

# Dipaloy Datta

## List of Publications by Year in descending order

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papers

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citations

471061

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64  
all docs

64  
docs citations

64  
times ranked

794  
citing authors

#	ARTICLE	IF	CITATIONS
1	Status of the Reactive Extraction as a Method of Separation. Journal of Chemistry, 2015, 2015, 1-16.	0.9	81
2	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.	1.8	47
3	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.	2.7	42
4	Equilibrium Study on the Extraction of Levulinic Acid from Aqueous Solution with Aliquat 336 Dissolved in Different Diluents: Solvent's Polarity Effect and Column Design. Journal of Chemical & Engineering Data, 2017, 62, 3-10.	1.0	37
5	Adsorptive removal of malachite green and Rhodamine B dyes on Fe <sub>3</sub> O <sub>4</sub> /activated carbon composite. Journal of Dispersion Science and Technology, 2017, 38, 1556-1562.	1.3	32
6	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.	1.8	31
7	Adsorption Study for the Separation of Isonicotinic Acid from Aqueous Solution Using Activated Carbon/Fe <sub>3</sub> O <sub>4</sub> Composites. Journal of Chemical & Engineering Data, 2018, 63, 436-445.	1.0	30
8	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.	1.0	28
9	Experimental Data and Theoretical (Chemodel Using the Differential Evolution Approach and Linear) Tj ETQq1 1 0.784314 rgBT /Overl Using Tri-n-octylamine. Journal of Chemical & Engineering Data, 2010, 55, 4290-4300.	1.0	27
10	Adsorption of isonicotinic acid from aqueous solution using multi-walled carbon nanotubes/Fe <sub>3</sub> O <sub>4</sub> . Journal of Molecular Liquids, 2019, 276, 163-169.	2.3	27
11	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.	1.8	26
12	Separation of chromium (VI) from its liquid solution using new montmorillonite supported with amine based solvent. Journal of Molecular Liquids, 2016, 215, 449-453.	2.3	24
13	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.	1.0	23
14	Adsorptive Separation of Cu <sup>2+</sup> from an Aqueous Solution Using Trioctylamine Supported Montmorillonite. Journal of Chemical & Engineering Data, 2015, 60, 3193-3200.	1.0	23
15	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.	2.7	23
16	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.	3.3	22
17	Reactive extraction of phenol from aqueous solution using tri-octylamine dissolved in alkanes and alcohols. Journal of Molecular Liquids, 2015, 212, 430-435.	2.3	21
18	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.	1.0	20

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19	Adsorption of levulinic acid from aqueous solution by Amberlite XAD-4. <i>Journal of Molecular Liquids</i> , 2017, 234, 330-334.	2.3	19
20	Extraction Equilibria of Glycolic Acid Using Tertiary Amines: Experimental Data and Theoretical Predictions. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 3262-3267.	1.0	18
21	MODELING USING RESPONSE SURFACE METHODOLOGY AND OPTIMIZATION USING DIFFERENTIAL EVOLUTION OF REACTIVE EXTRACTION OF GLYCOLIC ACID. <i>Chemical Engineering Communications</i> , 2015, 202, 59-69.	1.5	18
22	Adsorption of Reactive Blue-13, an Acidic Dye, from Aqueous Solution Using Magnetized Activated Carbon. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 2220-2229.	1.0	17
23	Differential Evolution Approach for Reactive Extraction of Propionic Acid Using Tri- <i>n</i> -Butyl Phosphate (TBP) in Kerosene and 1-Decanol. <i>Materials and Manufacturing Processes</i> , 2011, 26, 1222-1228.	2.7	16
24	Separation and recovery of copper from aqueous solutions using tri- <i>n</i> -butyl phosphate in benzene. <i>Journal of Molecular Liquids</i> , 2016, 221, 139-148.	2.3	16
25	Adsorptive Separation of Lead (Pb <sup>2+</sup> ) from Aqueous Solution Using Tri- <i>n</i> -octylamine Supported Montmorillonite. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 370-375.	1.0	16
26	Removal of Bisphenol-A Using Amine-Modified Magnetic Multiwalled Carbon Nanotubes: Batch and Column Studies. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 2877-2887.	1.0	16
27	Competitive removal of malachite green and Rhodamine-B using Amberlite-XAD-4 impregnated with Aliquat 336: experimental and modelling studies. <i>Separation Science and Technology</i> , 2020, 55, 537-553.	1.3	16
28	Statistical modeling and optimization of itaconic acid reactive extraction using response surface methodology (RSM) and artificial neural network (ANN). <i>Chemical Data Collections</i> , 2022, 37, 100806.	1.1	16
29	INTENSIFICATION OF RECOVERY OF FORMIC ACID FROM AQUEOUS STREAM USING REACTIVE EXTRACTION WITH N, N-DIOCTYLOCTAN-1-AMINE: EFFECT OF DILUENT AND TEMPERATURE. <i>Chemical Engineering Communications</i> , 2013, 200, 678-700.	1.5	15
30	Ultrasonically assisted adsorption of methyl orange dye using Aliquat-336 impregnated Amberlite XAD-4 in batch and recirculating flow vessel. <i>Chemical Engineering Research and Design</i> , 2019, 152, 402-414.	2.7	15
31	Reactive Extraction of Pyridine Carboxylic Acids with N, N-Dioctyloctan-1-Amine: Experimental and Theoretical Studies. <i>Separation Science and Technology</i> , 2013, 48, 898-908.	1.3	14
32	Reactive Extraction of Pyridine-2-carboxylic Acid (Picolinic Acid) Using Nontoxic Extractant and Diluent Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 1540-1548.	1.0	14
33	Intensification of picolinic acid extraction with tri- <i>n</i> -butylphosphate and tri- <i>n</i> -octylamine in three different diluents. <i>Chemical Engineering Research and Design</i> , 2015, 95, 105-112.	2.7	12
34	Intensification of Citric Acid Extraction by a Mixture of Trioctylamine and Tridodecylamine in Different Diluents. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 960-965.	1.0	12
35	Separation of copper ion (Cu <sup>2+</sup> ) from aqueous solution using tri- <i>n</i> -butyl phosphate and di- <i>n</i> -ethylhexyl phosphoric acid as extractants. <i>Journal of Molecular Liquids</i> , 2018, 258, 147-154.	2.3	12
36	Application of response surface methodology to absorptive separation of SO <sub>2</sub> from its mixture with air using marble waste. <i>Chemical Engineering Communications</i> , 2020, 207, 458-473.	1.5	12

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37	Reactive Extraction of Picolinic Acid Using Tri- <i>n</i> -octylamine Dissolved in Different Diluents: Effect of Solvent Polarity. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 2709-2716.	1.0	11
38	Extraction of Picric Acid from Wastewater by a Secondary Amine (Amberlite LA2) in Octan-1-ol: Equilibrium, Kinetics, Thermodynamics, and Molecular Dynamics Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3659-3667.	1.8	11
39	Reactive Extraction of 2-Methylidenebutanedioic Acid with <i>N,N</i> -Dioctyloctan-1-amine Dissolved in Six Different Diluents: Experimental and Theoretical Equilibrium Studies at (298 ± 1) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2574-2582.	1.0	10
40	Comparative Study on Reactive Extraction of Picolinic Acid with Six Different Extractants (Phosphoric and Aminic) in Two Different Diluents (Benzene and Decan-1-ol). <i>Separation Science and Technology</i> , 2012, 47, 997-1005.	1.3	10
41	Equilibrium and Thermodynamic Studies on Reactive Extraction of Nicotinic Acid Using a Biocompatible Extraction System. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3431-3436.	1.0	10
42	Investigation of Extraction of Phenol from Wastewater Using <i>N,N</i> -Didodecyl-1-dodecanamine (Tridodecylamine) in Benzene. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3858-3862.	1.0	9
43	Amine functionalized and Fe <sub>3</sub> O <sub>4</sub> incorporated activated carbon for bisphenol-A separation. <i>Water Science and Technology</i> , 2019, 79, 1755-1765.	1.2	9
44	Solvent impregnated resins for the treatment of aqueous solutions containing different compounds: a review. <i>Reviews in Chemical Engineering</i> , 2022, 38, 209-242.	2.3	9
45	Reactive Extraction of Oxoethanoic Acid (Glyoxylic Acid) Using Amberlite-LA2 in Different Diluents. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 2623-2629.	1.0	8
46	Application of Magnetically Activated Carbon for the Separation of Nicotinic Acid from Aqueous Solution. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 712-719.	1.0	8
47	Zn <sup>2+</sup> Ion Adsorption from Aqueous Solution Using Montmorillonite Clay Impregnated with Tri- <i>n</i> -octylamine. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 2155-2162.	1.0	8
48	Separation of Levulinic Acid Using Polymeric Resin, Amberlite IRA-67. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 3044-3049.	1.0	7
49	Use of polymeric adsorbent Amberlite IR120 H resin for isonicotinic adsorption. <i>Journal of Molecular Liquids</i> , 2017, 247, 289-293.	2.3	6
50	Extraction Equilibria of Gibberellic Acid by Tridodecylamine Dissolved in Alcohols. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3882-3887.	1.0	5
51	Removal of Bisphenol-A using Cyphos IL-101 impregnated Amberlite XAD-7: optimisation using response surface methodology. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 3227-3242.	1.8	5
52	Study on the Biocompatible Solvent Systems for the Reactive Extraction of Itaconic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4280-4285.	1.0	4
53	Protic ionic liquid + water interactions studied by 1D NOESY NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2019, 1186, 137-143.	1.8	4
54	Removal of malachite green, a cationic textile dye using Amberlite polymeric resins. <i>Indian Chemical Engineer</i> , 2021, 63, 339-348.	0.9	4

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55	Removal of reactive orange 16 and reactive green 19 using Cyphos IL101-impregnated Amberlite XAD7HP resin in batch and recirculating stirrer vessel. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17826-17843.	2.7	4
56	Rhodamine-B dye removal using aliquat-336 modified amberlite XAD-4 resin in fixed-bed columns in series. <i>Water Science and Technology</i> , 2022, 85, 1-15.	1.2	4
57	Reactive extraction of gallic acid using trioctylamine and tributyl phosphate with natural oils. <i>Chemical Engineering and Technology</i> , 0, , .	0.9	4
58	Effective removal of methyl orange dye using aliquat 336 impregnated Amberlite XAD-2 resin. <i>Chemical Data Collections</i> , 2021, 35, 100774.	1.1	3
59	Separation of Bisphenol-A using Amberlite-1180 impregnated with tri-n-octylamine. <i>Chemical Data Collections</i> , 2022, 37, 100815.	1.1	2
60	Solvent Polarity Effect when Amberlite-LA2 Is Used in the Extraction of Picric Acid. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 1125-1129.	1.0	1
61	Kinetic and thermodynamic study of thionine dye adsorption by peanut hull. <i>Indian Chemical Engineer</i> , 2020, , 1-11.	0.9	1
62	Removal of Reactive Dye Using Solvent Impregnated Resin. <i>International Journal of Chemical Engineering and Applications (IJCEA)</i> , 2019, 10, 40-45.	0.3	1
63	Fluoride ion removal using amine modified polymeric resin: Batch and column studies. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	0
64	Ultrasound-assisted Aliquat 336 functionalized natural resin for improved removal of Bisphenol-A and Biochanin-A from aqueous solution. <i>Chemical Engineering Communications</i> , 2023, 210, 1370-1382.	1.5	0