous Oxide Photocatalytic Film with Tunable Hydrophobicity, Improved Thermal Stability, and Photocatalytic Activity toward CO₂ Reduction. ACS Omega, 2019, 4, 1636-1644.	1.6	19
114	Synthesis and electroactive properties of poly(amidoamine) dendrimers with an aniline pentamer shell. Journal of Materials Chemistry, 2011, 21, 4581.	6.7	18
115	Comparative studies on corrosion protection properties of polyimideâ€silica and polyimideâ€clay composite materials. Journal of Applied Polymer Science, 2011, 119, 548-557.	1.3	18
116	Synthesis of ultra-high-strength electroactive polyimide membranes containing oligoaniline in the main chain by thermal imidization reaction. European Polymer Journal, 2014, 56, 26-32.	2.6	18
117	Durable electrochromic coatings prepared from electronically conductive poly(3HT-co-3TPP)-silica hybrid materials. Journal of Electronic Materials, 2006, 35, 1571-1580.	1.0	17
118	Effect of organoclay on the mechanical / thermal properties of microcellular injection molded polystyreneâ€“clay nanocomposites. International Communications in Heat and Mass Transfer, 2009, 36, 799-805.	2.9	17
119	Poly(N-vinylcarbazole)-clay nanocomposite materials prepared by photoinitiated polymerization with triarylsulfonium salt initiator. Journal of Applied Polymer Science, 2004, 91, 1904-1912.	1.3	16
120	Effects of isomeric transformation on characteristics of Alq3 amorphous layers prepared by vacuum deposition at various substrate temperatures. Journal of Applied Physics, 2007, 101, 123708.	1.1	16
121	Organic base-catalyzed solâ€“gel route to prepare PMMAâ€“silica hybrid materials. Polymer International, 2007, 56, 343-349.	1.6	16
122	Enhancement of the surface and bulk mechanical properties of polystyrene through the incorporation of raw multiwalled nanotubes with the twinâ€screw mixing technique. Journal of Applied Polymer Science, 2009, 113, 992-999.	1.3	16
123	A smart surface prepared using the switchable superhydrophobicity of neat electrospun intrinsically electroactive polyimide fiber mats. Soft Matter, 2011, 7, 10313.	1.2	16
124	Effective anticorrosion coatings prepared from sulfonated electroactive polyurea. Polymer, 2019, 166, 98-107.	1.8	16
125	Preparation and gas transport properties of dense fluoroaniline copolymer membranes. Journal of Membrane Science, 2009, 339, 171-176.	4.1	15
126	Enhancement of surface and bulk mechanical properties of polycarbonate through the incorporation of raw MWNTs â€” Using the twin-screw extruder mixed technique. International Communications in Heat and Mass Transfer, 2010, 37, 809-814.	2.9	15

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127	Using silane coupling agents to prepare raspberry-shaped polyaniline hollow microspheres with tunable nanoshell thickness. Journal of Colloid and Interface Science, 2013, 394, 36-43.	5.0	15
128	Synthesis and anticorrosive properties of electroactive polyimide/SiO₂ composites. Polymer Composites, 2014, 35, 617-625.	2.3	15
129	Biomolding Technique to Fabricate the Hierarchical Topographical Scaffold of POMA To Enhance the Differentiation of Neural Stem Cells. ACS Biomaterials Science and Engineering, 2017, 3, 1527-1534.	2.6	15
130	H2S-Sensing Studies Using Interdigitated Electrode with Spin-Coated Carbon Aerogel-Polyaniline Composites. Polymers, 2021, 13, 1457.	2.0	15
131	Detection of hydrogen sulfide using polyaniline incorporated with graphene oxide aerogel. Synthetic Metals, 2021, 282, 116934.	2.1	15
132	Organicâ€acidâ€catalyzed solâ€“gel route for preparing poly(methyl methacrylate)â€“silica hybrid materials. Journal of Applied Polymer Science, 2008, 110, 2108-2114.	1.3	14
133	Systematically comparative studies on the preparation and physical properties of PMMAâ€“silica mesocomposite and nanocomposite membranes. Microporous and Mesoporous Materials, 2010, 131, 192-203.	2.2	14
134	Structural and electrical characterization of polyanilines synthesized from chemical oxidative polymerization via doping/de-doping/re-doping processes. Journal Physics D: Applied Physics, 2013, 46, 505301.	1.3	14
135	The effect of chemically modified electrospun silica nanofiber on the mRNA and miRNA expression profile of neural stem cell differentiation. Journal of Biomedical Materials Research - Part A, 2016, 104, 2730-2743.	2.1	14
136	Characterization of polyaniline synthesized from chemical oxidative polymerization at various polymerization temperatures. European Polymer Journal, 2017, 88, 311-319.	2.6	14
137	Aniline pentamer-modified reduced graphene oxide/epoxy composites as anticorrosion coatings. Materials Chemistry and Physics, 2021, 264, 124446.	2.0	14
138	Preparation and studies on properties of porous epoxy composites containing microscale hollow epoxy spheres. Microporous and Mesoporous Materials, 2014, 198, 15-21.	2.2	13
139	Enhancement of physical properties of electroactive polyimide nanocomposites by addition of graphene nanosheets. Polymer International, 2014, 63, 1011-1017.	1.6	13
140	A reactive blend of electroactive polymers exhibiting synergistic effects on self-healing and anticorrosion properties. RSC Advances, 2016, 6, 55593-55598.	1.7	13
141	Conductive stretchable shape memory elastomers combining with electrical stimulation for synergistic osteogenic differentiation. Polymer Testing, 2020, 90, 106672.	2.3	13
142	Versatile reactions on hydrophobic functionalization of metal-organic frameworks and anticorrosion application. Microporous and Mesoporous Materials, 2021, 325, 111319.	2.2	13
143	Morphology, mechanical, thermal and rheological behavior of microcellular injection molded TPO-clay nanocomposites prepared by kneader. International Communications in Heat and Mass Transfer, 2011, 38, 597-606.	2.9	12
144	Electrochemical investigations on the corrosion protection effect of poly(vinyl carbazole)â€silica hybrid solâ€“gel materials. Polymer Composites, 2012, 33, 275-281.	2.3	12

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145	UV-cured electroactive polyurethane acrylate coatings with superhydrophobic surface structure of biomimetic peacock feather for anticorrosion application. Progress in Organic Coatings, 2022, 165, 106679.	1.9	12
146	Performance characteristic studies of glucose biosensors modified by (3-mercaptopropyl)trimethoxysilane solâ€“gel and non-conducting polyaniline. Sensors and Actuators B: Chemical, 2008, 131, 533-540.	4.0	11
147	Self-Assembly Behavior of Amphiphilic Poly(amidoamine) Dendrimers with a Shell of Aniline Pentamer. Langmuir, 2013, 29, 12075-12083.	1.6	11
148	Easy expression of the C-terminal heavy chain domain of botulinum neurotoxin serotype A as a vaccine candidate using a bi-cistronic baculovirus system. Journal of Virological Methods, 2013, 189, 58-64.	1.0	11
149	Effect of baking treatment and materials composition on the properties of bulky PMMAâ€“silica hybrid solâ€“gel materials with low volume shrinkage. Journal of Applied Polymer Science, 2006, 101, 1151-1159.	1.3	10
150	A comparative study of the preparation and physical properties of polystyreneâ€“silica mesocomposite and nanocomposite materials. Polymer International, 2011, 60, 1129-1135.	1.6	10
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152	Phase diagram of hopping conduction mechanisms in polymer nanofiber network. Journal of Applied Physics, 2015, 118, 215104.	1.1	10
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