

Rotimi E Sadiku

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
299	A mini review on hydrogels classification and recent developments in miscellaneous applications. <i>Materials Science and Engineering C</i> , 2017 , 79, 958-971	8.3	230
298	Alginate-based composite materials for wound dressing application:A mini review. <i>Carbohydrate Polymers</i> , 2020 , 236, 116025	10.3	198
297	Toughening of biodegradable polylactide/poly(butylene succinate-co-adipate) blends via in situ reactive compatibilization. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 4266-76	9.5	189
296	Recent progress on natural fiber hybrid composites for advanced applications: A review. <i>EXPRESS Polymer Letters</i> , 2019 , 13, 159-198	3.4	185
295	Preparation and characterization of nano-cellulose with new shape from different precursor. <i>Carbohydrate Polymers</i> , 2013 , 98, 562-7	10.3	154
294	Cellulose-polymer-Ag nanocomposite fibers for antibacterial fabrics/skin scaffolds. <i>Carbohydrate Polymers</i> , 2013 , 93, 553-60	10.3	112
293	Development of novel biodegradable Au nanocomposite hydrogels based on wheat: for inactivation of bacteria. <i>Carbohydrate Polymers</i> , 2013 , 92, 2193-200	10.3	110
292	Role of specific interfacial area in controlling properties of immiscible blends of biodegradable polylactide and poly[(butylene succinate)-co-adipate]. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6690-701	9.5	106
291	A review of natural fibres, their sustainability and automotive applications. <i>Journal of Reinforced Plastics and Composites</i> , 2016 , 35, 1041-1050	2.9	106
290	lota-Carrageenan-based biodegradable Ag0 nanocomposite hydrogels for the inactivation of bacteria. <i>Carbohydrate Polymers</i> , 2013 , 95, 188-94	10.3	104
289	Removal of dye by carboxymethyl cellulose, acrylamide and graphene oxide via a free radical polymerization process. <i>Carbohydrate Polymers</i> , 2017 , 164, 186-194	10.3	95
288	Development of polyvinyl alcohol/chitosan bio-nanocomposite films reinforced with cellulose nanocrystals isolated from rice straw. <i>Applied Surface Science</i> , 2018 , 449, 591-602	6.7	90
287	Effect of nanoclay loading on the thermal and mechanical properties of biodegradable polylactide/poly[(butylene succinate)-co-adipate] blend composites. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2395-405	9.5	87
286	Carboxymethyl cellulose-based materials for infection control and wound healing: A review. <i>International Journal of Biological Macromolecules</i> , 2020 , 164, 963-975	7.9	87
285	Utilisation of natural fibre as modifier in bituminous mixes: A review. <i>Construction and Building Materials</i> , 2014 , 54, 305-312	6.7	86
284	Morphology and Properties of Electrospun PCL and Its Composites for Medical Applications: A Mini Review. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2205	2.6	79
283	Structure and properties of new natural cellulose fabrics from <i>Cordia dichotoma</i> . <i>Carbohydrate Polymers</i> , 2011 , 86, 1623-1629	10.3	78

282	Thermoplastic Processing of PLA/Cellulose Nanomaterials Composites. <i>Polymers</i> , 2018 , 10,	4.5	66
281	Hemp Fiber-Reinforced 1-Pentene/Polypropylene Copolymer: The Effect of Fiber Loading on the Mechanical and Thermal Characteristics of the Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 1533-1544	2.9	64
280	5-Fluorouracil Loaded Chitosan-PVA/NaMMT Nanocomposite Films for Drug Release and Antimicrobial Activity. <i>Nano-Micro Letters</i> , 2016 , 8, 260-269	19.5	60
279	Preparation and properties of biodegradable films from Sterculia urens short fiber/cellulose green composites. <i>Carbohydrate Polymers</i> , 2013 , 93, 622-7	10.3	60
278	Unique isothermal crystallization phenomenon in the ternary blends of biopolymers polylactide and poly[(butylene succinate)-co-adipate] and nano-clay. <i>Polymer</i> , 2012 , 53, 505-518	3.9	59
277	Structure and properties of highly toughened biodegradable polylactide/ZnO biocomposite films. <i>International Journal of Biological Macromolecules</i> , 2014 , 64, 428-34	7.9	57
276	A review on the sustainability of natural fiber in matrix reinforcement I A practical perspective. <i>Journal of Reinforced Plastics and Composites</i> , 2016 , 35, 3-7	2.9	56
275	Preparation and characterization of poly(ethylene glycol) stabilized nano silver particles by a mechanochemical assisted ball mill process. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	54
274	Dependency of the Mechanical Properties of Sisal Fiber Reinforced Recycled Polypropylene Composites on Fiber Surface Treatment, Fiber Content and Nanoclay. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 427-434	4.5	48
273	Extraction and Characterization of Natural Cellulose Fibers from Maize Tassel. <i>International Journal of Polymer Analysis and Characterization</i> , 2015 , 20, 99-109	1.7	48
272	Sustaining the shelf life of fresh food in cold chain I A burden on the environment. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 1359-1365	6.1	47
271	Mechanical properties of sisal fibre-reinforced polymer composites: a review. <i>Composite Interfaces</i> , 2016 , 23, 15-36	2.3	46
270	Application of maize tassel for the removal of Pb, Se, Sr, U and V from borehole water contaminated with mine wastewater in the presence of alkaline metals. <i>Journal of Hazardous Materials</i> , 2009 , 164, 884-91	12.8	46
269	Antifungal activity of five different essential oils in vapour phase for the control of Colletotrichum gloeosporioides and Lasiodiplodia theobromae in vitro and on mango. <i>International Journal of Food Science and Technology</i> , 2016 , 51, 411-418	3.8	45
268	Material characterization of blended sisal-kenaf composites with an ABS matrix. <i>Applied Acoustics</i> , 2017 , 125, 184-193	3.1	44
267	Effects of Essential Oil Vapour Treatment on the Postharvest Disease Control and Different Defence Responses in Two Mango (Mangifera indica L.) Cultivars. <i>Food and Bioprocess Technology</i> , 2017 , 10, 1131-1141	5.1	39
266	Kinetic release studies of nitrogen-containing bisphosphonate from gum acacia crosslinked hydrogels. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 115-23	7.9	39
265	A Review on Polymer Nanocomposites and Their Effective Applications in Membranes and Adsorbents for Water Treatment and Gas Separation. <i>Membranes</i> , 2021 , 11,	3.8	38

264	Electrospun Alginate Nanofibers Toward Various Applications: A Review. <i>Materials</i> , 2020 , 13,	3.5	37
263	The use of polypropylene in bamboo fibre composites and their mechanical properties A review. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 1347-1356	2.9	36
262	Mechanical evaluation of hybrid natural fibre reinforced polymeric composites for automotive bumper beam: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 103, 1781-1797	2.2	35
261	Development of biodegradable metaloxide/polymer nanocomposite films based on poly-ε-caprolactone and terephthalic acid. <i>Materials Science and Engineering C</i> , 2017 , 70, 85-93	8.3	34
260	5-Fluorouracil encapsulated magnetic nanohydrogels for drug-delivery applications. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	33
259	¹³ C NMR Study of Copolymers of Propene with Higher 1-Olefins with New Microstructures by ansa-Zirconocene Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1738-1746	2.6	32
258	Antibiotic copper oxide-curcumin nanomaterials for antibacterial applications. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112353	6	32
257	Recent developments in polymeric electrospun nanofibrous membranes for seawater desalination.. <i>RSC Advances</i> , 2018 , 8, 37915-37938	3.7	32
256	Influence of Boehmite Nanoparticle Loading on the Mechanical, Thermal, and Rheological Properties of Biodegradable Polylactide/Poly(ε-caprolactone) Blends. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 31-47	3.9	31
255	Development of novel protein-Ag nanocomposite for drug delivery and inactivation of bacterial applications. <i>International Journal of Biological Macromolecules</i> , 2014 , 63, 75-82	7.9	31
254	A Review of the Factors that Influence Sound Absorption and the Available Empirical Models for Fibrous Materials. <i>Acoustics Australia</i> , 2017 , 45, 453-469	1.4	31
253	Characterization of an exopolysaccharide produced by <i>Lactobacillus plantarum</i> HM47 isolated from human breast milk. <i>Process Biochemistry</i> , 2018 , 73, 15-22	4.8	30
252	Mechanical performance and water uptake behaviour of treated bamboo fibre-reinforced high-density polyethylene composites. <i>Heliyon</i> , 2019 , 5, e02028	3.6	30
251	Biomolecule chitosan, curcumin and ZnO-based antibacterial nanomaterial, via a one-pot process. <i>Carbohydrate Polymers</i> , 2020 , 249, 116825	10.3	30
250	A potential utilization of end-of-life tyres as recycled carbon black in EPDM rubber. <i>Waste Management</i> , 2018 , 74, 110-122	8.6	29
249	Negative impact from the application of natural fibers. <i>Journal of Cleaner Production</i> , 2017 , 143, 843-846	10.3	28
248	Spark plasma sintering of graphite/aluminum powder reinforced with SiC/Si particles. <i>Powder Technology</i> , 2015 , 284, 504-513	5.2	28
247	A review on the impact of mining operation: Monitoring, assessment and management. <i>Results in Engineering</i> , 2020 , 8, 100181	3.3	28

246	Structure and properties of poly (lactic acid)/Sterculia urens uniaxial fabric biocomposites. <i>Carbohydrate Polymers</i> , 2013 , 94, 822-8	10.3	28
245	Concurrent Enhancement of Multiple Properties in Reactively Processed Nanocomposites of Polylactide/Poly[(butylene succinate)-co-adipate] Blend and Organoclay. <i>Macromolecular Materials and Engineering</i> , 2014 , 299, 596-608	3.9	27
244	Effects of multiscale rice straw (<i>Oryza sativa</i>) as reinforcing filler in montmorillonite-polyvinyl alcohol biocomposite packaging film for enhancing the storability of postharvest mango fruit (<i>Mangifera indica</i> L.). <i>Applied Clay Science</i> , 2018 , 158, 1-10	5.2	26
243	Development of Gelatin Based Inorganic Nanocomposite Hydrogels for Inactivation of Bacteria. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 1054-1060	3.2	25
242	A unique application of the second order derivative of FTIRATR spectra for compositional analyses of natural rubber and polychloroprene rubber and their blends. <i>Polymer Testing</i> , 2017 , 62, 447-453	4.5	25
241	Morphology and Thermal Properties of Compatibilized PA12/PP Blends with Boehmite Alumina Nanofiller Inclusions. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 627-638	3.9	25
240	Corrosion and Wear Behaviour of Spark Plasma-Sintered NiCrCoAlTiW-Ta Superalloy. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020 , 6, 1	2.9	25
239	Temperature-responsive poly(N-vinylcaprolactam-co-hydroxyethyl methacrylate) nanogels for controlled release studies of curcumin. <i>Designed Monomers and Polymers</i> , 2015 , 18, 705-713	3.1	24
238	Barrier properties of blends based on liquid crystalline polymers and polyethylene. <i>Polymer Engineering and Science</i> , 2000 , 40, 1969-1978	2.3	24
237	Influence of Operation Parameters on Metal Deposition in Bright Nickel-plating Process. <i>Portugaliae Electrochimica Acta</i> , 2011 , 29, 91-100	2.4	23
236	Impact of Surface Modification and Nanoparticle on Sisal Fiber Reinforced Polypropylene Nanocomposites. <i>Journal of Nanotechnology</i> , 2016 , 2016, 1-9	3.5	23
235	Characterization and in vitro release kinetics of antimalarials from whey protein-based hydrogel biocomposites. <i>International Journal of Industrial Chemistry</i> , 2018 , 9, 39-52	3.1	22
234	Development and characterization of nano-multifunctional materials for advanced applications. <i>RSC Advances</i> , 2014 , 4, 60363-60370	3.7	22
233	Minimizing energy consumption in refrigerated vehicles through alternative external wall. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 67, 89-93	16.2	22
232	Investigation of the degree of homogeneity and hydrogen bonding in PEG/PVP blends prepared in supercritical CO ₂ : Comparison with ethanol-cast blends and physical mixtures. <i>Journal of Supercritical Fluids</i> , 2010 , 54, 81-88	4.2	22
231	Morphology, Thermal Stability, and Flammability Properties of Polymer-Layered Double Hydroxide (LDH) Nanocomposites: A Review. <i>Crystals</i> , 2020 , 10, 612	2.3	22
230	Towards Development of an Optimization Model to Identify Contamination Source in a Water Distribution Network. <i>Water (Switzerland)</i> , 2018 , 10, 579	3	21
229	Properties and Characterization of a PLA-Chitin-Starch Biodegradable Polymer Composite. <i>Polymers</i> , 2019 , 11,	4.5	21

228	Development of microbial resistant Carbopol nanocomposite hydrogels via a green process. <i>Biomaterials Science</i> , 2014 , 2, 257-263	7.4	20
227	Preparation and Characterization of Sodium Alginate-Based Hydrogels and Their In Vitro Release Studies. <i>Advances in Polymer Technology</i> , 2013 , 32, n/a-n/a	1.9	20
226	Supercritical CO ₂ -assisted preparation of ibuprofen-loaded PEG/PVP complexes. <i>Journal of Supercritical Fluids</i> , 2011 , 57, 190-197	4.2	20
225	Effect of titanium addition on the microstructure, electrical conductivity and mechanical properties of copper by using SPS for the preparation of Cu-Ti alloys. <i>Journal of Alloys and Compounds</i> , 2018 , 736, 163-171	5.7	20
224	Development of microbial resistant thermosensitive Ag nanocomposite (gelatin) hydrogels via green process. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 928-34	5.4	19
223	Polyhedral oligomeric silsesquioxane/polyamide bio-nanocomposite membranes: structure-gas transport properties. <i>RSC Advances</i> , 2015 , 5, 11272-11283	3.7	19
222	Development of high alginate comprised hydrogels for removal of Pb(II) ions. <i>Journal of Molecular Liquids</i> , 2020 , 298, 112087	6	19
221	Experimental investigation of modified bentonite clay-crumb rubber concrete. <i>Construction and Building Materials</i> , 2020 , 233, 117187	6.7	19
220	A state-of-the-art review of an optimal sensor placement for contaminant warning system in a water distribution network. <i>Urban Water Journal</i> , 2018 , 15, 985-1000	2.3	19
219	Theoretical performance of nanofiltration membranes for wastewater treatment. <i>Environmental Chemistry Letters</i> , 2015 , 13, 37-47	13.3	18
218	Mechanical properties of uniaxial natural fabric <i>Grewia tilifolia</i> reinforced epoxy based composites: Effects of chemical treatment. <i>Fibers and Polymers</i> , 2014 , 15, 1462-1468	2	18
217	Microstructure of Metallocene-Catalyzed Propene/1-Pentene Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1643-1652	2.6	18
216	Parametric Analysis of Electrical Conductivity of Polymer-Composites. <i>Polymers</i> , 2019 , 11,	4.5	17
215	In situ FTIR spectroscopic study of the effect of CO ₂ sorption on H-bonding in PEG-PVP mixtures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 78, 1500-6	4.4	17
214	Nanocomposites of PEDOT:PSS with Graphene and its Derivatives for Flexible Electronic Applications: A Review. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000716	3.9	17
213	Green synthesis of tea Ag nanocomposite hydrogels via mint leaf extraction for effective antibacterial activity. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1588-1602	3.5	16
212	Analysis of clean coal technology in Nigeria for energy generation. <i>Energy Strategy Reviews</i> , 2018 , 20, 64-70	9.8	16
211	Determination of Optimum Conditions for the Production of Activated Carbon Derived from Separate Varieties of Coconut Shells. <i>International Journal of Chemical Engineering</i> , 2017 , 2017, 1-16	2.2	16

210	Characterization of Two Nanofiltration Membranes for the Separation of Ions from Acid Mine Water. <i>Mine Water and the Environment</i> , 2017 , 36, 401-408	2.4	15
209	Gas flaring and its impact on electricity generation in Nigeria. <i>Journal of Natural Gas Science and Engineering</i> , 2016 , 29, 1-6	4.6	15
208	Application of nanoparticles and composite materials for energy generation and storage. <i>IET Nanodielectrics</i> , 2019 , 2, 115-122	2.8	15
207	Optimization of SPS processing parameters on the density and hardness properties of graphene reinforced polylactic acid nanocomposite. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 4047-4058	3.2	14
206	Influence of sintering temperature on the corrosion and wear behaviour of spark plasma sintered Inconel 738LC alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 4195-4206	3.2	14
205	Effect of Boehmite Alumina Nanofiller Incorporation on the Morphology and Thermal Properties of Functionalized Poly(propylene)/Polyamide 12 Blends. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 237-248	3.9	14
204	Biocidal (bacterial and cancer cells) activities of chitosan/CuO nanomaterial, synthesized via a green process. <i>Carbohydrate Polymers</i> , 2021 , 259, 117762	10.3	14
203	Spark plasma sintering of nickel and nickel based alloys: A Review. <i>Procedia Manufacturing</i> , 2019 , 35, 1324-1329	1.5	13
202	Correlations between Fibre Diameter, Physical Parameters, and the Mechanical Properties of Randomly Oriented Biobased Polylactide Nanofibres. <i>Fibers and Polymers</i> , 2019 , 20, 100-112	2	13
201	Sustainable Chemicals: A Brief Survey of the Furans. <i>Chemistry Africa</i> , 2020 , 3, 481-496	2.2	13
200	Silver nanoparticles incorporated within intercalated clay/polymer nanocomposite hydrogels for antibacterial studies. <i>Polymer Composites</i> , 2017 , 38, E16-E23	3	12
199	Temperature-sensitive semi-IPN composite hydrogels for antibacterial applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 572, 307-316	5.1	12
198	Plastics in municipal drinking water and wastewater treatment plant effluents: challenges and opportunities for South Africa-a review. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 12953-12966	5.1	12
197	Depth filtration of airborne agglomerates using electrospun bio-based polylactide membranes. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 762-772	6.8	12
196	Synthesis, characterization, and antiplasmodial activity of polymer-incorporated aminoquinolines. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 1941-9	5.4	12
195	Biocidal chitosan-magnesium oxide nanoparticles via a green precipitation process. <i>Journal of Hazardous Materials</i> , 2021 , 411, 124884	12.8	12
194	Prospects of nanostructured composite materials for energy harvesting and storage. <i>Journal of King Saud University - Science</i> , 2020 , 32, 758-764	3.6	12
193	A Techno-economic Analysis of Anaerobic Digestion and Gasification Hybrid System: Energy Recovery from Municipal Solid Waste in South Africa. <i>Waste and Biomass Valorization</i> , 2021 , 12, 1167-1184	3.2	12

192	Development of bacterial-resistant electrospun polylactide membrane for air filtration application: Effects of reduction methods and their loadings. <i>Polymer Degradation and Stability</i> , 2020 , 178, 109205	4.7	11
191	The Role of Two-Step Blending in the Properties of Starch/Chitin/Polylactic Acid Biodegradable Composites for Biomedical Applications. <i>Polymers</i> , 2020 , 12,	4.5	11
190	Microstructural characteristics and thermophysical properties of spark plasma sintered Inconel 738LC. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 1425-1436	3.2	11
189	Effect of Alkali Treatment on the Morphology and Tensile Properties of Cordia Dichotoma Fabric/Polycarbonate Composites. <i>Advances in Polymer Technology</i> , 2013 , 32, n/a-n/a	1.9	11
188	Targeted drug delivery potential of hydrogel biocomposites containing partially and thermally reduced graphene oxide and natural polymers prepared via green process. <i>Colloid and Polymer Science</i> , 2015 , 293, 409-420	2.4	11
187	The Rheological and Mechanical Properties of Ethylene-Vinyl Acetate (EVA) Copolymer and Organoclay Nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2010 , 29, 558-570	2.9	11
186	Extraction of cellulose nanocrystals from areca waste and its application in eco-friendly biocomposite film. <i>Chemosphere</i> , 2022 , 287, 132084	8.4	11
185	Synthesis and characterization of polyamidoamine conjugates of neridronic acid. <i>Polymer Bulletin</i> , 2015 , 72, 417-439	2.4	10
184	Effect of water glass treatment on the mechanical and thermooxidative properties of kenaf and sisal fibres. <i>Journal of Reinforced Plastics and Composites</i> , 2012 , 31, 1261-1269	2.9	10
183	Mechanical properties of high density polyethylene matrix composites reinforced with chitosan particles. <i>Materials Today: Proceedings</i> , 2021 , 38, 682-687	1.4	10
182	Preparation of antibacterial temperature-sensitive silver-nanocomposite hydrogels from N-isopropylacrylamide with green tea. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45739	2.9	9
181	Porous and fractal analysis on the permeability of nanofiltration membranes for the removal of metal ions. <i>Journal of Materials Science</i> , 2016 , 51, 2499-2511	4.3	9
180	Effect of fibre loading on mechanical and thermal properties of sisal and kenaf fibre-reinforced injection moulded composites. <i>Journal of Reinforced Plastics and Composites</i> , 2014 , 33, 283-293	2.9	9
179	Development of microbial protective Kolliphor-based nanocomposite hydrogels. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	9
178	Use of modified atmosphere packaging combined with essential oils for prolonging post-harvest shelf life of mango (cv. Banganapalli and cv. Totapuri). <i>LWT - Food Science and Technology</i> , 2021 , 148, 111662	5.4	9
177	Adsorptive Performance Mechanism of the DNA of Calf Thymus Gland (CTGDNA) on 3CR12 Stainless Steel as Corrosion Inhibitor in Acidic Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	8
176	Mechanical property prediction of SPS processed GNP/PLA polymer nanocomposite using artificial neural network. <i>Cogent Engineering</i> , 2020 , 7, 1720894	1.5	8
175	Physicochemical and Engineering Properties of Nanocomposite Films Based on Chitosan and Pseudoboehmite Alumina. <i>Food and Bioprocess Technology</i> , 2014 , 7, 2423-2433	5.1	8

174	Investigation and Modeling of the Electrical Conductivity of Graphene Nanoplatelets-Loaded Doped-Polypyrrole. <i>Polymers</i> , 2021 , 13,	4.5	8
173	Polyethylene glycol-gum acacia-based multidrug delivery system for controlled delivery of anticancer drugs. <i>Polymer Bulletin</i> , 2019 , 76, 5011-5037	2.4	8
172	Physical, antifungal, and biodegradable properties of cellulose nanocrystals and chitosan nanoparticles for food packaging application. <i>Materials Today: Proceedings</i> , 2021 , 38, 860-869	1.4	8
171	Synthesis, characterization and in vitro cytotoxicity evaluation of polyamidoamine conjugate containing pamidronate and platinum drug. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 43, 267-273	4.5	8
170	Micostructural and Mechanical Properties of Geopolymers Synthesized from Three Coal Fly Ashes from South Africa. <i>Energy & Fuels</i> , 2017 , 31, 1712-1722	4.1	7
169	Microscopical characterizations of nanofiltration membranes for the removal of nickel ions from aqueous solution. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 731-742	2.8	7
168	Polyolefins and the environment 2017 , 89-133		7
167	Nanomembrane Materials Based on Polymer Blends 2016 , 101-123		7
166	Spark plasma sintering of Inconel 738LC: densification and microstructural characteristics. <i>Materials Research Express</i> , 2019 , 6, 1065g8	1.7	7
165	A New Series of Two-Ring-Based Side Chain Liquid Crystalline Polymers: Synthesis and Mesophase Characterization. <i>Australian Journal of Chemistry</i> , 2013 , 66, 667	1.2	7
164	Thermal properties of spark plasma -sintered polylactide/graphene composites. <i>Materials Chemistry and Physics</i> , 2020 , 242, 122545	4.4	7
163	Improving the durability of tillage tools through surface modification— review. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 116, 83-98	3.2	7
162	Compounding and the mechanical properties of catla fish scales reinforced-polypropylene composite from biowaste to biomaterial. <i>Advanced Composite Materials</i> , 2020 , 29, 115-128	2.8	7
161	Investigation of graphene loaded polypyrrole for lithium-ion battery. <i>Materials Today: Proceedings</i> , 2021 , 38, 635-638	1.4	7
160	Mechanical and wear behaviour of polylactic acid matrix composites reinforced with crab-shell synthesized chitosan microparticles. <i>Materials Today: Proceedings</i> , 2021 , 38, 999-1005	1.4	7
159	A comparative study of geopolymers synthesized from OXY-combustion and chemical looping combustion bottom ashes. <i>Construction and Building Materials</i> , 2017 , 136, 246-255	6.7	6
158	Thermal, structural and morphological properties of High Density Polyethylene matrix composites reinforced with submicron agro silica particles and Titania particlesPeer review under responsibility of Taibah University.View all notes. <i>Journal of Taibah University for Science</i> , 2017 , 11, 645-653	3	6
157	Studies On The Chemical Resistance And Mechanical Properties Of Natural Polyalthia Cerasoides Woven Fabric/Glass Hybridized Epoxy Composites. <i>Advanced Materials Letters</i> , 2015 , 6, 114-119	2.4	6

156	Enhanced reactivity of geopolymers produced from fluidized bed combustion bottom ash. <i>South African Journal of Chemical Engineering</i> , 2020 , 34, 72-77	3.2	6
155	Automotive components composed of polyolefins 2017 , 449-496		6
154	Improving mechanical and thermal properties of graphite/aluminium composite using Si, SiC and eggshell particles. <i>Journal of Composite Materials</i> , 2020 , 54, 2365-2376	2.7	6
153	Statistical characterization and simulation of graphene-loaded polypyrrole composite electrical conductivity. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 15788-15801	5.5	6
152	Polymers blends for the improvement of nanofiltration membranes in wastewater treatment: A short review. <i>Materials Today: Proceedings</i> , 2021 , 43, 3365-3368	1.4	6
151	Synthesis methods of borophene, graphene-loaded polypyrrole nanocomposites and their benefits for energy storage applications: A brief overview. <i>FlatChem</i> , 2021 , 26, 100211	5.1	6
150	Comparative study of high velocity impact response of aluminium 3105-H18 and carbon fibre-epoxy composite double hat bumper beams. <i>Materials Today: Proceedings</i> , 2021 , 38, 712-716	1.4	6
149	Recent progress on 2D metal carbide/nitride (MXene) nanocomposites for lithium-based batteries. <i>FlatChem</i> , 2021 , 29, 100281	5.1	6
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