

Shishir Sinha

List of Publications by Year in descending order

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46
papers

881
citations

430874
18
h-index

501196
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47
all docs

47
docs citations

47
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of different-shaped microwave-heated potatoes: thermal and quality characteristics analysis for food preservation. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8416-8428.	5.3	1
2	Research trends in the development of anodes for electrochemical oxidation of wastewater. <i>Reviews in Chemical Engineering</i> , 2023, 39, 807-855.	4.4	2
3	Potential of Pineapple Leaf Fibers and Their Modifications for Development of Tile Composites. <i>Journal of Natural Fibers</i> , 2022, 19, 4822-4834.	3.1	4
4	Utilization of Natural Cellulosic African Teff Straw Fiber for Development of Epoxy Composites: Thermal Characterization with Activation Energy Analysis. <i>Journal of Natural Fibers</i> , 2022, 19, 6564-6575.	3.1	8
5	Energy and exergy optimization of oxidative steam reforming of acetone-butanol-ethanol-water mixture as a renewable source for H ₂ production via thermodynamic modeling. <i>Chemical Product and Process Modeling</i> , 2022, 17, 603-618.	0.9	0
6	Pineapple Leaf Fiber Polymer Composites as a Promising Tool for Sustainable, Eco-friendly Composite Material: Review. <i>Journal of Natural Fibers</i> , 2022, 19, 10031-10052.	3.1	6
7	Studies on thermal properties of microencapsulated eutectic phase change material incorporated different mortar mixes. <i>International Journal of Energy Research</i> , 2021, 45, 2488-2497.	4.5	4
8	Compendious Characterization of Chemically Treated Natural Fiber from Pineapple Leaves for Reinforcement in Polymer Composites. <i>Journal of Natural Fibers</i> , 2021, 18, 845-856.	3.1	25
9	Synthesis of encapsulation of binary mixture by silica and its performance in pure cementitious system. <i>Energy Storage</i> , 2021, 3, e229.	4.3	3
10	Effect of fiber hybridization on mechanical, thermal, and water absorption behavior of HF/CF/HDPE composites. <i>Polymers and Polymer Composites</i> , 2021, 29, S882-S894.	1.9	2
11	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. <i>Journal of Natural Fibers</i> , 2020, 17, 1011-1025.	3.1	18
12	Development and assessment of <i>Moringa oleifera</i> (Sahajana) leaves filler/epoxy composites: Characterization, barrier properties and <i>in situ</i> determination of activation energy. <i>Polymer Composites</i> , 2020, 41, 5016-5029.	4.6	13
13	Microencapsulation of a eutectic PCM using <i>in situ</i> polymerization technique for thermal energy storage. <i>International Journal of Energy Research</i> , 2020, 44, 3854-3864.	4.5	33
14	Characterization and thermal kinetic analysis of pineapple leaf fibers and their reinforcement in epoxy. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 224-243.	1.5	56
15	Epoxy-based composites reinforced with African teff straw (<i>Eragrostis tef</i>) for lightweight applications. <i>Polymers and Polymer Composites</i> , 2019, 27, 189-200.	1.9	13
16	Effect of Hollow Glass Microspheres on the Morphology, Rheology and Crystallinity of Short Bamboo Fiber-Reinforced Hybrid Polypropylene Composite. <i>Jom</i> , 2019, 71, 548-558.	1.9	44
17	Utilization of acetone-butanol-ethanol-water mixture obtained from biomass fermentation as renewable feedstock for hydrogen production via steam reforming: Thermodynamic and energy analyses. <i>Bioresource Technology</i> , 2018, 261, 385-393.	9.6	25
18	Mechanical, thermal, and water absorption properties of wheat straw/bagasse-reinforced epoxy blended composites. <i>Advances in Polymer Technology</i> , 2018, 37, 2497-2503.	1.7	11

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19	Effect of surface treatment on hair fiber as reinforcement of HDPE composites: Mechanical properties and water absorption kinetics. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1209-1218.	2.7	7
20	Thermal degradation of coir fiber reinforced low-density polyethylene composites. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 363-372.	1.4	10
21	Hybridization effect of coir fiber on physico-mechanical properties of polyethylene-banana/coir fiber hybrid composites. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 133-141.	1.4	21
22	Effect of alkali treatment on hair fiber as reinforcement of HDPE composites: mechanical properties and water absorption behavior. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 571-578.	1.4	4
23	Effect of chemical treatment on thermal properties of hair fiber-based reinforcement of HF/HDPE composites. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 807-815.	1.4	2
24	Mathematical modelling of water absorption behavior of bagasse fiber reinforced epoxy composite material. <i>Materials Today: Proceedings</i> , 2018, 5, 16912-16918.	1.8	12
25	The Influence of Chemical Treatment on the Mechanical Behaviour of hair Fibre-Reinforced Composites. <i>Materials Today: Proceedings</i> , 2018, 5, 22922-22930.	1.8	9
26	Effect of chemical treatment on thermal properties of bagasse fiber-reinforced epoxy composite. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 237-243.	1.4	11
27	Effect of alkali treatment on the thermal properties of wheat straw fiber reinforced epoxy composites. <i>Journal of Composite Materials</i> , 2017, 51, 323-331.	2.4	22
28	Study the effect of fiber loading and alkali treatment on the mechanical and water absorption properties of wheat straw fiber-reinforced epoxy composites. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 731-738.	1.4	25
29	Selective Hydrogenolysis of Glycerol to 1,2-Propanediol over Highly Active and Stable Cu/MgO Catalyst in the Vapor Phase. <i>Organic Process Research and Development</i> , 2016, 20, 1059-1067.	2.7	42
30	Vapor phase hydrogenolysis of glycerol to 1,2-propanediol over γ -Al ₂ O ₃ supported copper or nickel monometallic and copper-nickel bimetallic catalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 61, 90-96.	5.3	25
31	Banana fiber reinforced low-density polyethylene composites: effect of chemical treatment and compatibilizer addition. <i>Iranian Polymer Journal (English Edition)</i> , 2016, 25, 229-241.	2.4	79
32	Adsorptive Removal of Hg(II) from Synthetic and Real Aqueous Solutions Using Modified Papaya Seed. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1613-1622.	2.4	9
33	Effect of chemical treatment on the mechanical and water absorption properties of bagasse fiber-reinforced epoxy composites. <i>Journal of Polymer Engineering</i> , 2015, 35, 545-550.	1.4	34
34	Physico-mechanical properties of coir fiber/LDPE composites: Effect of chemical treatment and compatibilizer. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 2534-2541.	2.7	19
35	Effect of fiber loading on flexural strength of hybrid sisal/hemp-HDPE composites. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
36	Chromium(VI) removal from aqueous solution and industrial wastewater by modified date palm trunk. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 452-460.	2.3	15

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37	Risk and reliability assessment in chemical process industries using Bayesian methods. <i>Reviews in Chemical Engineering</i> , 2014, 30, .	4.4	12
38	Chemical carbonization of papaya seed originated charcoals for sorption of Pb(II) from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 9-19.	6.7	59
39	Conversion of Glycerol into Value-Added Products Over Cu-Ni Catalyst Supported on γ -Al ₂ O ₃ and Activated Carbon. <i>International Journal of Chemical Reactor Engineering</i> , 2014, 12, 151-162.	1.1	11
40	Oxidation of styrene over polymer- and nonpolymer-anchored Cu(II) and Mn(II) complex catalysts. <i>Journal of Applied Polymer Science</i> , 2013, 127, 3424-3434.	2.6	8
41	Adsorption study of lead(II) onto xanthated date palm trunk: kinetics, isotherm and mechanism. <i>Desalination and Water Treatment</i> , 2013, 51, 6798-6807.	1.0	21
42	Synthesis and catalytic activity of polymer-anchored metal complex for oxidation of cyclohexane. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2127-2135.	2.6	7
43	Wood flour-reinforced plastic composites: a review. <i>Reviews in Chemical Engineering</i> , 2011, 27, .	4.4	67
44	Rice husk as reinforcing filler in polypropylene composites. <i>Reviews in Chemical Engineering</i> , 2010, 26, .	4.4	9
45	Oxidation of Cyclohexane with Molecular Oxygen Catalyzed by SiO ₂ Supported Palladium Catalysts. <i>Catalysis Letters</i> , 2008, 125, 139-144.	2.6	18
46	Investigation of the Electrocoagulation Treatment of Cotton Blue Dye Solution using Aluminium Electrodes. <i>Clean - Soil, Air, Water</i> , 2008, 36, 863-869.	1.1	53