

# Sujata Mishra

## List of Publications by Year in descending order

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32  
papers

547  
citations

758635

12  
h-index

642321

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

469  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the recovery and separation of rare earths and transition metals from secondary resources. <i>Journal of Cleaner Production</i> , 2019, 220, 884-898.	4.6	171
2	Solvent extraction of neodymium(III) from acidic nitrate medium using Cyanex 921 in kerosene. <i>Journal of Rare Earths</i> , 2012, 30, 794-797.	2.5	46
3	Studies on extraction and separation of La(III) with DEHPA and PC88A in petrofin. <i>Hydrometallurgy</i> , 2015, 156, 12-16.	1.8	30
4	Extraction of copper(II) from hydrochloric acid solution by Cyanex 921. <i>Hydrometallurgy</i> , 2011, 107, 29-33.	1.8	29
5	Efficiency of Aliquat 336 for hydrometallurgical separation of Sm (III) and Co (II) from nitrate medium. <i>Minerals Engineering</i> , 2019, 139, 105872.	1.8	22
6	An eye on molecular interaction studies of non-aqueous binary liquid mixtures with reference to dielectric, refractive properties and spectral characteristics. <i>Journal of Molecular Liquids</i> , 2019, 279, 317-326.	2.3	20
7	Solvent extraction equilibrium study of manganese(II) with Cyanex 302 in kerosene. <i>Hydrometallurgy</i> , 2010, 103, 118-123.	1.8	19
8	Extraction of neodymium(III) using binary mixture of Cyanex 272 and Cyanex 921/Cyanex 923 in kerosene. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 296, 1205-1211.	0.7	19
9	Ionic liquid as an emerging alternative for the separation and recovery of Nd, Sm and Eu using solvent extraction technique-A review. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100434.	1.6	19
10	Hydrometallurgical route for recovery and separation of samarium (III) and cobalt (II) from simulated waste solution using tri-n-octyl phosphine oxide – A novel pathway for synthesis of samarium and cobalt oxides nanoparticles. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152423.	2.8	17
11	Extractive separation studies of La(III) and Ni(II) in the presence of lactic acid using DEHPA in petrofin. <i>Separation and Purification Technology</i> , 2017, 179, 513-522.	3.9	16
12	Solvent extraction of Ce(III) from nitric acid medium using binary mixture of PC 88A and Cyanex 921. <i>Hydrometallurgy</i> , 2016, 166, 252-259.	1.8	14
13	Studies on molar volume, dielectric properties and refractive indices of Cyanex 923 + benzene/xylene at 300 K. <i>Journal of Molecular Liquids</i> , 2016, 222, 383-389.	2.3	12
14	A thermodynamic investigation of solute - solvent interactions through volumetric, ultrasonic, dielectric, refractive and excess properties of binary mixtures of Tri-n-butyl phosphate with dichloro, trichloro and tetrachloromethane at 298.15 K. <i>Journal of Molecular Liquids</i> , 2019, 279, 561-570.	2.3	12
15	Extraction of Zr(IV) from hydrochloric acid with tri-octyl amine and Cyanex 921 in kerosene. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2013, 20, 823-828.	2.4	11
16	A review on extraction and separation studies of copper with various commercial extractants. <i>Metallurgical Research and Technology</i> , 2015, 112, 202.	0.4	11
17	Studies on solvent extraction of La(III) using [A336][NO <sub>3</sub> ] <sup>3+</sup> and modeling by statistical analysis and neural network. <i>Separation Science and Technology</i> , 2017, 52, 1660-1669.	1.3	10
18	Separation of copper and iron from chloride media using Cyanex 921 in kerosene. <i>Journal of Central South University</i> , 2014, 21, 1752-1755.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Role of extractants and diluents in recovery of rare earths from waste materials. <i>Materials Today: Proceedings</i> , 2020, 30, 239-245.	0.9	9
20	Solvent extraction of praseodymium(III) from acidic nitrate medium using Cyanex 921 and Cyanex 923 as extractants in kerosene. <i>Turkish Journal of Chemistry</i> , 2014, 38, 504-511.	0.5	8
21	Investigation on molecular interaction studies of binary mixture of DEHPA and petrofin at 298.15 K. <i>Physics and Chemistry of Liquids</i> , 2018, 56, 141-152.	0.4	8
22	Kinetics and mechanisms of solvent extraction and separation of La(III) and Ni(II) with DEHPA in petrofin. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1538-1548.	1.7	8
23	Evaluation of Europium Biosorption Using <i>Deinococcus</i> Radiodurans. <i>Environmental Processes</i> , 2021, 8, 251-265.	1.7	8
24	Synergistic extraction and separation studies of Ce(III) from acidic nitrate medium using binary mixture of Cyanex 921 and Cyanex 923 in kerosene. <i>Separation Science and Technology</i> , 2016, 51, 447-456.	1.3	7
25	Studies on liquid-liquid extraction of La(III) from acidic nitrate medium using TBP in petrofin. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 531-536.	0.7	5
26	Solvent extraction of La(III) using Cyanex 921 in petrofin and modelling of data by linear and nonlinear techniques. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 1813-1824.	0.7	4
27	Influence of lactic acid on the solvent extraction separation of Sm(III) and Co(II) from chloride medium using DEHPA. <i>Separation Science and Technology</i> , 2019, 54, 2907-2920.	1.3	3
28	Trialkyl Phosphine Oxide as an Extracting Agent for Solvent Extraction of Nd(III) from HNO <sub>3</sub> /NaNO <sub>3</sub> Solution. <i>Springer Proceedings in Materials</i> , 2021, , 105-113.	0.1	0
29	Synthesis of nanosized Sm and Co oxides by liquid-liquid extraction scheme and investigation into separation chemistry employing tri-alkyl phosphine oxide as an extractant. <i>Chemical Papers</i> , 0, , 1.	1.0	0
30	Kinetics and Thermodynamics Studies of Extraction of Ce(III) from Acidic Nitrate Medium Using Cyanex 921 in Kerosene. <i>Advanced Science Letters</i> , 2016, 22, 524-529.	0.2	0
31	Some Aspects of Extraction Studies of Zr(IV) from HCl Medium Using TOA and Cyanex 921. <i>Advanced Science Letters</i> , 2016, 22, 530-532.	0.2	0
32	Assessment of extraction kinetics of separation of Sm (III) and Co (II) in the presence of lactic acid using DEHPA as an organic carrier. <i>Canadian Metallurgical Quarterly</i> , 2021, 60, 160-171.	0.4	0