Dipaloy Datta

List of Publications by Citations

61 papers	756 citations	16 h-index	23 g-index
64 ext. papers	892 ext. citations	3.2 avg, IF	4.83 L-index

#	Paper	IF	Citations
61	Status of the Reactive Extraction as a Method of Separation. *Journal of Chemistry*, **2015**, 2015, 1-16	2.3	57
60	Reactive Extraction of Glycolic Acid Using Tri-n-Butyl Phosphate and Tri-n-Octylamine in Six Different Diluents: Experimental Data and Theoretical Predictions. *Industrial & Engineering Chemistry Research*, **2011**, 50, 3041-3048	3.9	44
59	Adsorption of Bisphenol-A from aqueous solution using amberlite XAD-7 impregnated with aliquat 336: Batch, column, and design studies. *Chemical Engineering Research and Design*, **2019**, 122, 232-246	5.5	30
58	Estimation of equilibrium parameters using differential evolution in reactive extraction of propionic acid by tri-n-butyl phosphate. *Chemical Engineering and Processing: Process Intensification*, **2011**, 50, 614-622	3.7	28
57	Adsorption Study for the Separation of Isonicotinic Acid from Aqueous Solution Using Activated Carbon/Fe3O4 Composites. *Journal of Chemical & Engineering Data*, **2018**, 63, 436-445	2.8	27
56	Equilibrium Study on the Extraction of Levulinic Acid from Aqueous Solution with Aliquat 336 Dissolved in Different Diluents: Solvent Polarity Effect and Column Design. *Journal of Chemical & Engineering Data*, **2017**, 62, 3-10	2.8	27
55	Adsorptive removal of malachite green and Rhodamine B dyes on Fe3O4/activated carbon composite. *Journal of Dispersion Science and Technology*, **2017**, 38, 1556-1562	1.5	27
54	Reactive Extraction of Benzoic Acid and Pyridine-3-Carboxylic Acid Using Organophosphoric and Aminic Extractant Dissolved in Binary Diluent Mixtures. *Journal of Chemical & Engineering Data*, **2011**, 56, 3367-3375	2.8	25
53	Experimental Data and Theoretical (Chemodel Using the Differential Evolution Approach and Linear Solvation Energy Relationship Model) Predictions on Reactive Extraction of Monocarboxylic Acids Using Tri-n-octylamine *Journal of Chemical & Engineering Data*, **2010**, 55, 4290-4300	2.8	24
52	Adsorptive Separation of Cu2+from an Aqueous Solution Using Trioctylamine Supported Montmorillonite. *Journal of Chemical & Engineering Data*, **2015**, 60, 3193-3200	2.8	23
51	Adsorption of isonicotinic acid from aqueous solution using multi-walled carbon nanotubes/Fe3O4. *Journal of Molecular Liquids*, **2019**, 276, 163-169	6	22
50	Extraction of levulinic acid using tri- n -butyl phosphate and tri- n -octylamine in 1-octanol: Column design. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 66, 407-413	5.3	20
49	Equilibrium and Kinetic Studies of the Reactive Extraction of Nicotinic Acid with Tri-n-octylamine Dissolved in MIBK. *Industrial & Engineering Chemistry Research*, **2013**, 52, 14680-14686	3.9	20
48	Experimental and Theoretical Investigations on the Reactive Extraction of Itaconic (2-Methylidenebutanedioic) Acid Using Trioctylamine (N,N-Dioctyloctan-1-amine). *Journal of Chemical & Engineering Data*, **2015**, 60, 1426-1433	2.8	19
47	Separation of chromium (VI) from its liquid solution using new montmorillonite supported with amine based solvent. *Journal of Molecular Liquids*, **2016**, 215, 449-453	6	19
46	MODELING USING RESPONSE SURFACE METHODOLOGY AND OPTIMIZATION USING DIFFERENTIAL EVOLUTION OF REACTIVE EXTRACTION OF GLYCOLIC ACID. *Chemical Engineering Communications*, **2015**, 202, 59-69	2.2	17
45	Adsorption of levulinic acid from aqueous solution by Amberlite XAD-4. *Journal of Molecular Liquids* , **2017**, 234, 330-334	6	15

44	Investigation of Extraction of 4-Oxopentanoic Acid by N,N-Dioctyloctan-1-amine in Six Different Diluents: Equilibrium Study. *Journal of Chemical & Engineering Data*, **2015**, 60, 1447-1453	2.8	15
43	Extraction Equilibria of Glycolic Acid Using Tertiary Amines: Experimental Data and Theoretical Predictions. *Journal of Chemical & Engineering Data*, **2015**, 60, 3262-3267	2.8	14
42	Separation and recovery of copper from aqueous solutions using tri-n-butyl phosphate in benzene. *Journal of Molecular Liquids*, **2016**, 221, 139-148	6	14
41	Reactive extraction of phenol from aqueous solution using tri-octylamine dissolved in alkanes and alcohols. *Journal of Molecular Liquids*, **2015**, 212, 430-435	6	14
40	INTENSIFICATION OF RECOVERY OF FORMIC ACID FROM AQUEOUS STREAM USING REACTIVE EXTRACTION WITH N, N-DIOCTYLOCTAN-1-AMINE: EFFECT OF DILUENT AND TEMPERATURE. *Chemical Engineering Communications*, **2013**, 200, 678-700	2.2	14
39	Adsorptive Separation of Lead (Pb2+) from Aqueous Solution Using Tri-n-octylamine Supported Montmorillonite. *Journal of Chemical & Engineering Data*, **2017**, 62, 370-375	2.8	12
38	Application of Amberlite XAD-7HP resin impregnated with Aliquat 336 for the removal of Reactive Blue - 13 dye: Batch and fixed-bed column studies. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103502	6.8	12
37	Reactive Extraction of Pyridine-2-carboxylic Acid (Picolinic Acid) Using Nontoxic Extractant and Diluent Systems. *Journal of Chemical & Engineering Data*, **2014**, 59, 1540-1548	2.8	12
36	Differential Evolution Approach for Reactive Extraction of Propionic Acid Using Tri-n-Butyl Phosphate (TBP) in Kerosene and 1-Decanol. *Materials and Manufacturing Processes*, **2011**, 26, 1222-1228	4.1	12
35	Reactive Extraction of Pyridine Carboxylic Acids with N, N-Dioctyloctan-1-Amine: Experimental and Theoretical Studies. *Separation Science and Technology*, **2013**, 48, 898-908	2.5	11
34	Intensification of Citric Acid Extraction by a Mixture of Trioctylamine and Tridodecylamine in Different Diluents. *Journal of Chemical & Engineering Data*, **2015**, 60, 960-965	2.8	10
33	Adsorption of Reactive Blue-13, an Acidic Dye, from Aqueous Solution Using Magnetized Activated Carbon. *Journal of Chemical & Engineering Data*, **2020**, 65, 2220-2229	2.8	10
32	Reactive Extraction of 2-Methylidenebutanedioic Acid with N,N-Dioctyloctan-1-amine Dissolved in Six Different Diluents: Experimental and Theoretical Equilibrium Studies at (298 □ 1) K. *Journal of Chemical & Engineering Data*, **2011**, 56, 2574-2582	2.8	10
31	Separation of copper ion (Cu2+) from aqueous solution using tri-n-butyl phosphate and di-2-ethylhexyl phosphoric acid as extractants. *Journal of Molecular Liquids*, **2018**, 258, 147-154	6	9
30	Extraction of Picric Acid from Wastewater by a Secondary Amine (Amberlite LA2) in Octan-1-ol: Equilibrium, Kinetics, Thermodynamics, and Molecular Dynamics Simulation. *Industrial & Engineering Chemistry Research*, **2016**, 55, 3659-3667	3.9	9
29	Intensification of picolinic acid extraction with tri- n -butylphosphate and tri- n -octylamine in three different diluents. *Chemical Engineering Research and Design*, **2015**, 95, 105-112	5.5	9
28	Competitive removal of malachite green and Rhodamine-B using Amberlite-XAD-4 impregnated with Aliquat 336: experimental and modelling studies. *Separation Science and Technology*, **2020**, 55, 537-553	2.5	9
27	Application of Magnetically Activated Carbon for the Separation of Nicotinic Acid from Aqueous Solution. *Journal of Chemical & Engineering Data*, **2017**, 62, 712-719	2.8	8

26	Removal of Bisphenol-A Using Amine-Modified Magnetic Multiwalled Carbon Nanotubes: Batch and Column Studies. *Journal of Chemical & Engineering Data*, **2019**, 64, 2877-2887	2.8	8
25	Amine functionalized and FeO incorporated activated carbon for bisphenol-A separation. *Water Science and Technology*, **2019**, 79, 1755-1765	2.2	8
24	Ultrasonically assisted adsorption of methyl orange dye using Aliquat-336 impregnated Amberlite XAD-4 in batch and recirculating flow vessel. *Chemical Engineering Research and Design*, **2019**, 152, 402-414	3.4	8
23	Investigation of Extraction of Phenol from Wastewater Using N,N-Didodecyl-1-dodecanamine (Tridodecylamine) in Benzene. *Journal of Chemical & Engineering Data*, **2014**, 59, 3858-3862	2.8	8
22	Equilibrium and Thermodynamic Studies on Reactive Extraction of Nicotinic Acid Using a Biocompatible Extraction System. *Journal of Chemical & Engineering Data*, **2017**, 62, 3431-3436	2.8	8
21	Comparative Study on Reactive Extraction of Picolinic Acid with Six Different Extractants (Phosphoric and Aminic) in Two Different Diluents (Benzene and Decan-1-ol). *Separation Science and Technology*, **2012**, 47, 997-1005	2.5	8
20	Reactive Extraction of Picolinic Acid Using Tri-n-octylamine Dissolved in Different Diluents: Effect of Solvent Polarity. *Journal of Chemical & Engineering Data*, **2015**, 60, 2709-2716	2.8	7
19	Reactive Extraction of Oxoethanoic Acid (Glyoxylic Acid) Using Amberlite-LA2 in Different Diluents. *Journal of Chemical & Engineering Data*, **2014**, 59, 2623-2629	2.8	7
18	Zn2+ Ion Adsorption from Aqueous Solution Using Montmorillonite Clay Impregnated with Tri-n-octylamine. *Journal of Chemical & Engineering Data*, **2017**, 62, 2155-2162	2.8	7
17	Application of response surface methodology to absorptive separation of SO2 from its mixture with air using marble waste. *Chemical Engineering Communications*, **2020**, 207, 458-473	2.2	7
16	Use of polymeric adsorbent Amberlite IR120 H resin for isonicotinic adsorption. *Journal of Molecular Liquids*, **2017**, 247, 289-293	6	5
15	Separation of Levulinic Acid Using Polymeric Resin, Amberlite IRA-67. *Journal of Chemical & Engineering Data*, **2019**, 64, 3044-3049	2.8	5
14	Protic ionic liquid+ water interactions studied by 1D NOESY NMR spectroscopy. *Journal of Molecular Structure*, **2019**, 1186, 137-143	3.4	4
13	Removal of Bisphenol-A using Cyphos IL-101 impregnated Amberlite XAD-7: optimisation using response surface methodology. *International Journal of Environmental Analytical Chemistry*, **2020**, 1-16	1.8	3
12	Extraction Equilibria of Gibberellic Acid by Tridodecylamine Dissolved in Alcohols. *Journal of Chemical & Engineering Data*, **2014**, 59, 3882-3887	2.8	3
11	Solvent impregnated resins for the treatment of aqueous solutions containing different compounds: a review. *Reviews in Chemical Engineering*, **2019**,	5	3
10	Study on the Biocompatible Solvent Systems for the Reactive Extraction of Itaconic Acid. *Journal of Chemical & Engineering Data*, **2019**, 64, 4280-4285	2.8	2
9	Statistical Modeling and Optimization of Itaconic Acid Reactive Extraction using Response Surface Methodology (RSM) and Artificial Neural Network (ANN). *Chemical Data Collections*, **2021**, 37, 100806	2.1	2

8	Solvent Polarity Effect when Amberlite-LA2 Is Used in the Extraction of Picric Acid. *Journal of Chemical & Engineering Data*, **2017**, 62, 1125-1129	2.8	1
7	Removal of malachite green, a cationic textile dye using Amberlite polymeric resins. *Indian Chemical Engineer*, **2020**, 1-10	1	1
6	Removal of Reactive Dye Using Solvent Impregnated Resin. *International Journal of Chemical Engineering and Applications (IJCEA)*, **2019**, 10, 40-45	0.2	1
5	Effective removal of methyl orange dye using aliquat 336 impregnated Amberlite XAD-2 resin. *Chemical Data Collections*, **2021**, 35, 100774	2.1	1
4	Rhodamine-B dye removal using aliquat-336 modified amberlite XAD-4 resin in fixed-bed columns in series.. *Water Science and Technology*, **2022**, 85, 1-15	2.2	0
3	Kinetic and thermodynamic study of thionine dye adsorption by peanut hull. *Indian Chemical Engineer*, **2020**, 1-11	1	0
2	Removal of reactive orange 16 and reactive green 19 using Cyphos IL101-impregnated Amberlite XAD7HP resin in batch and recirculating stirrer vessel. *Environmental Science and Pollution Research* , **2021**, 28, 17826-17843	5.1	0
1	Separation of Bisphenol-A using Amberlite-1180 impregnated with tri-n-octylamine. *Chemical Data Collections*, **2022**, 37, 100815	2.1	