

Alok Sinha

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,329
citations

430874

18
h-index

361022

35
g-index

62
all docs

62
docs citations

62
times ranked

1509
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Polycyclic aromatic hydrocarbons (PAHs) concentration levels, pattern, source identification and soil toxicity assessment in urban traffic soil of Dhanbad, India. <i>Science of the Total Environment</i> , 2016, 545-546, 353-360. | 8.0 | 201 |
| 2 | A review on synthesis, characterization, and applications of nano zero valent iron (nZVI) for environmental remediation. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 443-466. | 12.8 | 193 |
| 3 | Removal of ciprofloxacin using modified advanced oxidation processes: Kinetics, pathways and process optimization. <i>Journal of Cleaner Production</i> , 2018, 171, 1203-1214. | 9.3 | 149 |
| 4 | Human health risk analysis from disinfection by-products (DBPs) in drinking and bathing water of some Indian cities. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 73. | 3.0 | 58 |
| 5 | Public health risk assessment with bioaccessibility considerations for soil PAHs at oil refinery vicinity areas in India. <i>Science of the Total Environment</i> , 2018, 616-617, 1477-1484. | 8.0 | 48 |
| 6 | Health risk assessment and source study of PAHs from roadside soil dust of a heavy mining area in India. <i>Archives of Environmental and Occupational Health</i> , 2019, 74, 252-262. | 1.4 | 37 |
| 7 | Exploring Artificial Intelligence Techniques for Groundwater Quality Assessment. <i>Water (Switzerland)</i> , 2021, 13, 1172. | 2.7 | 37 |
| 8 | Biodegradation of anthracene by a newly isolated bacterial strain, <i>Bacillus thuringiensis</i> AT.ISM.1, isolated from a fly ash deposition site. <i>Letters in Applied Microbiology</i> , 2017, 65, 327-334. | 2.2 | 35 |
| 9 | Recent developments in surface modification of nano zero-valent iron (nZVI): Remediation, toxicity and environmental impacts. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100344. | 2.9 | 31 |
| 10 | Review on Treatment of Acid Mine Drainage with Waste Materials: A Novel Approach. <i>Global Nest Journal</i> , 2018, 20, 512-528. | 0.1 | 31 |
| 11 | Cancer Risk Assessment of Polycyclic Aromatic Hydrocarbons in the Soils and Sediments of India: A Meta-Analysis. <i>Environmental Management</i> , 2017, 60, 784-795. | 2.7 | 30 |
| 12 | Estimation of decrease in cancer risk by biodegradation of PAHs content from an urban traffic soil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 10373-10380. | 5.3 | 29 |
| 13 | Dimensionally stable anode (Ti/RuO ₂) mediated electro-oxidation and multi-response optimization study for remediation of coke-oven wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105025. | 6.7 | 29 |
| 14 | Role of Microorganisms in Permeable Reactive Bio-Barriers (PRBBs) for Environmental Clean-Up: A Review. <i>Global Nest Journal</i> , 2018, 20, 269-280. | 0.1 | 24 |
| 15 | Investigation and mapping of fluoride-endemic areas and associated health risk—A case study of Agra, Uttar Pradesh, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 590-604. | 3.4 | 23 |
| 16 | Fluoride contamination in Gharbar Village of Dhanbad District, Jharkhand, India: source identification and management. <i>Arabian Journal of Geosciences</i> , 2017, 10, 1. | 1.3 | 22 |
| 17 | Assessment of graphite electrode on the removal of anticancer drug cytarabine via indirect electrochemical oxidation process: Kinetics & pathway study. <i>Chemosphere</i> , 2020, 243, 125456. | 8.2 | 22 |
| 18 | Anaerobic hybrid membrane bioreactor for treatment of synthetic leachate: Impact of organic loading rate and sludge fractions on membrane fouling. <i>Waste Management</i> , 2020, 108, 41-50. | 7.4 | 22 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Biofilm development of <i>Bacillus thuringiensis</i> on MWCNT buckypaper: Adsorption-synergic biodegradation of phenanthrene. <i>Ecotoxicology and Environmental Safety</i> , 2018, 157, 327-334. | 6.0 | 21 |
| 20 | Profiling and Health Risk Assessment of PAHs Content in Tandoori and Tawa Bread from India. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 21-32. | 2.6 | 21 |
| 21 | Performance evaluation and substrate removal kinetics in an up-flow anaerobic hybrid membrane bioreactor treating simulated high-strength wastewater. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1071-1081. | 1.0 | 10 |
| 22 | Health risk assessment due to fluoride exposure from groundwater in rural areas of Agra, India: Monte Carlo simulation. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 3665-3676. | 3.5 | 18 |
| 23 | Interaction of 2,4,6-trichlorophenol with high carbon iron filings: Reaction and sorption mechanisms. <i>Journal of Hazardous Materials</i> , 2009, 164, 301-309. | 12.4 | 16 |
| 24 | Health Risk Assessment from Polycyclic Aromatic Hydrocarbons (PAHs) Present in Dietary Components: A Meta-analysis on a Global Scale. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 850-861. | 2.6 | 16 |
| 25 | Dehalogenation of 2-Chloronaphthalene by Cast Iron. <i>Water, Air, and Soil Pollution</i> , 2006, 172, 375-390. | 2.4 | 15 |
| 26 | Appraisal of groundwater arsenic on opposite banks of River Ganges, West Bengal, India, and quantification of cancer risk using Monte Carlo simulations. <i>Environmental Science and Pollution Research</i> , 2023, 30, 25205-25225. | 5.3 | 14 |
| 27 | High carbon iron filings (HCIF) and metal reducing bacteria (<i>Serratia</i> sp.) co-assisted Cr (VI) reduction: Kinetics, mechanism and longevity. <i>Journal of Environmental Management</i> , 2019, 236, 388-395. | 7.8 | 13 |
| 28 | Development of model for prediction of Leachate Pollution Index (LPI) in absence of leachate parameters. <i>Waste Management</i> , 2017, 63, 327-336. | 7.4 | 12 |
| 29 | Interaction of 2-chloronaphthalene with high carbon iron filings (HCIF): Adsorption, dehalogenation and mass transfer limitations. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 552-561. | 9.4 | 11 |
| 30 | Use of Basic Oxygen Furnace (BOF) Steel Slag for Acid Mine Drainage Treatment: A Laboratory Study. <i>Mine Water and the Environment</i> , 2019, 38, 517-527. | 2.0 | 10 |
| 31 | Polycyclic Aromatic Hydrocarbons (PAHs) Pollution Generated from Coal-Fired Thermal Power Plants: Formation Mechanism, Characterization, and Profiling. <i>Energy, Environment, and Sustainability</i> , 2019, , 73-90. | 1.0 | 10 |
| 32 | A Review on Membrane Fouling in Membrane Bioreactors: Control and Mitigation. <i>Energy, Environment, and Sustainability</i> , 2018, , 281-315. | 1.0 | 8 |
| 33 | Impact of Ammonia Nitrogen on COD Removal Efficiency in Anaerobic Hybrid Membrane Bioreactor Treating Synthetic Leachate. <i>International Journal of Environmental Research</i> , 2019, 13, 59-65. | 2.3 | 8 |
| 34 | A Durability Study of Jute Geotextile Treated with Bitumen Emulsion. <i>Journal of Natural Fibers</i> , 2021, 18, 400-418. | 3.1 | 8 |
| 35 | Interaction of Chloroethanes and Chloroethenes with Unrusted and Rusted High Carbon Iron Filings. <i>Environmental Engineering Science</i> , 2009, 26, 61-70. | 1.6 | 7 |
| 36 | 2-Chloronaphthalene Dehalogenation by High-Carbon Iron Filings: Formation of Corrosion Products on High-Carbon Iron Filings Surface. <i>Environmental Engineering Science</i> , 2011, 28, 701-710. | 1.6 | 7 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Modeling of 2-chloronaphthalene interaction with high carbon iron filings (HCIF) in semi-batch and continuous systems. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10442-10452. | 5.3 | 7 |
| 38 | Biphasic reduction model for predicting the impacts of dye-bath constituents on the reduction of tris-azo dye Direct Green-1 by zero valent iron (Fe ⁰). <i>Journal of Environmental Sciences</i> , 2017, 52, 160-169. | 6.1 | 7 |
| 39 | Modification, characterization and investigations of key factors controlling the transport of modified nano zero-valent iron (nZVI) in porous media. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1543-1556. | 2.2 | 7 |
| 40 | Assessment of <i>Serratia</i> sp. isolated from iron ore mine in hexavalent chromium reduction: kinetics, fate and variation in cellular morphology. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1117-1126. | 2.2 | 7 |
| 41 | Effect of Glucose Cometabolism on Biodegradation of Gabapentin (an Anticonvulsant Drug) by Gram-Positive Bacteria <i>Micrococcus luteus</i> N.ISM.1. <i>Applied Biochemistry and Microbiology</i> , 2020, 56, 433-440. | 0.9 | 6 |
| 42 | Phytoremediation of chromium(VI)-laden waste by <i>Eichhornia crassipes</i> . <i>International Journal of Environmental Technology and Management</i> , 2011, 14, 33. | 0.2 | 5 |
| 43 | Comparative Study for Reduction of Hexavalent Chromium by High Carbon Iron Filings and Electrolytic Iron: Mass Transfer Limitations. <i>Asian Journal of Chemistry</i> , 2015, 27, 1398-1402. | 0.3 | 4 |
| 44 | Zero valent iron-mediated rapid removal of bis-azo dye in solution amended with dyebath additives: Biphasic kinetics and modelling. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3281-3288. | 2.7 | 4 |
| 45 | Reductive transformation and enhancement in biodegradability of mono-azo dye by high carbon iron filings (HCIF). <i>Desalination and Water Treatment</i> , 2016, 57, 3205-3217. | 1.0 | 4 |
| 46 | Reductive dehalogenation of endosulfan by cast iron: Kinetics, pathways and modeling. <i>Chemosphere</i> , 2016, 150, 772-780. | 8.2 | 3 |
| 47 | Mononuclear metal (II) complexes of a Bis(organoamido)phosphate ligand with antimicrobial activities against <i>Escherichia coli</i> . <i>Applied Organometallic Chemistry</i> , 2017, 31, e3821. | 3.5 | 3 |
| 48 | Assessment of hazard on human health and aquatic life in acid mine drainage treated with novel technique. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1925-1941. | 3.4 | 3 |
| 49 | Performance evaluation and organic mass balance for treatment of high strength wastewater by anaerobic hybrid membrane bioreactor. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13311. | 2.3 | 3 |
| 50 | Performance enhancement and optimization of the anammox process with the addition of iron. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 4158-4169. | 2.2 | 3 |
| 51 | Health risk assessment due to fluoride contamination in groundwater of Bichpuri, Agra, India: a case study. <i>Modeling Earth Systems and Environment</i> , 2022, 8, 299-307. | 3.4 | 3 |
| 52 | Effective scrap iron particles (SIP) pre-treatment for complete mineralization of benzidine based azo dye effluent. <i>Arabian Journal of Chemistry</i> , 2020, 13, 134-145. | 4.9 | 2 |
| 53 | Discussion on the technical note entitled, "public health risk assessment following exposure to PAH-contaminated soils - specific considerations for bioaccessibility and other exposure parameters". <i>Science of the Total Environment</i> , 2019, 656, 1448-1451. | 8.0 | 1 |
| 54 | A Study on Different Bioremediation Approaches to Hexavalent Chromium. <i>Energy, Environment, and Sustainability</i> , 2021, , 57-74. | 1.0 | 1 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Impact Assessment of Mixed Liquor Suspended Solids from Polyurethane Media Effluent on Ceramic Membrane Fouling in Anaerobic Hybrid Membrane Bioreactor. <i>Journal of Environmental Engineering, ASCE</i> , 2022, 148, . | 1.4 | 1 |
| 56 | A mathematical approach to evaluate the extent of groundwater contamination using polynomial approximation. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 6070-6082. | 2.1 | 1 |
| 57 | Impacts of dyebath auxiliaries on the reductive discoloration of Acid Orange 7 dye by high-carbon iron filings. <i>Water Science and Technology</i> , 2016, 74, 1217-1226. | 2.5 | 0 |
| 58 | Modeling the impacts of corrosion product formation on simultaneous sorption and reductive dehalogenation of organochlorine pesticide aldrin by high carbon iron filings (HCIF). <i>Desalination and Water Treatment</i> , 2016, 57, 7155-7165. | 1.0 | 0 |
| 59 | Modeling cometabolism of hexavalent chromium by iron reducing bacteria in tertiary substrate system. <i>Scientific Reports</i> , 2021, 11, 10864. | 3.3 | 0 |
| 60 | Degradation of Heptachlor by High-Carbon Iron Filings (HCIF). <i>Water Science and Technology Library</i> , 2018, , 217-222. | 0.3 | 0 |
| 61 | ABATEMENT OF ANTICANCER DRUGS VIA ELECTROCHEMICAL OXIDATION PROCESS: A REVIEW. , 2020, , 1-4. | | 0 |
| 62 | Performance of jute geotextile treated with bitumen emulsion for subgrade improvement. <i>Arabian Journal of Geosciences</i> , 2022, 15, . | 1.3 | 0 |