

# Shilpi Kushwaha

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

507  
citations

623574

14  
h-index

677027

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	XPS, EXAFS, and FTIR As Tools To Probe the Unexpected Adsorption-Coupled Reduction of U(VI) to U(V) and U(IV) on <i>Borassus flabellifer</i> -Based Adsorbents. <i>Langmuir</i> , 2012, 28, 16038-16048.	1.6	67
2	Sorption of uranium from aqueous solutions using palm-shell-based adsorbents: a kinetic and equilibrium study. <i>Journal of Environmental Radioactivity</i> , 2013, 126, 115-124.	0.9	44
3	An Insight Into the Production, Characterization, and Mechanisms of Action of Low-Cost Adsorbents for Removal of Organics From Aqueous Solution. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 443-549.	6.6	37
4	A spectroscopic study for understanding the speciation of Cr on palm shell based adsorbents and their application for the remediation of chrome plating effluents. <i>Bioresource Technology</i> , 2012, 116, 15-23.	4.8	35
5	Adsorption of mercury(II), methyl mercury(II) and phenyl mercury(II) on chitosan cross-linked with a barbital derivative. <i>Carbohydrate Polymers</i> , 2011, 86, 1055-1062.	5.1	33
6	Catalyst: Uranium Extraction from Seawater, a Paradigm Shift in Resource Recovery. <i>CheM</i> , 2021, 7, 271-274.	5.8	30
7	Fluorescent Uranyl Ion Lidded Cucurbit[5]uril Capsule. <i>Inorganic Chemistry</i> , 2012, 51, 267-273.	1.9	28
8	Sorption of Phenyl Mercury, Methyl Mercury, and Inorganic Mercury onto Chitosan and Barbital Immobilized Chitosan: Spectroscopic, Potentiometric, Kinetic, Equilibrium, and Selective Desorption Studies. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 4691-4698.	1.0	27
9	Evaluation of Acid-Treated Palm Shell Powder for Its Effectiveness in the Adsorption of Organophosphorus Pesticides: Isotherm, Kinetics, and Thermodynamics. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 2407-2415.	1.0	26
10	A Cysteine-Specific Fluorescent Switch for Monitoring Oxidative Stress and Quantification of Aminoacylase-1 in Blood Serum. <i>Analytical Chemistry</i> , 2016, 88, 12161-12168.	3.2	26
11	Chitosan- <i>Thiobarbituric Acid</i> : A Superadsorbent for Mercury. <i>ACS Omega</i> , 2018, 3, 13183-13194.	1.6	24
12	Polymer Nanorings with Uranium Specific Clefs for Selective Recovery of Uranium from Acidic Effluents via Reductive Adsorption. <i>ACS Sensors</i> , 2020, 5, 3254-3263.	4.0	23
13	Kinetics and Equilibrium Studies of Adsorption of Anionic Dyes Using Acid-Treated Palm Shell. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 8106-8113.	1.8	18
14	Adsorption of Hg <sup>2+</sup> onto <i>Borassus Flabellifer</i> : A redox mechanism. <i>Chemical Engineering Journal</i> , 2012, 193-194, 328-338.	6.6	16
15	pH-dependent speciation and hydrogen (H <sub>2</sub> ) control U(VI) respiration by <i>Desulfovibrio vulgaris</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 1465-1474.	1.7	14
16	Spectroscopic characterization for remediation of copper, cadmium and mercury using modified palm shell powder. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 46, 191-199.	2.7	12
17	Cucurbit[7]uril Induced Formation of FRET-Enabled Unilamellar Lipid Vesicles. <i>Langmuir</i> , 2017, 33, 10989-10999.	1.6	12
18	Noncovalent surface grafting of uranium complexed cucurbit[5]uril oligomer onto palm shell powder: a novel approach for selective uranyl ion extraction. <i>Analyst, The</i> , 2012, 137, 3242.	1.7	11

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19	Efficient valorisation of palm shell powder to bio-sorbents for copper remediation from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2480-2487.	3.3	10
20	Adsorption of Hg(II) from aqueous solution onto <i>Borassus Flabellifer</i> : equilibrium and kinetic studies. <i>Desalination and Water Treatment</i> , 2009, 12, 100-107.	1.0	6
21	Perm-selective ultrathin high flux microporous polyaryl nanofilm for molecular separation. <i>IScience</i> , 2022, 25, 104441.	1.9	5
22	Sorption Mechanism of Cd(II) and Zn(II) onto Modified Palm Shell. <i>Adsorption Science and Technology</i> , 2013, 31, 503-519.	1.5	3