

Publications: List from 2012 till May 14, 2018
Department of Chemical Engineering
List of SCI Publications

Sr. No	Authors	Title of Paper	Journal Name	Volume	Year	Starting Page	End Page	Impact Factor	Month
1.	Chitrakshi Goel Harleen Kaur Haripada Bhunia Pramod K. Bajpai	Carbon dioxide adsorption on nitrogen enriched carbon adsorbents: Experimental, kinetics, isothermal and thermodynamic studies	Journal of CO2 Utilization	16	2016	50	63	3.091	12
2.	H. Kaur V.K. Bulasara R.K. Gupta	Effect of carbonates composition on the permeation characteristics of low-cost ceramic membrane supports	Journal of Industrial and Engineering Chemistry	44	2016	185	194	4.179	12
3.	Nitin Goyal S. Barman V.K. Bulasara	Quaternary ammonium salt assisted removal of genistein and bisphenol S from aqueous solution by nanozeolite NaY: Equilibrium, kinetic and thermodynamic studies	Journal of Molecular Liquids	224	2016	1154	1162	2.740	12
4.	R. Saxena D. Gangacharyulu V.K. Bulasara	Heat Transfer and Pressure Drop Characteristics of Dilute Alumina–Water Nanofluids in a Pipe at Different Power Inputs	Heat Transfer Engineering	37	2016	1554	1565	1.016	12
5.	Ruchika Thakur Sanghmitra Barman Raj Kumar Gupta	Synthesis of cumene by transalkylation over cerium modified beta zeolite: A kinetic study	Brazilian Journal Of Chemical Engineering	33	2016	957	967	1.167	12
6.	Arvind K. Kaushalv Madhup Mittal Dasaroju Gangacharyulu	Development and experimental study of an improved basin type vertical single distillation cell solar still	Desalination	398	2016	121	132	3.756	11

7.	Deepak Tiwari H. Bhunia P.K. Bajpai	Urea-formaldehyde derived porous carbons for adsorption of CO ₂	RSC Advances	6	2016	111842	111855	3.840	11
8.	Gaurav Madhu, Dev K. Mandal, H. Bhunia, Pramod K. Bajpai	Thermal degradation kinetics and lifetime of HDPE/PLLA/pro-oxidant blends	Journal of Polymer Engineering	36	2016	917	933	0.631	11
9.	Gaurav Madhu, H. Bhunia, Pramod K. Bajpai	Thermal degradation kinetics and lifetime of HDPE/PLLA blends	Journal of Thermoplastic Composite Materials	36	2016	917	931	1.250	11
10.	Mohit Garg Shruti Sharma Rajeev Mehta	Processing of functionalized and pristine carbon nanotube epoxy composites with silane treated glass fiber	Materials And Manufacturing Processes	31	2016	2044	2056	1.058	11
11.	Deepak Tiwari C. Goel H. Bhunia P.K. Bajpai	Novel nanostructured carbons derived from epoxy resin and their adsorption characteristics for CO ₂ capture	RSC Advances	6	2016	97728	97738	3.840	10
12.	Nitin Goyal V. K. Bulasara Sanghamitra Barman	Surface modification of synthesized Nano zeolite NaX with TEAOH for removal of Bisphenol A	Chemical Engineering Communications	203	2016	1374	1384	1.433	10
13.	A Datta D Datta Avinash Chandra	Separation and recovery of copper from aqueous solutions using tri-n-butyl phosphate in benzene	Journal of Molecular Liquids	221	2016	139	148	2.74	09
14.	Bikramjit Sharma Rahul Chhibber Rajeev Mehta	Effect of surface treatment of nanoclay on the mechanical properties of epoxy/glass fiber/clay nanocomposites	Composites Interfaces	23	2016	623	640	0.678	09

15.	Mohit Garg Shruti Sharma Rajeev Mehta	Carbon nanotube-reinforced glass fiber epoxy composite laminates exposed to hygrothermal conditioning	Journal of Materials Science	51	2016	8562	8578	2.371	09
16.	N. Goyal S. Barman V.K. Bulasara	Adsorptive removal of Biochanin A, an endocrine disrupting compound from its aqueous solution by synthesized zeolite NaA	Desalination and Water Treatment	57	2016	20608	20618	1.272	09
17.	Ruchika Thakur Sanghamitra Barman	A comparative study on catalytic performance of modified nanocrystalline and microcrystalline zeolite X for synthesis of cumene by transalkylation of 1,4 DIPB with benzene:A kinetic study	Kinetics and catalysis	57	2016	592	601	0.632	09
18.	Alok Garg Vikas K Sangal Pramod K Bajpai	Decolorization and degradation of Reactive Black 5 dye by photocatalysis: modeling, optimization and kinetic study	Desalination and Water Treatment	57	2016	18003	18015	1.272	08
19.	Deepak Bhandari Rahul Chhibber Navneet Arora Rajeev Mehta	Investigation of TiO ₂ -SiO ₂ -CaO-CaF ₂ based electrode coatings on weld metal chemistry and mechanical behaviour of bimetallic welds	Journal of Manufacturing Processes	23	2016	61	74	1.771	08
20.	H. Kaur V.K. Bulasara Raj Kumar Gupta	Preparation of kaolin-based low-cost porous ceramic supports using different amounts of carbonates	Desalination and Water Treatment	57	2016	15154	15163	1.272	07
21.	Dev K. Mandal Haripada Bhunia Pramod K. Bajpai C. V. Chaudhari K. A. Dubey L. Varshney	Radiation-induced grafting of acrylic acid onto polypropylene film and its biodegradability	Radiation Physics and Chemistry	13	2016	37	45	1.326	06
22.	Dev K. Mandal HaripadaBhunia Pramod K. Bajpai C.V. Chaudhari	Radiation-induced grafting of acrylic acid onto polypropylene film and its biodegradability	Radiation Physics and Chemistry	123	2016	37	45	1.38	06

	K.A. Dubey L. Varshney								
23.	Raj Kumar Arya KshitijTewari SakshiShukla	Non-Fickian Drying of Binary Polymeric Coatings: Depth Profiling Study Using Confocal Raman Spectroscopy	Progress In Organic Coatings	95	2016	8	19	2.302	06
24.	Meenakshi Sheoran Sunil Goswami Harish J. Pant Jayashree Biswal Vijay K. Sharma Avinash Chandra Haripada Bhunia Pramod K. Bajpai Madhukar Rao	Measurement of residence time distribution of liquid phase in an industrial-scale continuous pulp digester using radiotracer technique	Applied Radiation and Isotopes	111	2016	10	17	1.231	05
25.	Meenakshi Sheoran Sunil Goswami Harish J. Pant Jayashree Biswal Vijay K. Sharma Avinash Chandra Haripada Bhunia Pramod Kumar Bajpai S Madhukar Rao A Dash	Measurement of residence time distribution of liquid phase in an industrial scale continuous pulp digester using radiotracer technique	Applied Radiation and Isotopes	111	2016	10	17	1.096	05
26.	ShilpaNarang Rajeev Mehta DusanBerek S.N. Upadhyay	Effect of electron density on the catalysts for copolymerization of propylene oxide and CO2	Journal of Polymer Research	23	2016	1	8	1.92	05
27.	ShilpaNarang Rajeev Mehta DusanBerek S.N. Upadhyay	Copolymerization of Propylene Oxide and CO2 Using Achiral Salophen Co(III) Penta- florobenzoate as Catalyst and tetrabutyl ammonium bromide as Co- catalyst	Journal of Macromolecular Science: Pure and Applied Chemistry	53	2016	297	300	0.809	05

28.	M. Singh J.S. Saini HaripadaBhunia	Investigation on failure modes for pin joints made from unidirectional glass–epoxy nanoclay laminates	Fatigue And Fracture Of Engineering Material & Structure	39	2016	320	334	1.367	03
29.	ManpreetKaur Surinder Singh Rajeev Mehta	Physico-Chemical Modification Induced in PLGA/OMMT Nanocomposite films by Li ³⁺ Ion Beam	Vacuum	125	2016	170	179	1.469	03
30.	Ruchika Thakur R.K.Gupta Sanghamitra Barman	Optimization of process parameters for transalkylation of toluene to xylene using response surface methodology	Particulate science and Technology	34	2016	332	340	0.79	03
31.	ShilpaNarang Eva Macova DušanBerek S.N.Upadhyay Rajeev Mehta	Synthesis of Poly(propylene carbonate) from Highly Active, Inexpensive Achiral SalphCo(III)X as Initiator and Bis(Triphenyl Phosphine) Iminium as Co-initiator	Journal of Applied Polymer Science	133	2016	43099	43105	1.64	03
32.	Sudhir K Singh	Effect of surface-screening parameter of the Yukawa potential model on vapour–liquid phase coexistence and critical-point properties of confined Yukawa fluid	Molecular Simulation	42	2016	413	419	1.119	03
33.	ArshdeepKaur D Gangacharyulu P. K. Bajpai	Kinetic studies on NaBH ₄ /H ₂ O hydrogen storage system with CoCl ₂ as catalyst	Journal Of Bulgarian Chemical Communications	48	2016	290	296	0.261	01
34.	GauravMadhu HaripadaBhunia Pramod K. Bajpai Golok B. Nando	Physico-Mechanical Properties and Biodegradation of Oxo-degradable HDPE/PLA Blends	Polymer Science	58	2016	57	76	0.633	01