

Engr Christopher Igwe Idumah

List of Publications by Year in descending order

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50
papers

2,644
citations

126708

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docs citations

50
times ranked

907
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Trends in MXene/Conducting Polymeric Hybrid Nanoclusters. Journal of Cluster Science, 2023, 34, 45-76.	1.7	23
2	Recently emerging advancements in polymeric cryogel nanostructures and biomedical applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 1307-1327.	1.8	15
3	Emerging advancements in MXene polysaccharide bionanoarchitectures and biomedical applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2023, 72, 1375-1396.	1.8	13
4	Emerging advancements in flame retardancy of polypropylene nanocomposites. Journal of Thermoplastic Composite Materials, 2022, 35, 2665-2704.	2.6	44
5	Recent advancements in thermolysis of plastic solid wastes to liquid fuel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3495-3508.	2.0	44
6	A review on biomolecular immobilization of polymeric textile biocomposites, bionanocomposites, and nano-biocomposites. Journal of the Textile Institute, 2022, 113, 2016-2032.	1.0	13
7	Recent advancements in hybridized polymer nano-biocomposites for tissue engineering. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 1262-1276.	1.8	17
8	Recent advancements in conducting polymer bionanocomposites and hydrogels for biomedical applications. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 513-530.	1.8	56
9	On energy storage capacity of conductive MXene hybrid nanoarchitectures. Journal of Energy Storage, 2022, 45, 103686.	3.9	30
10	Recently emerging advancements in montmorillonite polymeric nanoarchitectures and applications. Cleaner Materials, 2022, 4, 100071.	1.9	35
11	Characterization of mechanical and thermal properties of esterified lignin modified polypropylene composites filled with chitosan fibers. Polymers and Polymer Composites, 2022, 30, 096739112210824.	1.0	21
12	Recent trends in MXene polymeric Hydrogel bionanoarchitectures and applications. Cleaner Materials, 2022, 5, 100103.	1.9	22
13	Emerging trends in Poly(lactic-co-glycolic) acid bionanoarchitectures and applications. Cleaner Materials, 2022, 5, 100102.	1.9	26
14	Recent advancements in self-healing polymers, polymer blends, and nanocomposites. Polymers and Polymer Composites, 2021, 29, 246-258.	1.0	69
15	Progress in polymer nanocomposites for bone regeneration and engineering. Polymers and Polymer Composites, 2021, 29, 509-527.	1.0	80
16	Novel trends in self-healable polymer nanocomposites. Journal of Thermoplastic Composite Materials, 2021, 34, 834-858.	2.6	61
17	Understanding interfacial influence on properties of polymer nanocomposites. Surfaces and Interfaces, 2021, 22, 100879.	1.5	83
18	Understanding interfacial dispersions in ecobenign polymer nano-biocomposites. Polymer-Plastics Technology and Materials, 2021, 60, 233-252.	0.6	42

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19	Recent advances in polymer hydrogel nanoarchitectures and applications. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100143.	2.9	47
20	On interfacial and surface behavior of polymeric MXenes nanoarchitectures and applications. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100104.	2.9	43
21	Novel Trends in Magnetic Polymeric Nanoarchitectures. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 830-848.	0.6	13
22	Novel trends in conductive polymeric nanocomposites, and bionanocomposites. <i>Synthetic Metals</i> , 2021, 273, 116674.	2.1	83
23	Emerging trends in self-polishing anti-fouling coatings for marine environment. <i>Safety in Extreme Environments</i> , 2021, 3, 9-25.	1.8	67
24	Emerging trends in polymer aerogel nanoarchitectures, surfaces, interfaces and applications. <i>Surfaces and Interfaces</i> , 2021, 25, 101258.	1.5	48
25	Influence of nanotechnology in polymeric textiles, applications, and fight against COVID-19. <i>Journal of the Textile Institute</i> , 2021, 112, 2056-2076.	1.0	59
26	A review: advancements in conductive polymers nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 756-783.	0.6	50
27	Novel advancements in green and sustainable polymeric nanocomposites coatings. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100173.	2.9	15
28	Novel trends in poly (lactic) acid hybrid bionanocomposites. <i>Cleaner Materials</i> , 2021, 2, 100022.	1.9	43
29	Recent advancements in flame retardancy of MXene polymer nanoarchitectures. <i>Safety in Extreme Environments</i> , 2021, 3, 253-273.	1.8	16
30	Electrical, thermal and flammability properties of conductive filler kenaf fiber reinforced polymer nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2020, 33, 516-540.	2.6	74
31	A review on innovations in polymeric nanocomposite packaging materials and electrical sensors for food and agriculture. <i>Composite Interfaces</i> , 2020, 27, 1-72.	1.3	70
32	Recently Emerging Nanotechnological Advancements in Polymer Nanocomposite Coatings for Anti-corrosion, Anti-fouling and Self-healing. <i>Surfaces and Interfaces</i> , 2020, 21, 100734.	1.5	86
33	Recent advancement in self-healing graphene polymer nanocomposites, shape memory, and coating materials. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1167-1190.	0.6	40
34	Novel trends in plastic waste management. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	99
35	Influence of chemical modification of kenaf fiber on xGNP-PP nano-biocomposites. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	64
36	Recently Emerging Trends in Bone Replacement Polymer Nanocomposites. , 2019, , 139-166.		49

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37	Recently emerging trends in polymer nanocomposites packaging materials. Polymer-Plastics Technology and Materials, 2019, 58, 1054-1109.	0.6	65
38	Recently emerging advancements in halloysite nanotubes polymer nanocomposites. Composite Interfaces, 2019, 26, 751-824.	1.3	99
39	Synergistic effect of exfoliated graphene nanoplatelets and non-halogen flame retardants on flame retardancy and thermal properties of kenaf flour-PP nanocomposites. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1681-1703.	2.0	85
40	Influence of exfoliated graphene nanoplatelets on flame retardancy of kenaf flour polypropylene hybrid nanocomposites. Journal of Analytical and Applied Pyrolysis, 2017, 123, 65-72.	2.6	102
41	Hibiscus Cannabinus Fiber/PP based Nano-Biocomposites Reinforced with Graphene Nanoplatelets. Journal of Natural Fibers, 2017, 14, 691-706.	1.7	95
42	Recently emerging trends in thermal conductivity of polymer nanocomposites. Reviews in Chemical Engineering, 2016, 32, .	2.3	76
43	Emerging trends in graphene carbon based polymer nanocomposites and applications. Reviews in Chemical Engineering, 2016, 32, .	2.3	71
44	Characterization and preparation of conductive exfoliated graphene nanoplatelets kenaf fibre hybrid polypropylene composites. Synthetic Metals, 2016, 212, 91-104.	2.1	114
45	Emerging trends in eco-compliant, synergistic, and hybrid assembling of multifunctional polymeric bionanocomposites. Reviews in Chemical Engineering, 2016, .	2.3	10
46	Effect of exfoliated graphite nanoplatelets on thermal and heat deflection properties of kenaf polypropylene hybrid nanocomposites. Journal of Polymer Engineering, 2016, 36, 877-889.	0.6	79
47	Emerging trends in flame retardancy of biofibers, biopolymers, biocomposites, and bionanocomposites. Reviews in Chemical Engineering, 2016, 32, .	2.3	36
48	A review of recent developments in flammability of polymer nanocomposites. Reviews in Chemical Engineering, 2015, 31, .	2.3	108
49	Recent advancements in self-healing polymeric hydrogels, shape memory, and stretchable materials. International Journal of Polymeric Materials and Polymeric Biomaterials, 0, , 1-26.	1.8	25
50	Novel trends in polymer aerogel nanocomposites. Polymer-Plastics Technology and Materials, 0, , 1-13.	0.6	19