

PUBLISHED (2019)

Sr. No	Authors	Title of Paper	Journal Name	Volume	Year	Starting Page	End Page	Impact Factor	Month
1.	Arshdeep Kaur, D. Gangacharyulu and Pramod K. Bajpai	Kinetic studies of hydrolysis reaction of NaBH ₄ with γ -Al ₂ O ₃ nanoparticles as catalyst promoter and CoCl ₂ as catalyst	Brazilian Journal of Chemical Engineering	36	2019	929	939	1.043	6
2.	Kulwinder Singh, J. S. Saini H. Bhunia	Accelerated weathering of bolted joints prepared from woven glass fiber reinforced nanocomposites	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications,	233 (10)	2019	2108	2125	1.568	2
3.	S K Toor, J P Kushwaha, V K Sangal	Adsorptive Interaction of 4-Aminobiphenyl with Mesoporous MCM-41	<i>Physics and Chemistry of Liquids</i>	57/6	2019	720	732	1.526	11
4.	Aanchal; Sanghamitra Barman; Soumen Basu	Adsorptive Removal of Fipronil from its Aqueous Solution by Modified Zeolite HZSM-5: Equilibrium, Kinetic and Thermodynamic Study.	Journal of Molecular Liquids	283	2019	867	878	4.51	1
5.	B Sharma, Neetu Singh, J P Kushwaha,	Ammonium-Based Deep Eutectic Solvent as Entrainer for Separation of Acetonitrile–Water Mixture by Extractive Distillation	Journal of Molecular Liquids	285	2019	185	193	4.561	4
6.	Ravneet Kaur, J P Kushwaha, Neetu Singh	Amoxicillin electro-catalytic oxidation using Ti/RuO ₂ anode: Mechanism, oxidation products and degradation pathway	<i>Electrochimica Acta</i>	296	2019	856	866	5.383	2
7.	Kamaljit Sokhal, Gangacharyulu Dasaraju and Vijaya Kumar Bulasara	An experimental investigation of biopolymer (guar gum) on the flow patterns and drag reduction percentage for two phase (water-oil mixture) flow	Experimental Thermal and Fluid Science	102	2019	342	350	3.204	4
8.	S K Toor, J P Kushwaha, V K Sangal	Aromatic amines equilibrium sorptive interaction with synthesized silica based mesoporous MCM-41: Physico-chemical evaluation and isotherm modeling	<i>Journal of Environmental Science and Health, Part A</i>	54	2019	286	294	1.536	1
9.	Sunil Sable, Dev Kumar Mandal, Sanjeev Ahuja, Haripada Bhunia	Biodegradation kinetic modeling of oxo-biodegradable polypropylene/poly lactide/nanoclay blends and	Journal of Environmental Management	249	2019	109186		4.856	11

		composites under controlled composting conditions							
10.	Balpreet Kaur, Raj Kumar Gupta, Haripada Bhunia	Chemically activated nanoporous carbon adsorbents from waste plastic for CO ₂ capture: Breakthrough adsorption study	Microporous and Mesoporous Materials	282	2019	146	158	3.649	7
11.	Jasminder Singh, Haripada Bhunia, Soumen Basu	CO ₂ capture by modified porous carbon adsorbents: Effect of various activating agents	Journal of the Taiwan Institute of Chemical Engineers	102	2019	438	447	3.849	9
12.	Sudhir K. Singh and Anjali Mehta	Corresponding state behaviour of capillary condensation of confined alkanes	Molecular Simulation	45	2019	1014	1028	1.782	6
13.	Sudhir K. Singh	Critical temperature estimation of nanoconfined methane using vapour-liquid surface free energy	International Journal of Latest Trends in Engineering and Technology	14	2019	011	015	0.685	7
14.	P Kumari, J P Kushwaha, V K Sangal, N Singh	Dairy wastewater treatment in continuous stirred tank Electrochemical reactor (CSTER): parametric optimization and kinetics	<i>Environmental Engineering and Management Journal</i>	18/6	2019	1219	1230	1.186	6
15.	Jyoti Sharma, Sanjeev Ahuja, Raj Kumar Arya	Depth Profile Study of Poly(styrene) – Poly(methyl methacrylate) – Tetrahydrofuran Coatings Journal: Progress in Organic Coatings	Progress in Organic Coatings	134	2019	297	302	3.420	09
16.	Jyoti Sharma, Raj Kumar Arya, Sanjeev Ahuja	Drying induced phase separation in poly(styrene)-poly(ethylene glycol)-chlorobenzene system	Journal of Porous Materials	26	2019	1043	1057	1.947	08
17.	Jasminder Singh, Haripada Bhunia, Soumen Basu	Dynamic CO ₂ adsorption on activated carbon adsorbents synthesized from polyacrylonitrile (PAN): Kinetic and isotherm studies	Microporous and Mesoporous Materials	280	2019	357	366	3.649	5
18.	Jyoti Sharma, Sanjeev Ahuja, Raj Kumar Arya	Effect of molecular weight on morphology and thermal properties of poly(styrene)-poly(methyl methacrylate)-ethylbenzene coatings	Progress in Organic Coatings	132	2019	468	474	3.420	07
19.	Jyoti Sharma, Sanjeev Ahuja, Raj Kumar Arya	Effect of molecular weight on residual solvent and other parameters in polymer-polymer-Solvent coatings: Poly(Styrene)-Poly(Methyl methacrylate)-Ethylbenzene system	Progress in Organic Coatings	134	2019	119	125	3.420	09

20.	Ravneet Kaur, J P Kushwaha, Neetu Singh	Electro-catalytic Oxidation of Ofloxacin Antibiotic in Continuous Reactor: Evaluation, Transformation P and Pathway	<i>Journal of The Electrochemical Society</i>	166(6)	2019	H250	H261	3.12	1
21.	R Kaur, J P Kushwaha, N Singh	Electro-Oxidation of Amoxicillin Trihydrate in Continuous Reactor by Ti/RuO ₂ Anode	Science of the Total Environment	677	2019	84	97	5.589	4
22.	Soumya Banerjee; S., Sanghamitra Barman; Gopinath Halder	Elucidation of preferential elimination of Cr(VI) via bioinspired adsorbents: A comparative assessment,	Environmental Earth Sciences.	78(121)	2019	1	22	1.87	2
23.	S Mahajan, N Singh, J P Kushwaha, A Rajor	Evaluation and Mechanism of Cationic/Anionic Dyes Extraction from Water by Ionic Liquids	<i>Chemical Engineering Communications</i>	206/6	2019	697	707	1.431	6
24.	Tarun Jain, H Sharma, Neetu Singh, J P Kushwaha	Evaluation of the 2,2',2''-Nitrilotrisethanol as Entrainer for Separation of Isopropanol + Water Mixture	<i>Journal of Chemical and Engineering Data</i>	64/1	2019	107	114	2.298	1
25.	Jyoti Sharma, Sanjeev Ahuja, Raj Kumar Arya	Experimental designing of polymer-polymer-solvent coatings: Poly(styrene)-poly(ethylene glycol)-chlorobenzene coatings	Progress in Organic Coatings	128	2019	181	195	3.420	03
26.	Kamaljit Sokhal, Gangacharyulu Dasaraju and Vijaya Kumar Bulasara	Formation, stability and comparison of water/oil emulsion using gum arabic and guar gum and effect of aging of polymers on drag reduction percentage in water/oil flow	Vacuum	159	2019	247	253	2.067	1
27.	Kulwinder Singh, J. S. Saini, H. Bhunia and S. R. Chowdhury	Hygrothermal effects on mechanical joints prepared from fiber reinforced plastic nanocomposites	Journal of Composite Materials	53	2019	3875	3891	1.755	5
28.	Soumya Banerjee; Biswanath Kamila; Sanghamitra Barman; Tamal Mondol; Gopinath Halder	Interlining Cr (VI) remediation mechanism by a novel bacterium Pseudomonas brenneri isolated from coalmine wastewater	Journal of Environmental Management	233	2019	271	282	1	Jan
29.	Kulwinder Singh, J. S. Saini H. Bhunia	Investigations to increase the failure load for joints in glass epoxy composites	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	233 (6)	2019	2090	2090	0.996	6
30.	Nanda, Tarun; Sharma, Gaurav ; Mehta, Rajeev; Shelly, Daksh; Singh, Karanbir	Mechanisms for enhanced impact strength of epoxy based nanocomposites reinforced with silicate platelets	Material Research Express	6	2019	065061		1.449	3

31.	Ishita Sharma, Jyoti Sharma, Sanjeev Ahuja, Raj Kumar Arya	Optimization of sodium dodecylsulphate loading in poly(vinylalcohol) water coatings	Progress in Organic Coatings	127	2019	401	407	3.420	02
32.	Aparna Mukherjee; Sanghamitra Barman; Gopinath Halder	Optimizing acrylonitrile grafting onto delignified rice straw via response surface methodology towards its flame retardancy and durability intensification.	Journal of Environmental Chemical Engineering,	7	2019	102923		Scopus	1
33.	P Kaur, V K Sangal, J P Kushwaha	Parametric study of Electro-Fenton treatment for real textile wastewater, disposal study and its cost analysis	<i>International Journal of Environmental Science and Technology</i>	16	2019	801	810	2.031	2
34.	Neetu Singh, J P Kushwaha	Performance of Different Inert Gases in Production of Fuel Grade Ethanol by Diffusion Distillation	<i>Theoretical Foundations of Chemical Engineering</i>	53 (1)	2019	132	138	0.52	1
35.	Balpreet Kaur, Jasmininder Singh, Raj Kumar Gupta, Haripada Bhunia	Porous carbons derived from polyethylene terephthalate (PET) waste for CO ₂ capture studies	Journal of Environmental Management	242	2019	68	80	4.005	7
36.	Anubhav Prashar, Jyoti Sharma, Sanjeev Ahuja, Avinash Chandra, Raj Kumar Arya	Quaternary polymeric coating as an alternative to minimize the use of costly or toxic solvents: Poly(styrene)-ethylbenzene-toluene-p-xylene system	Progress in Organic Coatings	127	2019	319	329	3.420	02
37.	Anubhav Prashar, Ishita Sharma, Jyoti Sharma, Sanjeev Ahuja, Avinash Chandra, Raj Kumar Arya	Quaternary polymeric coatings as alternative to minimize the use of single solvent: Poly(methyl methacrylate)-ethylbenzene-toluene-acetone system	Progress in Organic Coatings	132	2019	343	352	3.420	07
38.	Arghya Datta, Raj Kumar Gupta, Sunil Goswam, Vijay Kumar Sharma, Haripada Bhunia, Damandeep Singh, Harish Jagat Pant	Residence time distribution measurement in an ethyl acetate reactor using radiotracer technique	Journal of Radioanalytical and Nuclear Chemistry	320	2019	711	723	1.181	4
39.	Mansi Singh, Sanjeev K Verma, Ipsita Biswas, Rajeev Mehta,	Rheology of Fumed Silica and Polyethylene Glycol Shear Thickening Suspension with Nanoclay as an Additive	Defence Science Journal	69(4)	2019	402	408	0.589	3
40.	Damandeep Singh, Raj Kumar Gupta, Vineet Kumar	Simulation studies on homogenously catalyzed finishing reactive distillation for ethyl acetate production	Chemical Engineering Communications	207	2019	109	122	1.433	2

41.	S K Toor, J P Kushwaha, V K Sangal	Single and binary adsorption of Zn (II) and Cr (VI) heavy metals onto synthesized Silica based MCM-41	<i>Chemistry Select</i>	4/9	2019	2576	2584	1.716	3
42.	Jasminder Singh, Haripada Bhunia, Soumen Basu	Synthesis of sulphur enriched carbon monoliths for dynamic CO ₂ capture	Chemical Engineering Journal	374	2019	1	9	6.735	10
43.	Deepak Tiwari, Haripada Bhunia and Pramod K Bajpai	Synthesis, characterization, adsorption and thermodynamic studies of pure and binary CO ₂ -N ₂ mixtures on oxygen enriched nanostructured carbon adsorbents	Brazilian Journal of Chemical Engineering	36(3)	2019	1319	1332	1.5	6
44.	Nitin Goyal; Sanghamitra Barman; V.K. Bulasara	Tailoring of nanozeolite NaX for enhanced removal of a phytoestrogen from its aqueous solutions, (2019)	Separation Science and Technology,	54(2)	2019	224	232	1.2	1
45.	Madhav Raturi, Bikramjit Singh, Daksh Shelly, Karanbir Singh, Tarun Nanda and Rajeev Mehta	Tensile behaviour and characterization of epoxy-clay-poly (ethylene terephthalate) nanocomposites	Material Research Express	6	2019	115014		1.449	9
46.	Dev K. Mandal, Haripada Bhunia and Pramod K. Bajpai,	Thermal degradation kinetics of oxo-degradable PP/PLA blends	Journal of Polymer Engineering	39 (1),	2019	58	67	0.778	7
47.	Dev K. Mandal, Haripada Bhunia and Pramod K. Bajpai,	Thermal degradation kinetics of PP/PLA nanocomposite blends	Journal of Thermoplastic Composite Materials	32 (12)	2019	1714	1730	1.343	10