

A Arsad

List of Publications by Year in descending order

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74
papers

1,030
citations

430442

18
h-index

500791

28
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78
all docs

78
docs citations

78
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and factor affecting on the conductivity of polypyrrole: a short review. <i>Polymers for Advanced Technologies</i> , 2021, 32, 1428-1454.	1.6	106
2	A comparative study of various oil extraction techniques from plants. <i>Reviews in Chemical Engineering</i> , 2014, 30, .	2.3	87
3	Ultrasonic-assisted polyaniline-multiwall carbon nanotube photocatalyst for efficient photodegradation of organic pollutants. <i>Journal of Water Process Engineering</i> , 2022, 46, 102557.	2.6	45
4	Application of polymeric nanofluid in enhancing oil recovery at reservoir condition. <i>Journal of Petroleum Science and Engineering</i> , 2020, 194, 107476.	2.1	37
5	Characterization and process optimization of castor oil (<i>Ricinus communis</i> L.) extracted by the soxhlet method using polar and non-polar solvents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 99-104.	2.7	36
6	Comparative study on the enhancement of thermo-mechanical properties of carbon fiber and glass fiber reinforced epoxy composites. <i>Materials Today: Proceedings</i> , 2021, 39, 956-958.	0.9	33
7	A Survey on Industry 4.0 for the Oil and Gas Industry: Upstream Sector. <i>IEEE Access</i> , 2021, 9, 144438-144468.	2.6	33
8	Synthesis and application of rice husk silica nanoparticles for chemical enhanced oil recovery. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13054-13066.	2.6	32
9	High efficient degradation of organic dyes by polypyrrole-multiwall carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1402-1411.	1.6	32
10	Ultrasound-assisted weak-acid hydrolysis of crystalline starch nanoparticles for chemical enhanced oil recovery. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 1251-1271.	3.6	30
11	Detection of breath acetone by semiconductor metal oxide nanostructures-based gas sensors: A review. <i>Materials Science in Semiconductor Processing</i> , 2022, 149, 106897.	1.9	29
12	Comparing natural and synthetic polymeric nanofluids in a mid-permeability sandstone reservoir condition. <i>Journal of Molecular Liquids</i> , 2020, 317, 113947.	2.3	25
13	Mechanical properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Materials Research Innovations</i> , 2014, 18, S6-14-S6-17.	1.0	24
14	Solubility assessment of castor (<i>Ricinus communis</i> L) oil in supercritical CO ₂ at different temperatures and pressures under dynamic conditions. <i>Industrial Crops and Products</i> , 2015, 76, 34-40.	2.5	24
15	Influence of rubber content on mechanical, thermal, and morphological behavior of natural rubber toughened poly(lactic acid)-multiwalled carbon nanotube nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	24
16	Synergy of the flow behaviour and disperse phase of cellulose nanoparticles in enhancing oil recovery at reservoir condition. <i>PLoS ONE</i> , 2019, 14, e0220778.	1.1	23
17	Mechanical and Rheological Properties of PA6/ABS Blends - With and Without Short Glass Fiber. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2808-2820.	1.6	20
18	Bio-based thermoset nanocomposite derived from vegetable oil: a short review. <i>Reviews in Chemical Engineering</i> , 2014, 30, .	2.3	20

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19	Synthesis and Characterization of Cassava Starch Nanocrystals by Hydrolysis Method. <i>Advanced Materials Research</i> , 0, 1113, 446-452.	0.3	19
20	A parametric investigation of castor oil (<i>Ricinus communis</i> L) extraction using supercritical carbon dioxide via response surface optimization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 53, 32-39.	2.7	16
21	Influence of compatibilizer on the structure properties of polylactic acid/natural rubber blends. <i>Polymer Science - Series A</i> , 2016, 58, 177-185.	0.4	16
22	The Effect of pH on the Preparation of Electrically Conductive and Physically Stable PANI/Sago Blend Film via in situ Polymerization. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	16
23	Polymerization of polyaniline under various concentrations of ammonium peroxydisulfate and hydrochloric acid by ultrasonic irradiation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50637.	1.3	16
24	Effect of graphene nanoplatelets on structural, morphological, thermal, and electrical properties of recycled polypropylene/polyaniline nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 9574-9583.	1.1	15
25	Effect of MMT concentrations as reinforcement on the properties of recycled PET/HDPE nanocomposites. <i>Journal of Polymer Engineering</i> , 2013, 33, 615-623.	0.6	14
26	Effect of core-shell rubber toughening on mechanical, thermal, and morphological properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47756.	1.3	14
27	Evaluation of dyes removal by beta-cyclodextrin adsorbent. <i>Materials Today: Proceedings</i> , 2021, 39, 907-910.	0.9	14
28	Green composites based on recycled polyamide-6/recycled polypropylene kenaf composites: mechanical, thermal and morphological properties. <i>Journal of Polymer Engineering</i> , 2012, 32, 291-299.	0.6	13
29	Tensile and Flexural Properties of Montmorillonite Nanoclay Reinforced Epoxy Resin Composites. <i>Advanced Materials Research</i> , 0, 1112, 373-376.	0.3	12
30	Mechanical and Thermal Properties of Rubber Toughened Poly(Lactic Acid). <i>Advanced Materials Research</i> , 0, 1125, 222-226.	0.3	12
31	Enhanced dispersion of carbon nanotubes in high density polyethylene matrix using secondary nanofiller and compatibilizer. <i>Fibers and Polymers</i> , 2015, 16, 129-137.	1.1	11
32	The effect of kenaf loading on the mechanical properties of kenaf-reinforced recycled poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 959-964.	0.9	10
33	The influence of kenaf fiber as reinforcement on recycled polypropylene/recycled polyamide-6 composites. <i>International Journal of Plastics Technology</i> , 2013, 17, 149-162.	2.9	9
34	Mechanical Properties of Epoxidized Palm Oil/Epoxy Resin Blend. <i>Applied Mechanics and Materials</i> , 0, 695, 655-658.	0.2	9
35	Mechanical and Rheological Characterization of PA6 and ABS Blends-With and Without Short Glass Fiber. <i>Journal of Applied Sciences</i> , 2011, 11, 2313-2319.	0.1	9
36	The Effect of Natural Rubber Toughening on Mechanical Properties of Poly(lactic Acid)/Multiwalled Carbon Nanotube Nanocomposite. <i>Advanced Materials Research</i> , 0, 747, 639-642.	0.3	8

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37	Flow Characteristics and Dynamic Behavior of Polyamide 6/Acrylonitrile Butadiene Styrene (PA6/ABS) Blends. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 209-214.	1.8	8
38	Influence of Different Ultrasonic Wave on Polymerization of Polyaniline Nanofiber. Applied Mechanics and Materials, 0, 618, 50-54.	0.2	8
39	Influence of Compatibilizer on Mechanical Properties of Polylactic Acid/Natural Rubber Blends. Applied Mechanics and Materials, 0, 554, 81-85.	0.2	8
40	Effects of Maleated Natural Rubber on Mechanical Properties of Polylactic Acid/Natural Rubber Blends. Materials Science Forum, 2015, 819, 284-289.	0.3	8
41	Effects of Compatibilizer on Thermal and Mechanical Properties of PLA/NR Blends. Materials Science Forum, 2015, 819, 241-245.	0.3	8
42	Novel bio-based resins from blends of functionalised palm oil and unsaturated polyester resin. Materials Research Innovations, 2014, 18, S6-326-S6-330.	1.0	7
43	Effect of polypropylene, ethylene vinyl acetate and polyamide-6 on properties of recycled polypropylene/empty fruit bunch composites. Fibers and Polymers, 2015, 16, 2359-2367.	1.1	7
44	Determination of optimum CO ₂ water alternating gas (CO ₂ -WAG) ratio in Sumatera Light Oilfield. Materials Today: Proceedings, 2021, 39, 970-974.	0.9	7
45	Influence of MMT as reinforcement on rheological behavior, mechanical and morphological properties of recycled PET/ABS thermoplastic nanocomposites. Journal of Polymer Engineering, 2012, 32, .	0.6	6
46	Synthesis of a Compatibilizer and the Effects of Monomer Concentrations. Applied Mechanics and Materials, 0, 554, 96-100.	0.2	6
47	Synthesis of Nano-Polyaniline Using Different Ultrasonic Wave. Applied Mechanics and Materials, 0, 695, 207-210.	0.2	5
48	Effect of Graphene Loading on Mechanical and Morphological Properties of Recycled Polypropylene/Polyaniline Nanocomposites. MATEC Web of Conferences, 2015, 26, 01008.	0.1	5
49	Effect of modified inlet flow strategy on the segregation phenomenon in pulsed fluidized bed of ultrafine particles: A collapse bed study. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108243.	1.8	5
50	Flexural Properties of MMT Reinforced Unsaturated Polyester/Epoxidized Palm Oil Biobased Resin. Advanced Materials Research, 0, 1112, 377-380.	0.3	4
51	Influences of pristine carbon nanotube on the rheological properties of compatibilized polylactic acid/natural rubber nanocomposite. Materials Today: Proceedings, 2021, 39, 951-955.	0.9	4
52	Acid Hydrolysis and Optimization Techniques for Nanoparticles Preparation: Current Review. Applied Biochemistry and Biotechnology, 2022, , .	1.4	4
53	Dynamic mechanical properties and morphology characteristics of rubber-toughened poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	3
54	The Effect of Sonication Time on the Properties of Electrically Conductive PANI/Sago Starch Blend Prepared by the One-Pot Synthesis Method. Frontiers in Materials, 2019, 6, .	1.2	3

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55	Energy Optimization and Effective Control of Reactive Distillation Process for the Production of High Purity Biodiesel. Processes, 2021, 9, 1340.	1.3	3
56	Effect of soil burial on silane treated and untreated kenaf fiber filled linear low-density polyethylene/polyvinyl alcohol composites. BioResources, 2020, 15, 8648-8661.	0.5	3
57	Recent advances in ASP flooding and the implementation of nanoparticles to enhance oil recovery: a short review. Petroleum Science and Technology, 0, , 1-18.	0.7	3
58	A Detailed Insight into Acoustic Attenuation in a Static Bed of Hydrophilic Nanosilica. Nanomaterials, 2022, 12, 1509.	1.9	3
59	Effect of Carbon Nanotube on the Mechanical Properties of Compatibilized Polylactic Acid/Natural Rubber Blend. Applied Mechanics and Materials, 0, 695, 273-276.	0.2	2
60	Characterization and Mechanical Properties of Epoxidized Palm Oil/Epoxy Resin Blend. Advanced Materials Research, 2015, 1113, 13-18.	0.3	2
61	The Influence of Carbon Nanotubes Contents on Electrical and Flammability Properties of Poly(Lactic) Tj ETQq1 1 0,784314 rgBT /Overle 0,3	0,3	2
62	Effect of Voidage on the Collapsing Bed Dynamics of Fine Particles: A Detailed Region-Wise Study. Nanomaterials, 2022, 12, 2019.	1.9	2
63	Enhanced mechanical and thermal properties of CNT/HDPE nanocomposite using MMT as secondary filler. , 2014, , .		1
64	Influence of Nano-Polyaniline Contents on Mechanical Properties of Crosslink Recycled Polypropylene Polyaniline. Advanced Materials Research, 2015, 1125, 13-17.	0.3	1
65	Detecting mechanism of planar electromagnetic sensor in cooking oil discrimination. , 2015, , .		1
66	A Short Review of Biopolymers for Enhanced of Oil Recovery in Mature Fields. Petroleum Chemistry, 0, , 1.	0.4	1
67	The chemistry insight: epoxy sealant as an alternative remedial operation for well integrity. Reviews in Chemical Engineering, 2022, .	2.3	1
68	Coagulation-Flocculation in Water Treatment using Calotropis Procera Leaves: A case study of River in Kaduna, Nigeria. Jurnal Teknologi (Sciences and Engineering), 2014, 67, .	0.3	0
69	ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY FOR PALM COOKING OIL DISCRIMINATOR USING PLANAR ELECTROMAGNETIC SENSOR ARRAY. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	0
70	Carbon-Based Adsorbents from Used Rubber Slipper for Dye Removal. Materials Science Forum, 2019, 951, 83-88.	0.3	0
71	Dielectric and adsorptive properties of potassium hydroxide-treated castor residue carbons. Materials Today: Proceedings, 2021, 39, 1015-1019.	0.9	0
72	Rheological Behavior of Recycled Plastics, Blends and Composites. Composites Science and Technology, 2021, , 193-212.	0.4	0

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73	Morphological, Thermal and Mechanical Properties of Green Composite Based on Recycled Polyethylene/Polyamide-6/Kenaf Composites. , 2015, , 47-66.		0
74	PHYSICAL PROPERTIES OF OIL-RICH SLUDGE-CLAY MIXED BRICKS. Acta Chemica Iasi, 2020, 28, 183-196.	0.1	0