

Jyoti Mittal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/914292/publications.pdf>

Version: 2024-02-01

44
papers

8,491
citations

109321

35
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

6358
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Removal and recovery of Chrysoidine Y from aqueous solutions by waste materials. Journal of Colloid and Interface Science, 2010, 344, 497-507. | 9.4 | 805 |
| 2 | Adsorption of hazardous dye crystal violet from wastewater by waste materials. Journal of Colloid and Interface Science, 2010, 343, 463-473. | 9.4 | 628 |
| 3 | Adsorptive removal of hazardous anionic dye Congo red from wastewater using waste materials and recovery by desorption. Journal of Colloid and Interface Science, 2009, 340, 16-26. | 9.4 | 619 |
| 4 | Adsorption studies on the removal of coloring agent phenol red from wastewater using waste materials as adsorbents. Journal of Colloid and Interface Science, 2009, 337, 345-354. | 9.4 | 467 |
| 5 | Decoloration treatment of a hazardous triarylmethane dye, Light Green SF (Yellowish) by waste material adsorbents. Journal of Colloid and Interface Science, 2010, 342, 518-527. | 9.4 | 463 |
| 6 | Studies on the adsorption kinetics and isotherms for the removal and recovery of Methyl Orange from wastewaters using waste materials. Journal of Hazardous Materials, 2007, 148, 229-240. | 12.4 | 435 |
| 7 | Freundlich and Langmuir adsorption isotherms and kinetics for the removal of Tartrazine from aqueous solutions using hen feathers. Journal of Hazardous Materials, 2007, 146, 243-248. | 12.4 | 354 |
| 8 | Removal and Recovery of the Hazardous Azo Dye Acid Orange 7 through Adsorption over Waste Materials: Bottom Ash and De-Oiled Soya. Industrial & Engineering Chemistry Research, 2006, 45, 1446-1453. | 3.7 | 349 |
| 9 | Batch and bulk removal of hazardous colouring agent Rose Bengal by adsorption techniques using bottom ash as adsorbent. RSC Advances, 2012, 2, 8381. | 3.6 | 333 |
| 10 | Adsorption of a hazardous dye, erythrosine, over hen feathers. Journal of Colloid and Interface Science, 2006, 304, 52-57. | 9.4 | 305 |
| 11 | Adsorption of carmoisine A from wastewater using waste materials Bottom ash and deoiled soya. Journal of Colloid and Interface Science, 2009, 335, 24-33. | 9.4 | 292 |
| 12 | Adsorption of basic fuchsin using waste materials bottom ash and deoiled soya as adsorbents. Journal of Colloid and Interface Science, 2008, 319, 30-39. | 9.4 | 256 |
| 13 | Process development for the batch and bulk removal and recovery of a hazardous, water-soluble azo dye (Metanil Yellow) by adsorption over waste materials (Bottom Ash and De-Oiled Soya). Journal of Hazardous Materials, 2008, 151, 821-832. | 12.4 | 254 |
| 14 | Adsorption treatment and recovery of the hazardous dye, Brilliant Blue FCF, over bottom ash and de-oiled soya. Journal of Colloid and Interface Science, 2006, 293, 16-26. | 9.4 | 243 |
| 15 | Applications of egg shell and egg shell membrane as adsorbents: A review. Journal of Molecular Liquids, 2016, 223, 376-387. | 4.9 | 210 |
| 16 | Adsorption of hazardous dye Eosin Yellow from aqueous solution onto waste material De-oiled Soya: Isotherm, kinetics and bulk removal. Journal of Molecular Liquids, 2013, 179, 133-140. | 4.9 | 184 |
| 17 | Iron based metal organic framework for efficient removal of methylene blue dye from industrial waste. Journal of Molecular Liquids, 2019, 284, 343-352. | 4.9 | 177 |
| 18 | A review on halloysite-based adsorbents to remove pollutants in water and wastewater. Journal of Molecular Liquids, 2018, 269, 855-868. | 4.9 | 150 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Utilisation of cobalt doped Iron based MOF for enhanced removal and recovery of methylene blue dye from waste water. <i>Journal of Molecular Liquids</i> , 2020, 314, 113642. | 4.9 | 150 |
| 20 | Adsorption isotherms, kinetics and column operations for the removal of hazardous dye, Tartrazine from aqueous solutions using waste materialsâ€™ Bottom Ash and De-Oiled Soya, as adsorbents. <i>Journal of Hazardous Materials</i> , 2006, 136, 567-578. | 12.4 | 135 |
| 21 | Batch and bulk removal of hazardous dye, indigo carmine from wastewater through adsorption. <i>Journal of Hazardous Materials</i> , 2006, 137, 591-602. | 12.4 | 130 |
| 22 | Batch and bulk removal of a triarylmethane dye, Fast Green FCF, from wastewater by adsorption over waste materials. <i>Journal of Hazardous Materials</i> , 2009, 163, 568-577. | 12.4 | 122 |
| 23 | Applicability of waste materialsâ€™ bottom ash and deoiled soyaâ€™ as adsorbents for the removal and recovery of a hazardous dye, brilliant green. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 8-17. | 9.4 | 117 |
| 24 | Removal and recovery of hazardous triphenylmethane dye, Methyl Violet through adsorption over granulated waste materials. <i>Journal of Hazardous Materials</i> , 2008, 150, 364-375. | 12.4 | 117 |
| 25 | Separation of chromium from water samples using eggshell powder as a low-cost sorbent: kinetic and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2015, 53, 214-220. | 1.0 | 106 |
| 26 | Process development for the removal of hazardous anionic azo dye Congo red from wastewater by using hen feather as potential adsorbent. <i>Desalination and Water Treatment</i> , 2014, 52, 227-237. | 1.0 | 105 |
| 27 | Optimization of Cr(VI) removal onto biosorbent eggshell membrane: experimental & theoretical approaches. <i>Desalination and Water Treatment</i> , 2014, 52, 1307-1315. | 1.0 | 103 |
| 28 | Sequestration of toxic congo red dye from aqueous solution using ecofriendly guar gum/ activated carbon nanocomposite.. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 1310-1318. | 7.5 | 102 |
| 29 | Batch removal of hazardous azo dye Bismark Brown R using waste material hen feather. <i>Ecological Engineering</i> , 2013, 60, 249-253. | 3.6 | 101 |
| 30 | Recent progress in the synthesis of Layered Double Hydroxides and their application for the adsorptive removal of dyes: A review. <i>Journal of Environmental Management</i> , 2021, 295, 113017. | 7.8 | 98 |
| 31 | Utilization of bottom ash as a low-cost sorbent for the removal and recovery of a toxic halogen containing dye eosin yellow. <i>Desalination and Water Treatment</i> , 2014, 52, 4508-4519. | 1.0 | 84 |
| 32 | Process development for the removal and recovery of hazardous dye erythrosine from wastewater by waste materialsâ€™ Bottom Ash and De-Oiled Soya as adsorbents. <i>Journal of Hazardous Materials</i> , 2006, 138, 95-105. | 12.4 | 80 |
| 33 | Removal of Yellow ME 7 GL from industrial effluent using electrochemical and adsorption techniques. <i>International Journal of Environment and Pollution</i> , 2010, 43, 308. | 0.2 | 61 |
| 34 | Permissible Synthetic Food Dyes in India. <i>Resonance</i> , 2020, 25, 567-577. | 0.3 | 53 |
| 35 | Efficient batch and Fixed-Bed sequestration of a basic dye using a novel variant of ordered mesoporous carbon as adsorbent. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103186. | 4.9 | 46 |
| 36 | A novel, eco-friendly bio-nanocomposite (Alg-Cst/Kal) for the adsorptive removal of crystal violet dye from its aqueous solutions. <i>International Journal of Phytoremediation</i> , 2022, 24, 796-807. | 3.1 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Sequestration of crystal violet from aqueous solution using ash of black turmeric rhizome. , 0, 220, 342-352. | | 38 |
| 38 | Batch and bulk adsorptive removal of anionic dye using metal/halide-free ordered mesoporous carbon as adsorbent. Journal of Cleaner Production, 2021, 321, 129060. | 9.3 | 35 |
| 39 | Efficient ultrasonic assisted adsorption of organic pollutants employing bimetallic-carbon nanocomposites. Separation Science and Technology, 2021, 56, 2895-2908. | 2.5 | 33 |
| 40 | Adsorption kinetics and thermodynamics of hazardous dye Tropaeoline 000 onto Aerioxide Alu C (Nano) Tj ETQq0 0,0 rgBT /Overlock 10 | 1.0 | 23 |
| 41 | Synthesis and characterization of YVO ₄ :Eu ³⁺ nanoparticles: kinetics and isotherm studies for the removal of Cd ²⁺ metal ion. Desalination and Water Treatment, 2016, 57, 2081-2088. | 1.0 | 17 |
| 42 | Synthesis and characterization of Egg shell (ES) and Egg shell with membrane (ESM) modified by ionic liquids. Chemical Data Collections, 2021, 33, 100717. | 2.3 | 16 |
| 43 | Transient charging and discharging current studies on unstretched and stretched polypropylene films. Journal of Materials Science Letters, 2001, 20, 681-685. | 0.5 | 14 |
| 44 | Dye Removal From Waste Water Using Metal Organic Frameworks. , 2021, , 375-394. | | 5 |