Shishir Sinha

List of Publications by Year
in descending order

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46	881	430874	501196
papers	citations	18	28
		h-index	g-index

47	47	47	959
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Banana fiber reinforced low-density polyethylene composites: effect of chemical treatment and compatibilizer addition. Iranian Polymer Journal (English Edition), 2016, 25, 229-241.	2.4	79
2	Wood flourâ€“reinforced plastic composites: a review. Reviews in Chemical Engineering, 2011, 27, .	4.4	67
3	Chemical carbonization of papaya seed originated charcoals for sorption of Pb(II) from aqueous solution. Journal of Environmental Chemical Engineering, 2014, 2, 9-19.	6.7	59
4	Characterization and thermal kinetic analysis of pineapple leaf fibers and their reinforcement in epoxy. Journal of Elastomers and Plastics, 2019, 51, 224-243.	1.5	56
5	Investigation of the Electrocoagulation Treatment of Cotton Blue Dye Solution using Aluminium Electrodes. Clean - Soil, Air, Water, 2008, 36, 863-869.	1.1	53
6	Effect of Hollow Glass Microspheres on the Morphology, Rheology and Crystallinity of Short Bamboo Fiber-Reinforced Hybrid Polypropylene Composite. Jom, 2019, 71, 548-558.	1.9	44
7	Selective Hydrogenolysis of Glycerol to 1,2-Propanediol over Highly Active and Stable Cu/MgO Catalyst in the Vapor Phase. Organic Process Research and Development, 2016, 20, 1059-1067.	2.7	42
8	Effect of chemical treatment on the mechanical and water absorption properties of bagasse fiber-reinforced epoxy composites. Journal of Polymer Engineering, 2015, 35, 545-550.	1.4	34
9	Microencapsulation of a eutectic PCM using in situ polymerization technique for thermal energy storage. International Journal of Energy Research, 2020, 44, 3854-3864.	4.5	33
10	Vapor phase hydrogenolysis of glycerol to 1,2-propanediol over Î³-Al 2 O 3 supported copper or nickel monometallic and copperâ€“nickel bimetallic catalysts. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 90-96.	5.3	25
11	Study the effect of fiber loading and alkali treatment on the mechanical and water absorption properties of wheat straw fiber-reinforced epoxy composites. Science and Engineering of Composite Materials, 2017, 24, 731-738.	1.4	25
12	Utilization of acetone-butanol-ethanol-water mixture obtained from biomass fermentation as renewable feedstock for hydrogen production via steam reforming: Thermodynamic and energy analyses. Bioresource Technology, 2018, 261, 385-393.	9.6	25
13	Compendious Characterization of Chemically Treated Natural Fiber from Pineapple Leaves for Reinforcement in Polymer Composites. Journal of Natural Fibers, 2021, 18, 845-856.	3.1	25
14	Effect of alkali treatment on the thermal properties of wheat straw fiber reinforced epoxy composites. Journal of Composite Materials, 2017, 51, 323-331.	2.4	22
15	Adsorption study of lead(II) onto xanthated date palm trunk: kinetics, isotherm and mechanism. Desalination and Water Treatment, 2013, 51, 6798-6807.	1.0	21
16	Hybridization effect of coir fiber on physico-mechanical properties of polyethylene-banana/coir fiber hybrid composites. Science and Engineering of Composite Materials, 2018, 25, 133-141.	1.4	21
17	Physico-mechanical properties of coir fiber/LDPE composites: Effect of chemical treatment and compatibilizer. Korean Journal of Chemical Engineering, 2015, 32, 2534-2541.	2.7	19
18	Oxidation of Cyclohexane with Molecular Oxygen Catalyzed by SiO2 Supported Palladium Catalysts. Catalysis Letters, 2008, 125, 139-144.	2.6	18

#	Article	IF	Citations
19	African Teff Straw as a Potential Reinforcement in Polymer Composites for Light-Weight Applications: Mechanical, Thermal, Physical, and Chemical Characterization before and after Alkali Treatment. Journal of Natural Fibers, 2020, 17, 1011-1025.	3.1	18
20	Chromium(VI) removal from aqueous solution and industrial wastewater by modified date palm trunk. Environmental Progress and Sustainable Energy, 2015, 34, 452-460.	2.3	15
21	Epoxy-based composites reinforced with African teff straw (Eragrostis tef) for lightweight applications. Polymers and Polymer Composites, 2019, 27, 189-200.	1.9	13
22	Development and assessment of <scp>Moringa oleifera</scp> (Sahajana) leaves filler/epoxy composites: Characterization, barrier properties and in situ determination of activation energy. Polymer Composites, 2020, 41, 5016-5029.	4.6	13
23	Risk and reliability assessment in chemical process industries using Bayesian methods. Reviews in Chemical Engineering, 2014, 30, .	4.4	12
24	Mathematical modelling of water absorption behavior of bagasse fiber reinforced epoxy composite material. Materials Today: Proceedings, 2018, 5, 16912-16918.	1.8	12
25	Conversion of Glycerol into Value-Added Products Over Cuâ€“Ni Catalyst Supported on Î³-Al2O3 and Activated Carbon. International Journal of Chemical Reactor Engineering, 2014, 12, 151-162.	1.1	11
26	Effect of chemical treatment on thermal properties of bagasse fiber-reinforced epoxy composite. Science and Engineering of Composite Materials, 2017, 24, 237-243.	1.4	11
27	Mechanical, thermal, and water absorption properties of wheat straw/bagasseâ€reinforced epoxy blended composites. Advances in Polymer Technology, 2018, 37, 2497-2503.	1.7	11
28	Thermal degradation of coir fiber reinforced low-density polyethylene composites. Science and Engineering of Composite Materials, 2018, 25, 363-372.	1.4	10
29	Rice husk as reinforcing filler in polypropylene composites. Reviews in Chemical Engineering, 2010, 26, .	4.4	9
30	Adsorptive Removal of Hg(II) from Synthetic and Real Aqueous Solutions Using Modified Papaya Seed. Journal of Dispersion Science and Technology, 2016, 37, 1613-1622.	2.4	9
31	The Influence of Chemical Treatment on the Mechanical Behaviour of hair Fibre-Reinforced Composites. Materials Today: Proceedings, 2018, 5, 22922-22930.	1.8	9
32	Oxidation of styrene over polymerâ€•and nonpolymerâ€anchored Cu(II) and Mn(II) complex catalysts. Journal of Applied Polymer Science, 2013, 127, 3424-3434.	2.6	8
33	Utilization of Natural Cellulosic African Teff Straw Fiber for Development of Epoxy Composites: Thermal Characterization with Activation Energy Analysis. Journal of Natural Fibers, 2022, 19, 6564-6575.	3.1	8
34	Synthesis and catalytic activity of polymerâ€anchored metal complex for oxidation of cyclohexane. Journal of Applied Polymer Science, 2013, 130, 2127-2135.	2.6	7
35	Effect of surface treatment on hair fiber as reinforcement of HDPE composites: Mechanical properties and water absorption kinetics. Korean Journal of Chemical Engineering, 2018, 35, 1209-1218.	2.7	7
36	Pineapple Leaf Fiber Polymer Composites as a Promising Tool for Sustainable, Eco-friendly Composite Material: Review. Journal of Natural Fibers, 2022, 19, 10031-10052.	3.1	6

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37	Effect of alkali treatment on hair fiber as reinforcement of HDPE composites: mechanical properties and water absorption behavior. Science and Engineering of Composite Materials, 2018, 25, 571-578.	1.4	4
38	Studies on thermal properties of microencapsulated eutectic phase change material incorporated different mortar mixes. International Journal of Energy Research, 2021, 45, 2488-2497.	4.5	4
39	Potential of Pineapple Leaf Fibers and Their Modifications for Development of Tile Composites. Journal of Natural Fibers, 2022, 19, 4822-4834.	3.1	4
40	Synthesis of encapsulation of binary mixture by silica and its performance in pure cementitious system. Energy Storage, 2021, 3, e229.	4.3	3
41	Effect of fiber loading on flexural strength of hybrid sisal/hemp-HDPE composites. AIP Conference Proceedings, 2015, , .	0.4	2
42	Effect of chemical treatment on thermal properties of hair fiber-based reinforcement of HF/HDPE composites. Science and Engineering of Composite Materials, 2018, 25, 807-815.	1.4	2
43	Effect of fiber hybridization on mechanical, thermal, and water absorption behavior of HF/CF/HDPE composites. Polymers and Polymer Composites, 2021, 29, S882-S894.	1.9	2
44	Research trends in the development of anodes for electrochemical oxidation of wastewater. Reviews in Chemical Engineering, 2023, 39, 807-855.	4.4	2
45	Experimental investigation of different-shaped microwave-heated potatoes: thermal and quality characteristics analysis for food preservation. Environmental Science and Pollution Research, 2023, 30, 8416-8428.	5.3	1
46	Energy and exergy optimization of oxidative steam reforming of acetoneâ€“butanolâ€“ethanolâ€“water mixture as a renewable source for H₂ production via thermodynamic modeling. Chemical Product and Process Modeling, 2022, 17, 603-618.	0.9	0