

Giusy Lofrano

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

4,511
citations

159525

30
h-index

128225

60
g-index

67
all docs

67
docs citations

67
times ranked

6199
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Characteristics and adsorption capacities of low-cost sorbents for wastewater treatment: A review. <i>Sustainable Materials and Technologies</i> , 2016, 9, 10-40. | 1.7 | 932 |
| 2 | Biomass-derived biosorbents for metal ions sequestration: Adsorbent modification and activation methods and adsorbent regeneration. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 239-259. | 3.3 | 395 |
| 3 | Chemical and biological treatment technologies for leather tannery chemicals and wastewaters: A review. <i>Science of the Total Environment</i> , 2013, 461-462, 265-281. | 3.9 | 393 |
| 4 | Polymer functionalized nanocomposites for metals removal from water and wastewater: An overview. <i>Water Research</i> , 2016, 92, 22-37. | 5.3 | 289 |
| 5 | Review on endocrine disrupting-emerging compounds in urban wastewater: occurrence and removal by photocatalysis and ultrasonic irradiation for wastewater reuse. <i>Desalination</i> , 2007, 215, 166-176. | 4.0 | 239 |
| 6 | Wastewater management through the ages: A history of mankind. <i>Science of the Total Environment</i> , 2010, 408, 5254-5264. | 3.9 | 194 |
| 7 | Removal of Emerging Contaminants from Water and Wastewater by Adsorption Process. <i>Springer Briefs in Molecular Science</i> , 2012, , 15-37. | 0.1 | 144 |
| 8 | Photocatalytic degradation of the antibiotic chloramphenicol and effluent toxicity effects. <i>Ecotoxicology and Environmental Safety</i> , 2016, 123, 65-71. | 2.9 | 112 |
| 9 | Effects of nanoparticles in species of aquaculture interest. <i>Environmental Science and Pollution Research</i> , 2017, 24, 17326-17346. | 2.7 | 109 |
| 10 | Pre-treatment of olive mill wastewater by chitosan coagulation and advanced oxidation processes. <i>Separation and Purification Technology</i> , 2008, 63, 648-653. | 3.9 | 106 |
| 11 | In situ remediation of contaminated marinesediment: an overview. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5189-5206. | 2.7 | 77 |
| 12 | Advanced Oxidation Processes for Antibiotics Removal: A Review. <i>Current Organic Chemistry</i> , 2017, 21, 1054-1067. | 0.9 | 75 |
| 13 | Advanced oxidation of catechol: A comparison among photocatalysis, Fenton and photo-Fenton processes. <i>Desalination</i> , 2009, 249, 878-883. | 4.0 | 73 |
| 14 | Antibiotic contaminated water treated by photo driven advanced oxidation processes: Ultraviolet/H ₂ O ₂ vs ultraviolet/peracetic acid. <i>Journal of Cleaner Production</i> , 2018, 205, 67-75. | 4.6 | 63 |
| 15 | Levels and toxicity of polycyclic aromatic hydrocarbons in marine sediments. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 653-664. | 5.8 | 60 |
| 16 | Vegetable and synthetic tannins induce hormesis/toxicity in sea urchin early development and in algal growth. <i>Environmental Pollution</i> , 2007, 146, 46-54. | 3.7 | 57 |
| 17 | Opinion paper about organic trace pollutants in wastewater: Toxicity assessment in a European perspective. <i>Science of the Total Environment</i> , 2019, 651, 3202-3221. | 3.9 | 57 |
| 18 | Crystal violet and toxicity removal by adsorption and simultaneous photocatalysis in a continuous flow micro-reactor. <i>Science of the Total Environment</i> , 2018, 644, 430-438. | 3.9 | 49 |

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|----|--|-----|-----------|
| 19 | Fabrication, functionalization and performance of doped photocatalysts for dye degradation and mineralization: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1825-1903. | 8.3 | 49 |
| 20 | Toxicity assessment within the application of in situ contaminated sediment remediation technologies: A review. <i>Science of the Total Environment</i> , 2018, 621, 85-94. | 3.9 | 48 |
| 21 | Municipal wastewater spiramycin removal by conventional treatments and heterogeneous photocatalysis. <i>Science of the Total Environment</i> , 2018, 624, 461-469. | 3.9 | 47 |
| 22 | Fenton's oxidation of various-based tanning materials. <i>Desalination</i> , 2007, 211, 10-21. | 4.0 | 46 |
| 23 | Preparation of activated carbon from Alligator weed (<i>Alternanthera philoxeroides</i>) and its application for tartrazine removal: Isotherm, kinetics and spectroscopic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2560-2568. | 3.3 | 46 |
| 24 | Effects of ZnO nanoparticles in the Caspian roach (<i>Rutilus rutilus caspicus</i>). <i>Science of the Total Environment</i> , 2018, 626, 30-41. | 3.9 | 46 |
| 25 | A comprehensive approach to winery wastewater treatment: a review of the state-of-the-art. <i>Desalination and Water Treatment</i> , 2016, 57, 3011-3028. | 1.0 | 43 |
| 26 | Characterization, Fluxes and Toxicity of Leather Tanning Bath Chemicals in a Large Tanning District Area (IT). <i>Water, Air and Soil Pollution</i> , 2008, 8, 529-542. | 0.8 | 37 |
| 27 | Inactivation of <i>Escherichia coli</i> and Enterococci in urban wastewater by sunlight/PAA and sunlight/H ₂ O ₂ processes. <i>Chemical Engineering Research and Design</i> , 2016, 104, 178-184. | 2.7 | 37 |
| 28 | Olive Mill and Winery Wastewaters Pre-Treatment by Coagulation with Chitosan. <i>Separation Science and Technology</i> , 2010, 45, 2447-2452. | 1.3 | 35 |
| 29 | Fenton oxidation treatment of tannery wastewater and tanning agents: synthetic tannin and nonylphenol ethoxylate based degreasing agent. <i>Desalination and Water Treatment</i> , 2010, 23, 173-180. | 1.0 | 35 |
| 30 | Antibiotic effects on seed germination and root development of tomato (<i>Solanum lycopersicum</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 135-141. | 2.9 | 30 |
| 31 | Biomonitoring of nutrient and toxic element concentrations in the Sarno River through aquatic plants. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 520-527. | 2.9 | 29 |
| 32 | Atrazine Removal in Municipal Secondary Effluents by Fenton and Photo-Fenton Treatments. <i>Chemical Engineering and Technology</i> , 2013, 36, 2155-2162. | 0.9 | 26 |
| 33 | Degradation of anionic azo dyes in aqueous solution using a continuous flow photocatalytic packed-bed reactor: Influence of water matrix and toxicity evaluation. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104549. | 3.3 | 23 |
| 34 | Optimization of analytical methods for the determination of DBPs: Application to drinking waters from Greece and Italy. <i>Desalination</i> , 2005, 176, 25-36. | 4.0 | 22 |
| 35 | An integrated chemical and ecotoxicological assessment for the photocatalytic degradation of vancomycin. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1234-1242. | 1.2 | 22 |
| 36 | Nonylphenol deca-ethoxylate removal from wastewater by UV/H ₂ O ₂ : Degradation kinetics and toxicity effects. <i>Chemical Engineering Research and Design</i> , 2019, 124, 1-7. | 2.7 | 22 |

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|----|---|-----|-----------|
| 37 | Assessment of the relative sensitivity of the copepods <i>Acartia tonsa</i> and <i>Acartia clausi</i> exposed to sediment-derived elutriates from the Bagnoli-Coroglio industrial area. <i>Marine Environmental Research</i> , 2020, 155, 104878. | 1.1 | 22 |
| 38 | Metals and tributyltin sediment contamination along the Southeastern Tyrrhenian Sea coast. <i>Chemosphere</i> , 2016, 144, 399-407. | 4.2 | 20 |
| 39 | Which lesson can be learnt from a historical contamination analysis of the most polluted river in Europe?. <i>Science of the Total Environment</i> , 2015, 524-525, 246-259. | 3.9 | 19 |
| 40 | Water Collection and Distribution Systems in the Palermo Plain during the Middle Ages. <i>Water (Switzerland)</i> , 2013, 5, 1662-1676. | 1.2 | 16 |
| 41 | Simulating the fate of indigenous antibiotic resistant bacteria in a mild slope wastewater polluted stream. <i>Journal of Environmental Sciences</i> , 2018, 69, 95-104. | 3.2 | 16 |
| 42 | Health Risk and Geochemical Assessment of Trace Elements in Surface Sediment along the Hooghly (Ganges) River Estuary (India). <i>Water (Switzerland)</i> , 2021, 13, 110. | 1.2 | 16 |
| 43 | Treatment of reactive dyes and textile finishing wastewater using Fenton's oxidation for reuse. <i>International Journal of Environment and Pollution</i> , 2005, 23, 248. | 0.2 | 15 |
| 44 | A Comparative Assessment of Analytical Fate and Transport Models of Organic Contaminants in Unsaturated Soils. <i>Sustainability</i> , 2020, 12, 2949. | 1.6 | 15 |
| 45 | Long-term multi-endpoint exposure of the microalga <i>Raphidocelis subcapitata</i> to lanthanum and cerium. <i>Science of the Total Environment</i> , 2021, 790, 148229. | 3.9 | 15 |
| 46 | Marine sediment toxicity: A focus on micro- and mesocosms towards remediation. <i>Science of the Total Environment</i> , 2020, 708, 134837. | 3.9 | 14 |
| 47 | A review of plant-based coagulants for turbidity and cyanobacteria blooms removal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 42601-42615. | 2.7 | 13 |
| 48 | Emerging Concern from Short-Term Textile Leaching: A Preliminary Ecotoxicological Survey. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 646-652. | 1.3 | 12 |
| 49 | Comparative toxicity of ionic and nanoparticulate zinc in the species <i>Cymodoce truncata</i> , <i>Gammarus aequicauda</i> and <i>Paracentrotus lividus</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 42891-42900. | 2.7 | 11 |
| 50 | Nano Based Photocatalytic Degradation of Pharmaceuticals. , 2017, , 221-238. | | 10 |
| 51 | Cerium, gadolinium, lanthanum, and neodymium effects in simplified acid mine discharges to <i>Raphidocelis subcapitata</i> , <i>Lepidium sativum</i> , and <i>Vicia faba</i> . <i>Science of the Total Environment</i> , 2021, 787, 147527. | 3.9 | 8 |
| 52 | Sustainable wastewater management in developing countries: are constructed wetlands a feasible approach for wastewater reuse?. <i>International Journal of Environment and Pollution</i> , 2008, 33, 82. | 0.2 | 7 |
| 53 | Ecotoxicological survey of MNEI and Y65R-MNEI proteins as new potential high-intensity sweeteners. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9734-9740. | 2.7 | 7 |
| 54 | A REVIEW ON OCCURRENCE, MEASUREMENT, TOXICITY AND TANNIN REMOVAL PROCESSES FROM WASTEWATERS. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 109-123. | 0.2 | 7 |

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|----|--|-----|-----------|
| 55 | Photocatalytic ZnO-Assisted Degradation of Spiramycin in Urban Wastewater: Degradation Kinetics and Toxicity. <i>Water (Switzerland)</i> , 2021, 13, 1051. | 1.2 | 6 |
| 56 | Removal of divalent nickel from aqueous solutions using <i>Carissa carandas</i> and <i>Syzygium aromaticum</i> : isothermal studies and kinetic modelling. <i>Applied Water Science</i> , 2017, 7, 1855-1868. | 2.8 | 5 |
| 57 | A rainfall data analysis for the archeological drawing of the Augustan aqueduct route. <i>Journal of Cultural Heritage</i> , 2016, 19, 395-401. | 1.5 | 3 |
| 58 | Toxicity assessment of wastewater after advanced oxidation processes for emerging contaminants' degradation. , 2020, , 195-211. | | 3 |
| 59 | CHAPTER 12. Heavy Metals in Tannery Wastewater and Sludge: Environmental Concerns and Future Challenges. , 2014, , 249-260. | | 2 |
| 60 | Adsorptive Behaviour, Isothermal and Kinetic Modeling Studies in Removal of Copper, Nickel, Zinc and Lead from Aqueous Solutions using <i>Carissa carandas</i> and <i>Syzygium aromaticum</i> : A Comparative Analysis. <i>Asian Journal of Chemistry</i> , 2016, 28, 1903-1907. | 0.1 | 2 |
| 61 | Multi-endpoint effects of derelict tubular mussel plastic nets on <i>Tigriopus fulvus</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 83554-83566. | 2.7 | 2 |
| 62 | Water Pathways Through the Ages: From Early Aqueducts to Next Generation of Wastewater Treatment Plants. , 2012, , 37-54. | | 1 |
| 63 | Overview of Wastewater Management through the Ages. , 2015, , . | | 1 |
| 64 | Adsorptive behavior, isothermal studies and kinetic modeling involved in removal of divalent lead from aqueous solutions, using <i>Carissa carandas</i> and <i>Syzygium aromaticum</i> . <i>Cogent Environmental Science</i> , 2016, 2, 1218993. | 1.6 | 1 |
| 65 | From the Middle Ages to 19th century: a journey into the water system of Palermo (Italy). <i>International Journal of Global Environmental Issues</i> , 2015, 14, 296. | 0.1 | 0 |