

Jude O Iroh

List of Publications by Year in descending order

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55
papers

1,068
citations

516561

16
h-index

434063

31
g-index

55
all docs

55
docs citations

55
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Polyimide/Silica Hybrid Composites. <i>Chemistry of Materials</i> , 1999, 11, 1218-1222.	3.2	320
2	Characterization of the passive inorganic interphase and polypyrrole coatings formed on steel by the aqueous electrochemical process. <i>Journal of Applied Polymer Science</i> , 1999, 71, 2075-2086.	1.3	57
3	Electrochemical deposition of polyaniline-polypyrrole composite coatings on aluminum. <i>Journal of Applied Polymer Science</i> , 2002, 83, 1970-1977.	1.3	56
4	Thermomechanical and corrosion inhibition properties of graphene/epoxy ester-siloxane-urea hybrid polymer nanocomposites. <i>Progress in Organic Coatings</i> , 2015, 88, 237-244.	1.9	50
5	Formation of polypyrrole coatings onto low carbon steel by electrochemical process. <i>Journal of Applied Polymer Science</i> , 1997, 65, 417-424.	1.3	41
6	Corrosion resistance and lifetime of polyimide-b-polyurea novel copolymer coatings. <i>Progress in Organic Coatings</i> , 2014, 77, 590-599.	1.9	34
7	Novel polyimide-b-polyurea supramacromolecule with remarkable thermomechanical and dielectric properties. <i>European Polymer Journal</i> , 2013, 49, 1811-1822.	2.6	31
8	Physical and chemical properties of polypyrrole-carbon fiber interphases formed by aqueous electrosynthesis. <i>Journal of Applied Polymer Science</i> , 1996, 62, 1761-1769.	1.3	27
9	Surface and mechanical properties of graphene-clay/polyimide composites and thin films. <i>Carbon</i> , 2013, 63, 9-22.	5.4	24
10	Electrodeposition of poly(n-methylpyrrole) coatings on steel from aqueous medium. <i>Journal of Applied Polymer Science</i> , 1999, 71, 1293-1302.	1.3	21
11	Kinetics and efficiency of aqueous electropolymerization of pyrrole onto low-carbon steel. <i>Journal of Applied Polymer Science</i> , 1997, 65, 617-624.	1.3	20
12	Relaxation behavior and activation energy of relaxation for polyimide and polyimide-graphene nanocomposite. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	20
13	Polyimide-b-polysiloxane Copolymers: Synthesis and Properties. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 477-488.	1.9	19
14	Mechanism of corrosion protection of aluminum alloy substrate by hybrid polymer nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2013, 76, 1576-1580.	1.9	19
15	Optimizing the Synthesis and Thermal Properties of Conducting Polymer-Montmorillonite Clay Nanocomposites. <i>Energies</i> , 2022, 15, 1291.	1.6	19
16	Electrochemical polymerization of aniline on carbon fibers in aqueous toluene sulfonate solution. <i>Journal of Applied Polymer Science</i> , 2000, 76, 1503-1509.	1.3	17
17	Viscoelastic Properties of Montmorillonite Clay/Polyimide Composite Membranes and Thin Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 653-661.	1.9	17
18	Effect of electrolytes and process parameters on the electropolymerization of pyrrole onto carbon fibers. <i>Journal of Applied Polymer Science</i> , 1996, 61, 519-528.	1.3	15

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19	Fabrication of porous graphene/polyimide composites using leachable poly-acrylic resin for enhanced electrochemical and energy storage capabilities. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17230-17240.	5.2	15
20	Mechanism and kinetics of curing of diglycidyl ether of bisphenol a (DGEBA) resin by chitosan. <i>Polymer Engineering and Science</i> , 2017, 57, 865-874.	1.5	14
21	Electrochemical behavior of a composite of polyimide and polypyrrole. <i>Journal of Materials Chemistry</i> , 2001, 11, 2248-2252.	6.7	13
22	Adhesion of electrochemically formed polypyrrole coatings to low carbon steel. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2757-2763.	1.3	13
23	Comparison of poly(<i>o</i> -anisidine) and poly(<i>o</i> -anisidine- <i>co</i> -aniline) copolymer synthesized by chemical oxidative method. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3123-3130.	1.3	13
24	Polyaniline coated on aluminum (Al-2024-T3): Characterization and electrochemical studies. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1669-1675.	1.3	12
25	Poly(<i>O</i> -anisidine) coatings electrodeposited onto AL-2024: Synthesis, characterization, and corrosion protection evaluation. <i>Advances in Polymer Technology</i> , 2004, 23, 291-297.	0.8	12
26	Effect of process parameters on the electropolymerization potential and rate of formation of polypyrrole on stainless steel. <i>Journal of Applied Polymer Science</i> , 1997, 66, 2433-2440.	1.3	11
27	<i>In situ</i> growth of multilayered crystals in amorphous matrix: Thermal, dynamic mechanical, and morphological analysis of nylon-6/epoxy composites. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3319-3327.	1.3	11
28	Polyimide-polyurea copolymer coating with outstanding corrosion inhibition properties. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45861.	1.3	11
29	Effect of polyaniline-modified clay on the processing and properties of clay polyimide nanocomposites. <i>Applied Clay Science</i> , 2014, 99, 215-219.	2.6	10
30	Electrodeposition of BTDA-ODA-PDA polyamic acid coatings on carbon fibers from nonaqueous emulsions. <i>Polymer Engineering and Science</i> , 1999, 39, 699-707.	1.5	9
31	Decomposition and Flammability of Polyimide Graphene Composites. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 168.	0.8	9
32	Dependence of the Dynamic Mechanical Properties and Structure of Polyurethane-Clay Nanocomposites on the Weight Fraction of Clay. <i>Journal of Composites Science</i> , 2022, 6, 173.	1.4	9
33	Controlling the structure and rheology of polyimide/nanoclay composites by condensation polymerization. <i>Journal of Applied Polymer Science</i> , 2012, 125, E486.	1.3	8
34	Thermal behavior and structure of clay/nylon-6 nanocomposite synthesized by in situ solution polymerization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 39-52.	2.0	8
35	Clay induced thermoplastic crystals in thermoset matrix: Thermal, Dynamic mechanical, and morphological analysis of clay/nylon-6-epoxy nanocomposites. <i>Polymer Composites</i> , 2016, 37, 2206-2217.	2.3	8
36	Electrical properties of flexible graphene reinforced polyimide composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45372.	1.3	8

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37	Effect of clay on the corrosion inhibition and dynamic mechanical properties of epoxy esterâ€“polyureaâ€“ polysiloxane hybrid coatings. <i>Polymer Engineering and Science</i> , 2012, 52, 2611-2619.	1.5	7
38	Electrochemical behavior of multifunctional grapheneâ€“polyimide nanocomposite film in two different electrolyte solutions. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	7
39	Polyimide Copolymers and Nanocomposites: A Review of the Synergistic Effects of the Constituents on the Fire-Retardancy Behavior. <i>Energies</i> , 2022, 15, 4014.	1.6	7
40	Rate of imidization of polymerizable reaction mixtures: PMR-15. <i>Journal of Applied Polymer Science</i> , 1997, 66, 2529-2538.	1.3	6
41	Synthesis and characterization of crosslinked polyurethane/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	6
42	Effect of isothermal aging on post-imidization and glass transition temperature of LaRC-IA polyimide resin. <i>Polymer Composites</i> , 1997, 18, 397-404.	2.3	5
43	Shape Memory Corrosion-Resistant Polymeric Materials. <i>International Journal of Polymer Science</i> , 2021, 2021, 1-18.	1.2	5
44	Morphology and structure of nylonâ€“6 crystallized in epoxy resin matrix. <i>Polymer Engineering and Science</i> , 2014, 54, 858-866.	1.5	4
45	Rate of electropolymerization of N,N'dimethyl acrylamide in aqueous sulfuric acid solution. <i>Journal of Applied Polymer Science</i> , 1993, 49, 583-592.	1.3	3
46	Electrodeposition of Adherent Polyaniline-Polypyrrole Composite Coatings on Low Carbon Steel. <i>Journal of Adhesion</i> , 2002, 78, 835-860.	1.8	3
47	The effect of morphology on the corrosion inhibition and mechanical properties of hybrid polymer coatings. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1616-1624.	1.3	3
48	Heat of Decomposition and Fire Retardant Behavior of Polyimide-Graphene Nanocomposites. <i>Energies</i> , 2021, 14, 3948.	1.6	3
49	Electrochemical Properties of Porous Graphene/Polyimide-Nickel Oxide Hybrid Composite Electrode Material. <i>Energies</i> , 2021, 14, 582.	1.6	3
50	Carbon fiber-polyaniline composites: Kinetics of electrodeposition of polyaniline onto carbon fibers by cyclic voltammetry. <i>Journal of Adhesion</i> , 2002, 78, 629-643.	1.8	2
51	Electrochemical copolymerization and characterization of aniline and isoprene in aqueous-toluene sulfonic acid solution. <i>Journal of Applied Polymer Science</i> , 2002, 84, 184-192.	1.3	1
52	Formation of polypyrrole coatings onto low carbon steel by electrochemical process. , 1997, 65, 417.		1
53	Novel Polyimide-block-poly(dimethyl siloxane) copolymers: Effect of time on the synthesis and thermal properties. <i>High Performance Polymers</i> , 0, , 095400832110404.	0.8	1
54	Processing and characterization of YSZ-PSS-DBS composites. <i>Journal of Applied Polymer Science</i> , 1999, 74, 502-509.	1.3	0

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55	Relaxation methods for studying transformations in polymer systems. Physics of Complex Systems, 2020, 1, 93-98.	0.2	0