

# 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  
g-index

78  
all docs

78  
docs citations

78  
times ranked

916  
citing authors

#	ARTICLE	IF	CITATIONS
1	High efficient degradation of organic dyes by <sc>polypyrroleâ€multiwall</sc> carbon nanotubes nanocomposites. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1402-1411.	1.6	32
2	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
3	Acid Hydrolysis and Optimization Techniques for Nanoparticles Preparation: Current Review. <i>Applied Biochemistry and Biotechnology</i> , 2022, , .	1.4	4
4	A Detailed Insight into Acoustic Attenuation in a Static Bed of Hydrophilic Nanosilica. <i>Nanomaterials</i> , 2022, 12, 1509.	1.9	3
5	The chemistry insight: epoxy sealant as an alternative remedial operation for well integrity. <i>Reviews in Chemical Engineering</i> , 2022, .	2.3	1
6	Effect of Voidage on the Collapsing Bed Dynamics of Fine Particles: A Detailed Region-Wise Study. <i>Nanomaterials</i> , 2022, 12, 2019.	1.9	2
7	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
8	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
9	Evaluation of dyes removal by beta-cyclodextrin adsorbent. <i>Materials Today: Proceedings</i> , 2021, 39, 907-910.	0.9	14
10	Determination of optimum CO2 water alternating gas (CO2-WAG) ratio in Sumatera Light Oilfield. <i>Materials Today: Proceedings</i> , 2021, 39, 970-974.	0.9	7
11	Dielectric and adsorptive properties of potassium hydroxide-treated castor residue carbons. <i>Materials Today: Proceedings</i> , 2021, 39, 1015-1019.	0.9	0
12	Influences of pristine carbon nanotube on the rheological properties of compatibilized polylactic acid/natural rubber nanocomposite. <i>Materials Today: Proceedings</i> , 2021, 39, 951-955.	0.9	4
13	The effect of kenaf loading on the mechanical properties of kenaf-reinforced recycled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over 959-964.	0.9	10
14	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
15	Effect of modified inlet flow strategy on the segregation phenomenon in pulsed fluidized bed of ultrafine particles: A collapse bed study. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 159, 108243.	1.8	5
16	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
17	Energy Optimization and Effective Control of Reactive Distillation Process for the Production of High Purity Biodiesel. <i>Processes</i> , 2021, 9, 1340.	1.3	3
18	Rheological Behavior of Recycled Plastics, Blends and Composites. <i>Composites Science and Technology</i> , 2021, , 193-212.	0.4	0

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Effect of soil burial on silane treated and untreated kenaf fiber filled linear low-density polyethylene/polyvinyl alcohol composites. <i>BioResources</i> , 2020, 15, 8648-8661.	0.5	3
27	PHYSICAL PROPERTIES OF OIL-RICH SLUDGE-CLAY MIXED BRICKS. <i>Acta Chemica Iasi</i> , 2020, 28, 183-196.	0.1	0
28	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
29	Carbon-Based Adsorbents from Used Rubber Slipper for Dye Removal. <i>Materials Science Forum</i> , 2019, 951, 83-88.	0.3	0
30	Dynamic mechanical properties and morphology characteristics of rubber-toughened poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47756.	1.3	14
31	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
32	The Effect of Sonication Time on the Properties of Electrically Conductive PANI/Sago Starch Blend Prepared by the One-Pot Synthesis Method. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	3
33	ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY FOR PALM COOKING OIL DISCRIMINATOR USING PLANAR ELECTROMAGNETIC SENSOR ARRAY. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
34	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
35	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
36	Influence of Nano-Polyaniline Contents on Mechanical Properties of Crosslink Recycled Polypropylene Polyaniline. <i>Advanced Materials Research</i> , 2015, 1125, 13-17.	0.3	1

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37	Detecting mechanism of planar electromagnetic sensor in cooking oil discrimination. , 2015, , .		1
38	Effect of Graphene Loading on Mechanical and Morphological Properties of Recycled Polypropylene/Polyaniline Nanocomposites. MATEC Web of Conferences, 2015, 26, 01008.	0.1	5
39	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
40	Solubility assessment of castor ( Ricinus communis L) oil in supercritical CO 2 at different temperatures and pressures under dynamic conditions. Industrial Crops and Products, 2015, 76, 34-40.	2.5	24
41	Effects of Maleated Natural Rubber on Mechanical Properties of Polylactic Acid/Natural Rubber Blends. Materials Science Forum, 2015, 819, 284-289.	0.3	8
42	Characterization and Mechanical Properties of Epoxidized Palm Oil/Epoxy Resin Blend. Advanced Materials Research, 2015, 1113, 13-18.	0.3	2
43	Enhanced dispersion of carbon nanotubes in high density polyethylene matrix using secondary nanofiller and compatibilizer. Fibers and Polymers, 2015, 16, 129-137.	1.1	11
44	A parametric investigation of castor oil (Ricinus communis L) extraction using supercritical carbon dioxide via response surface optimization. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 32-39.	2.7	16
45	Effects of Compatibilizer on Thermal and Mechanical Properties of PLA/NR Blends. Materials Science Forum, 2015, 819, 241-245.	0.3	8
46	Characterization and process optimization of castor oil (Ricinus communis L.) extracted by the soxhlet method using polar and non-polar solvents. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 99-104.	2.7	36
47	Morphological, Thermal and Mechanical Properties of Green Composite Based on Recycled Polyethylene/Polyamide-6/Kenaf Composites. , 2015, , 47-66.		0
48	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
49	Bio-based thermoset nanocomposite derived from vegetable oil: a short review. Reviews in Chemical Engineering, 2014, 30, .	2.3	20
50	Enhanced mechanical and thermal properties of CNT/HDPE nanocomposite using MMT as secondary filler. , 2014, , .		1
51	A comparative study of various oil extraction techniques from plants. Reviews in Chemical Engineering, 2014, 30, .	2.3	87
52	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
53	Mechanical properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. Materials Research Innovations, 2014, 18, S6-14-S6-17.	1.0	24
54	The influence of kenaf fiber as reinforcement on recycled polypropylene/recycled polyamide-6 composites. International Journal of Plastics Technology, 2013, 17, 149-162.	2.9	9

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55	Effect of MMT concentrations as reinforcement on the properties of recycled PET/HDPE nanocomposites. Journal of Polymer Engineering, 2013, 33, 615-623.	0.6	14
56	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
57	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
58	Green composites based on recycled polyamide-6/recycled polypropylene kenaf composites: mechanical, thermal and morphological properties. Journal of Polymer Engineering, 2012, 32, 291-299.	0.6	13
59	Mechanical and Rheological Characterization of PA6 and ABS Blends-With and Without Short Glass Fiber. Journal of Applied Sciences, 2011, 11, 2313-2319.	0.1	9
60	Mechanical and Rheological Properties of PA6/ABS Blends - With and Without Short Glass Fiber. Journal of Reinforced Plastics and Composites, 2010, 29, 2808-2820.	1.6	20
61	The Effect of Natural Rubber Toughening on Mechanical Properties of Poly(lactic Acid)/Multiwalled Carbon Nanotube Nanocomposite. Advanced Materials Research, 0, 747, 639-642.	0.3	8
62	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
63	Synthesis of Nano-Polyaniline Using Different Ultrasonic Wave. Applied Mechanics and Materials, 0, 695, 207-210.	0.2	5
64	Influence of Different Ultrasonic Wave on Polymerization of Polyaniline Nanofiber. Applied Mechanics and Materials, 0, 618, 50-54.	0.2	8
65	Synthesis of a Compatibilizer and the Effects of Monomer Concentrations. Applied Mechanics and Materials, 0, 554, 96-100.	0.2	6
66	Mechanical Properties of Epoxidized Palm Oil/Epoxy Resin Blend. Applied Mechanics and Materials, 0, 695, 655-658.	0.2	9
67	Influence of Compatibilizer on Mechanical Properties of Polylactic Acid/Natural Rubber Blends. Applied Mechanics and Materials, 0, 554, 81-85.	0.2	8
68	Flexural Properties of MMT Reinforced Unsaturated Polyester/Epoxidized Palm Oil Biobased Resin. Advanced Materials Research, 0, 1112, 377-380.	0.3	4
69	Tensile and Flexural Properties of Montmorillonite Nanoclay Reinforced Epoxy Resin Composites. Advanced Materials Research, 0, 1112, 373-376.	0.3	12
70	Mechanical and Thermal Properties of Rubber Toughened Poly(Lactic Acid). Advanced Materials Research, 0, 1125, 222-226.	0.3	12
71	Synthesis and Characterization of Cassava Starch Nanocrystals by Hydrolysis Method. Advanced Materials Research, 0, 1113, 446-452.	0.3	19
72	The Influence of Carbon Nanotubes Contents on Electrical and Flammability Properties of Poly(Lactic) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	0.3	2

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73	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
74	A Short Review of Biopolymers for Enhanced of Oil Recovery in Mature Fields. Petroleum Chemistry, 0, , 1.	0.4	1