

Dipak V Pinjari, Mnasc

List of Publications by Year in descending order

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43
papers

3,025
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304743

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276875

41
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docs citations

43
times ranked

3717
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review on textile wastewater treatments: Possible approaches. <i>Journal of Environmental Management</i> , 2016, 182, 351-366.	7.8	1,364
2	A critical review of manufacturing processes used in regenerated cellulosic fibres: viscose, cellulose acetate, cuprammonium, LiCl/DMAc, ionic liquids, and NMMO based lyocell. <i>Cellulose</i> , 2019, 26, 2913-2940.	4.9	196
3	Degradation of reactive orange 4 dye using hydrodynamic cavitation based hybrid techniques. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1075-1082.	8.2	138
4	Solvent assisted extraction of oil from <i>Moringa oleifera</i> Lam. seeds. <i>Industrial Crops and Products</i> , 2016, 82, 74-80.	5.2	113
5	Ultrasound and deep eutectic solvent (DES): A novel blend of techniques for rapid and energy efficient synthesis of oxazoles. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 287-293.	8.2	106
6	Ultrasound Assisted Miniemulsion Polymerization for Preparation of Polypyrrole-Zinc Oxide (PPy/ZnO) Functional Latex for Liquefied Petroleum Gas Sensing. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 7704-7712.	3.7	92
7	Kinetics of biological decolorisation of anthraquinone based Reactive Blue 19 using an isolated strain of <i>Enterobacter</i> sp.F NCIM 5545. <i>Bioresource Technology</i> , 2014, 173, 342-351.	9.6	76
8	Treatment of the pesticide industry effluent using hydrodynamic cavitation and its combination with process intensifying additives (H ₂ O ₂ and ozone). <i>Chemical Engineering Journal</i> , 2016, 295, 326-335.	12.7	76
9	Intensification of degradation of methomyl (carbamate group pesticide) by using the combination of ultrasonic cavitation and process intensifying additives. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 135-142.	8.2	65
10	Intensification of degradation of imidacloprid in aqueous solutions by combination of hydrodynamic cavitation with various advanced oxidation processes (AOPs). <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 850-857.	6.7	63
11	Valorization of keratin based waste. <i>Chemical Engineering Research and Design</i> , 2018, 115, 85-98.	5.6	58
12	Cellulose-based nanomaterials for water and wastewater treatments: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106626.	6.7	57
13	Cavitationally Driven Transformations: A Technique of Process Intensification. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 5797-5819.	3.7	53
14	Hydrodynamic cavitation as an imperative technology for the treatment of petroleum refinery effluent. <i>Journal of Water Process Engineering</i> , 2019, 29, 100768.	5.6	50
15	Acoustic Cavitation as a Novel Approach for Extraction of Oil from Waste Date Seeds. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4256-4263.	6.7	47
16	Acoustic Cavitation Assisted Alkaline Hydrolysis of Wool Based Keratins To Produce Organic Amendment Fertilizers. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 2789-2796.	6.7	44
17	Anticorrosive performance of super-hydrophobic imidazole encapsulated hollow zinc phosphate nanoparticles on mild steel. <i>Progress in Organic Coatings</i> , 2018, 114, 33-39.	3.9	39
18	One pot green synthesis of nano sized zinc oxide by sonochemical method. <i>Materials Letters</i> , 2012, 77, 93-95.	2.6	37

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19	Biodegradation of reactive blue 19 with simultaneous electricity generation by the newly isolated electrogenic <i>Klebsiella</i> sp. C NCIM 5546 bacterium in a microbial fuel cell. <i>International Biodeterioration and Biodegradation</i> , 2018, 133, 194-201.	3.9	37
20	Structural characterization of cellulose pulp in aqueous NMMO solution under the process conditions of lyocell slurry. <i>Carbohydrate Polymers</i> , 2019, 206, 220-228.	10.2	33
21	Advanced Oxidation Technologies for Wastewater Treatment. , 2014, , 141-191.		32
22	Effect of ultrasound treatment on swelling behavior of cellulose in aqueous N-methyl-morpholine-N-oxide solution. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 161-168.	8.2	32
23	Surfactant assisted sonochemical synthesis of hollow structured zinc phosphate nanoparticles and their application as nanocarrier. <i>Chemical Engineering Journal</i> , 2016, 297, 116-120.	12.7	28
24	Green approach for the synthesis of chalcone (3-(4-fluorophenyl)-1-(4-methoxyphenyl) prop-2-en-1-one) using concentrated solar radiation. <i>Solar Energy</i> , 2017, 147, 232-239.	6.1	22
25	Application of Silicone Surfactant Along with Hydrocarbon Surfactants to Textile Washing for the Removal of Different Complex Stains. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 287-295.	2.1	16
26	Energy efficient room temperature synthesis of cardanol-based novolac resin using acoustic cavitation. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 532-540.	8.2	15
27	Concentrated solar radiation aided green approach towards the synthesis of Fe ₃ O ₄ nanoparticles by photochemical oxidation of FeCl ₂ . <i>Solar Energy</i> , 2018, 171, 769-773.	6.1	15
28	Concentrated solar radiation aided energy efficient protocol for oxidation of alcohol using biodegradable task specific ionic liquid-choline peroxydisulfate. <i>Solar Energy</i> , 2016, 139, 328-336.	6.1	14
29	Influence of intensified cellulose dissolution process on spinning and properties of lyocell fibres. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 155, 108063.	3.6	14
30	Acoustic and hydrodynamic cavitation assisted hydrolysis and valorisation of waste human hair for the enrichment of amino acids. <i>Ultrasonics Sonochemistry</i> , 2021, 71, 105368.	8.2	14
31	Ultrasound-assisted intensification of bio-catalyzed synthesis of mono-N-alkyl aromatic amines. <i>Biochemical Engineering Journal</i> , 2013, 70, 29-34.	3.6	11
32	Review on Silicone Surfactants: Silicone-based Gemini Surfactants, Physicochemical Properties and Applications. <i>Tenside, Surfactants, Detergents</i> , 2019, 56, 268-278.	1.2	10
33	An Energy Efficient Sonochemical Selective Oxidation of Benzyl Alcohols to Benzaldehydes by Using Bio-TSIL Choline Peroxydisulfate. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4797-4802.	3.7	9
34	Development of Nanoemulsion of Silicone Oil and Pine Oil Using Binary Surfactant System for Textile Finishing. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1061-1073.	2.1	9
35	Intrinsic Kinetics of Three-Phase Slurry Hydrogenation of <i>o</i> -Nitrocardanol to <i>o</i> -Aminocardanol over Raney Nickel Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11034-11041.	3.7	9
36	Intensification of lyocell dissolution process and dope characteristics using pre-swelled cellulosic pulp. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 148, 107826.	3.6	9

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37	Comparative study of ultrasound pretreatment method with conventional hydrodistillation method for extraction of essential oil from <i>Piper betle</i> L. (Paan). Indian Chemical Engineer, 2022, 64, 132-140.	1.5	7
38	Sonochemical enzymatic esterification of oleic acid and tri-ethanolamine for a fabric softener in textile application. Chemical Engineering and Processing: Process Intensification, 2019, 137, 128-136.	3.6	5
39	Kinetic Modelling of Hydrogenation of Cardanol over Pd/C Catalyst. Indian Chemical Engineer, 2018, 60, 88-103.	1.5	4
40	Swelling kinetic study with mathematical modeling of cellulose pulp in aqueous N-methyl-morpholine-N-oxide solution. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 101-115.	1.7	3
41	Extraction and microencapsulation of Buchanania lanzan Spreng seed oil. Chemical Papers, 2022, 76, 3521-3530.	2.2	2
42	Effect of concentrated solar radiation on the morphology of the silver nanoparticles and its antibacterial activity. Indian Chemical Engineer, 2019, 61, 374-386.	1.5	1
43	Energy efficient extraction of oil from waste custard apple seed (CAS) with the aid of acoustic cavitation. Chemical Papers, 2022, 76, 57-64.	2.2	0