

# Anupkumar Bhaskarapillai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5896020/publications.pdf>

Version: 2024-02-01

21  
papers

632  
citations

840119

11  
h-index

794141

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

706  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Cobalt (II) imprinted chitosan for selective removal of cobalt during nuclear reactor decontamination. <i>Carbohydrate Polymers</i> , 2012, 87, 2690-2696.   | 5.1 | 101       |
| 2  | Pitting corrosion of titanium by a freshwater strain of sulphate reducing bacteria ( <i>Desulfovibrio</i> ) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 70  | 3.0 | 94        |
| 3  | Impact of thermal discharge from a tropical coastal power plant on phytoplankton. <i>Journal of Thermal Biology</i> , 2005, 30, 307-316.   | 1.1 | 89        |
| 4  | Antimony, a pollutant of emerging concern: A review on industrial sources and remediation technologies. <i>Chemosphere</i> , 2021, 277, 130252.  | 4.2 | 78        |
| 5  | Synthesis and Characterization of Imprinted Polymers for Radioactive Waste Reduction. <i>Industrial &amp; Engineering Chemistry Research</i> , 2009, 48, 3730-3737.  | 1.8 | 50        |
| 6  | Nano-titania-crosslinked chitosan composite as a superior sorbent for antimony (III) and (V). <i>Carbohydrate Polymers</i> , 2014, 108, 169-175.   | 5.1 | 49        |
| 7  | Enhancing the antimony sorption properties of nano titania-chitosan beads using epichlorohydrin as the crosslinker. <i>Journal of Hazardous Materials</i> , 2017, 334, 160-167.  | 6.5 | 41        |
| 8  | Crosslinked poly(1-butyl-3-vinylimidazolium bromide): a super efficient receptor for the removal and storage of iodine from solution and vapour phases. <i>New Journal of Chemistry</i> , 2019, 43, 1117-1121.                         | 1.4 | 18        |
| 9  | Sorption behaviour of Co(II) and Cu(II) on chitosan in presence of nitrilotriacetic acid. <i>Journal of Hazardous Materials</i> , 2011, 191, 110-117.  | 6.5 | 17        |
| 10 | Synthesis of a crosslinked poly(ionic liquid) and evaluation of its antimony binding properties. <i>Journal of Hazardous Materials</i> , 2020, 384, 121481.  | 6.5 | 17        |
| 11 | Theoretical investigations of the experimentally observed selectivity of a cobalt imprinted polymer. <i>Biosensors and Bioelectronics</i> , 2009, 25, 558-562.   | 5.3 | 14        |
| 12 | Towards finding an efficient sorbent for antimony: comparative investigations on antimony removal properties of potential antimony sorbents. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 777-784. | 1.8 | 12        |
| 13 | High temperature dissolution of oxides in complexing media. <i>Journal of Nuclear Materials</i> , 2011, 419, 39-45.  | 1.3 | 11        |
| 14 | Thermal mapping in the Kalpakkam Coast (Bay of Bengal) in the vicinity of Madras atomic power station. <i>International Journal of Environmental Studies</i> , 2005, 62, 473-485.  | 0.7 | 10        |
| 15 | Removal of Antimony over Nano Titaniaâ€œImpregnated Epichlorohydrin-Crosslinked Chitosan Beads from a Typical Decontamination Formulation. <i>Nuclear Technology</i> , 2017, 197, 88-98.   | 0.7 | 9         |
| 16 | A comparative investigation of copper and cobalt imprinted polymers: evidence for retention of the solution-state metal ionâ€œligand complex stoichiometry in the imprinted cavities. <i>RSC Advances</i> , 2013, 3, 13178.            | 1.7 | 8         |
| 17 | New insight into the role of crosslinkers and composition on selectivity and kinetics of antimony uptake by chitosan-titania composite beads. <i>SN Applied Sciences</i> , 2021, 3, 1.   | 1.5 | 6         |
| 18 | Organic acids modify the binding selectivity of crosslinked poly(ionic liquid) between Sb(III) and Sb(V). <i>Materials Today Communications</i> , 2020, 25, 101507.  | 0.9 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Crosslinked poly(ionic liquid)s as selective receptors for Cr(VI) – Counter anion effect and application in treating drinking water and tannery effluents. <i>Chemosphere</i> , 2022, 286, 131922. | 4.2 | 3         |
| 20 | Exopolymer produced by <i>Pseudomonas aeruginosa</i> : A super sorbent for ruthenium. <i>Separation Science and Technology</i> , 0, , 1-6.   | 1.3 | 1         |
| 21 | Speciality commercial ion exchange resins for use in nuclear industries for antimony removal: A systematic study. <i>Journal of Hazardous Materials Advances</i> , 2022, 6, 100087.                | 1.2 | 1         |