

# A Santhana Krishna Kumar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

1,832  
citations

25  
h-index

41  
g-index

41  
ext. papers

2,079  
ext. citations

7.7  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
40	Tapping the potential of a glucosamine polysaccharide-diatomaceous earth hybrid adsorbent in the solid phase extraction of a persistent organic pollutant and toxic pesticide 4,4'-DDT from water.. <i>RSC Advances</i> , <b>2022</b> , 12, 5489-5500	3.7	0
39	Self-Assembly of Poly(ethyleneimine)-Modified g-CN Nanosheets with Lysozyme Fibrils for Chromium Detoxification. <i>Langmuir</i> , <b>2021</b> , 37, 7147-7155	4	4
38	Two in One: Poly(ethyleneimine)-Modified MnO <sub>2</sub> Nanosheets for Ultrasensitive Detection and Catalytic Reduction of 2,4,6-Trinitrotoluene and Other Nitro Aromatics. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1142-1151	8.3	3
37	Prospective application of diethylaminoethyl cellulose (DEAE-cellulose) with a high adsorption capacity toward the detoxification of 2,4-dichlorophenoxyacetic acid (2,4-D) from water.. <i>RSC Advances</i> , <b>2021</b> , 11, 22640-22651	3.7	1
36	Perspective on recent developments of near infrared-emitting gold nanoclusters: applications in sensing and bio-imaging. <i>Analytical Methods</i> , <b>2020</b> , 12, 1809-1826	3.2	17
35	L-cystine-linked BODIPY-adsorbed monolayer MoS quantum dots for ratiometric fluorescent sensing of biothiols based on the inner filter effect. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1113, 43-51	6.6	14
34	Magnetically Separable Nanospherical g-C <sub>3</sub> N <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> as a Recyclable Material for Chromium Adsorption and Visible-Light-Driven Catalytic Reduction of Aromatic Nitro Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6662-6671	8.3	30
33	Impact of fluoride in potable water – An outlook on the existing defluoridation strategies and the road ahead. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 387, 121-128	23.2	28
32	Cerium(iii)-directed assembly of glutathione-capped gold nanoclusters for sensing and imaging of alkaline phosphatase-mediated hydrolysis of adenosine triphosphate. <i>Nanoscale</i> , <b>2018</b> , 10, 17691-17698	7.7	41
31	Synthesis of magnetically separable and recyclable magnetic nanoparticles decorated with Cyclodextrin functionalized graphene oxide an excellent adsorption of As(V)/(III). <i>Journal of Molecular Liquids</i> , <b>2017</b> , 237, 387-401	6	58
30	Synthesis and Characterization of Two-Dimensional Transition Metal Dichalcogenide Magnetic MoS <sub>2</sub> @FeO Nanoparticles for Adsorption of Cr(VI)/Cr(III). <i>ACS Omega</i> , <b>2017</b> , 2, 6187-6200	3.9	74
29	A perspective on diverse adsorbent materials to recover precious palladium and the way forward. <i>RSC Advances</i> , <b>2017</b> , 7, 52133-52142	3.7	35
28	Probing the Interaction between Fluoride and the Polysaccharides in Al(III)- and Zr (IV)-Modified Tea Waste by Using Diverse Analytical Characterization Techniques. <i>ChemistrySelect</i> , <b>2017</b> , 2, 10123-10135	1.8	1
27	Facile synthesis and characterization of thiol-functionalized graphene oxide as effective adsorbent for Hg(II). <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 2052-2065	6.8	52
26	The journey traversed in the remediation of hexavalent chromium and the road ahead toward greener alternatives – a perspective. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 317, 157-166	23.2	68
25	Chitosan-functionalized graphene oxide: A novel adsorbent an efficient adsorption of arsenic from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 1698-1713	6.8	155
24	Effective adsorption of chromium(VI)/Cr(III) from aqueous solution using ionic liquid functionalized multiwalled carbon nanotubes as a super sorbent. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7044-7057	13	169

23	Preparation and characterization of exfoliated graphene oxide-L-cystine as an effective adsorbent of Hg(II) adsorption. <i>RSC Advances</i> , <b>2015</b> , 5, 6294-6304	3.7	57
22	Comprehending the interaction between chitosan and ionic liquid for the adsorption of palladium. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 72, 633-9	7.9	49
21	Aluminium hydroxide impregnated macroreticular aromatic polymeric resin as a sustainable option for defluoridation. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 630-641	6.8	12
20	Microwave assisted preparation of n-butylacrylate grafted chitosan and its application for Cr(VI) adsorption. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 66, 135-43	7.9	58
19	A novel ultrasonication method in the preparation of zirconium impregnated cellulose for effective fluoride adsorption. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 1090-9	8.9	60
18	An Integrated Use of Biopolymer-Ceramic Composites Towards Capacitor and Environmental Application. <i>Polymer-Plastics Technology and Engineering</i> , <b>2014</b> , 53, 626-630		1
17	Biosorption of cadmium using a novel bacterium isolated from an electronic industry effluent. <i>Chemical Engineering Journal</i> , <b>2014</b> , 235, 176-185	14.7	77
16	Graphene oxide-Aluminium oxyhydroxide interaction and its application for the effective adsorption of fluoride. <i>RSC Advances</i> , <b>2014</b> , 4, 53711-53721	3.7	98
15	Enhanced adsorption of hexavalent chromium arising out of an admirable interaction between a synthetic polymer and an ionic liquid. <i>Chemical Engineering Journal</i> , <b>2013</b> , 222, 454-463	14.7	19
14	Microwave assisted preparation of glycidyl methacrylate grafted cellulose adsorbent for the effective adsorption of mercury from a coal fly ash sample. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 1359-1367	6.8	18
13	A novel amine impregnated graphene oxide adsorbent for the removal of hexavalent chromium. <i>Chemical Engineering Journal</i> , <b>2013</b> , 230, 328-337	14.7	79
12	Efficacy of novel Al <sub>2</sub> O <sub>3</sub> impregnated cellulose adsorbent prepared using microwave irradiation for the facile defluoridation of water. <i>Journal of Environmental Chemical Engineering</i> , <b>2013</b> , 1, 1325-1335	6.8	52
11	Adsorptive Demercuration by Virtue of an Appealing Interaction Involving Biopolymer Cellulose and Mercaptobenzothiazole. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 11838-11849	3.9	33
10	Exploring the interesting interaction between graphene oxide, Aliquat-336 (a room temperature ionic liquid) and chromium(VI) for wastewater treatment. <i>RSC Advances</i> , <b>2013</b> , 3, 2697	3.7	57
9	Microwave assisted solvent free green preparation and physicochemical characterization of surfactant-anchored cellulose and its relevance toward the effective adsorption of chromium. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 372, 88-98	9.3	24
8	An efficient ultrasound assisted approach for the impregnation of room temperature ionic liquid onto Dowex 1B resin matrix and its application toward the enhanced adsorption of chromium (VI). <i>Journal of Hazardous Materials</i> , <b>2012</b> , 213-214, 249-57	12.8	35
7	Potential application of dodecylamine modified sodium montmorillonite as an effective adsorbent for hexavalent chromium. <i>Chemical Engineering Journal</i> , <b>2012</b> , 211-212, 396-405	14.7	58
6	A Meticulous Study on the Adsorption of Mercury as Tetrachloromercurate(II) Anion with Trioctylamine Modified Sodium Montmorillonite and Its Application to a Coal Fly Ash Sample. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 11312-11327	3.9	22

5	Effective adsorption of hexavalent chromium through a three center (3c) co-operative interaction with an ionic liquid and biopolymer. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 239-240, 213-24	12.8	52
4	Application of Cellulose-Clay Composite Biosorbent toward the Effective Adsorption and Removal of Chromium from Industrial Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 58-69	3.9	161
3	Trialkylamine Impregnated Macroporous Polymeric Sorbent for the Effective Removal of Chromium from Industrial Wastewater. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2295-2304	2.8	39
2	An enhanced adsorption methodology for the detoxification of chromium using n-octylamine impregnated Amberlite XAD-4 polymeric sorbent. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2011</b> , 46, 1598-610	2.3	8
1	Microwave assisted preparation and characterization of biopolymer-clay composite material and its application for chromium detoxification from industrial effluent. <i>Advanced Materials Letters</i> , <b>2011</b> , 2, 383-391	2.4	8