

Hrissi K Karapanagioti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2536948/publications.pdf>

Version: 2024-02-01

69
papers

4,581
citations

186265

28
h-index

106344

65
g-index

73
all docs

73
docs citations

73
times ranked

5303
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Classify plastic waste as hazardous. <i>Nature</i> , 2013, 494, 169-171. | 27.8 | 1,203 |
| 2 | International Pellet Watch: Global monitoring of persistent organic pollutants (POPs) in coastal waters. 1. Initial phase data on PCBs, DDTs, and HCHs. <i>Marine Pollution Bulletin</i> , 2009, 58, 1437-1446. | 5.0 | 541 |
| 3 | Surface properties of beached plastic pellets. <i>Marine Environmental Research</i> , 2012, 81, 70-77. | 2.5 | 255 |
| 4 | The degradation potential of PET bottles in the marine environment: An ATR-FTIR based approach. <i>Scientific Reports</i> , 2016, 6, 23501. | 3.3 | 220 |
| 5 | Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Equilibrium and Kinetic Studies with Aquifer Material. <i>Environmental Science & Technology</i> , 2000, 34, 406-414. | 10.0 | 185 |
| 6 | Testing phenanthrene distribution properties of virgin plastic pellets and plastic eroded pellets found on Lesbos island beaches (Greece). <i>Marine Environmental Research</i> , 2008, 65, 283-290. | 2.5 | 172 |
| 7 | Diffuse pollution by persistent organic pollutants as measured in plastic pellets sampled from various beaches in Greece. <i>Marine Pollution Bulletin</i> , 2011, 62, 312-317. | 5.0 | 167 |
| 8 | Magnetite impregnation effects on the sorbent properties of activated carbons and biochars. <i>Water Research</i> , 2015, 70, 394-403. | 11.3 | 160 |
| 9 | Micro(nanoplastics) in the marine environment: Current knowledge and gaps. <i>Current Opinion in Environmental Science and Health</i> , 2018, 1, 47-51. | 4.1 | 132 |
| 10 | Evaluating phenanthrene sorption on various wood chars. <i>Water Research</i> , 2005, 39, 549-558. | 11.3 | 104 |
| 11 | Phenanthrene and Pyrene Sorption and Intraparticle Diffusion in Polyoxymethylene, Coke, and Activated Carbonâ€. <i>Environmental Science & Technology</i> , 2005, 39, 6516-6526. | 10.0 | 102 |
| 12 | Surface properties of beached plastics. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11022-11032. | 5.3 | 86 |
| 13 | Degradation of PAHs by high frequency ultrasound. <i>Water Research</i> , 2011, 45, 2587-2594. | 11.3 | 81 |
| 14 | Removal of mercury from aqueous solutions by malt spent rootlets. <i>Chemical Engineering Journal</i> , 2012, 213, 135-141. | 12.7 | 66 |
| 15 | Levels and fate of perfluoroalkyl substances in beached plastic pellets and sediments collected from Greece. <i>Marine Pollution Bulletin</i> , 2014, 87, 286-291. | 5.0 | 65 |
| 16 | Degradation of Various Plastics in the Environment. <i>Handbook of Environmental Chemistry</i> , 2017, , 71-92. | 0.4 | 64 |
| 17 | Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Different Soil and Sediment Samples. <i>Environmental Science & Technology</i> , 2001, 35, 4684-4690. | 10.0 | 62 |
| 18 | Partitioning of hydrophobic organic chemicals (HOC) into anionic and cationic surfactant-modified sorbents. <i>Water Research</i> , 2005, 39, 699-709. | 11.3 | 54 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Preparation and Characterization of Biochar Sorbents Produced from Malt Spent Rootlets. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 9577-9584. | 3.7 | 53 |
| 20 | Aqueous Mercury Sorption by Biochar from Malt Spent Rootlets. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1. | 2.4 | 51 |
| 21 | A critical evaluation of magnetic activated carbon's potential for the remediation of sediment impacted by polycyclic aromatic hydrocarbons. <i>Journal of Hazardous Materials</i> , 2015, 286, 41-47. | 12.4 | 51 |
| 22 | Model coupling intraparticle diffusion/sorption, nonlinear sorption, and biodegradation processes. <i>Journal of Contaminant Hydrology</i> , 2001, 48, 1-21. | 3.3 | 38 |
| 23 | Transport of hydrocarbons from an emplaced fuel source experiment in the vadose zone at Airbase VÅrlÅse, Denmark. <i>Journal of Contaminant Hydrology</i> , 2005, 81, 1-33. | 3.3 | 38 |
| 24 | Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Different Aquifer Depths. <i>Environmental Science & Technology</i> , 2000, 34, 2453-2460. | 10.0 | 37 |
| 25 | Application of nuclear techniques to environmental plastics research. <i>Journal of Environmental Radioactivity</i> , 2018, 192, 368-375. | 1.7 | 36 |
| 26 | Responses of <i>Lumbriculus variegatus</i> to Activated Carbon Amendments in Uncontaminated Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 12895-12903. | 10.0 | 33 |
| 27 | The kinetic of dyes degradation resulted from food industry in wastewater using high frequency of ultrasound. <i>Separation and Purification Technology</i> , 2014, 135, 42-47. | 7.9 | 32 |
| 28 | Modeling attenuation of volatile organic mixtures in the unsaturated zone: codes and usage. <i>Environmental Modelling and Software</i> , 2003, 18, 329-337. | 4.5 | 31 |
| 29 | Microplastics formation based on degradation characteristics of beached plastic bags. <i>Marine Pollution Bulletin</i> , 2021, 169, 112470. | 5.0 | 30 |
| 30 | Phenanthrene removal from aqueous solutions using well-characterized, raw, chemically treated, and charred malt spent rootlets, a food industry by-product. <i>Journal of Environmental Management</i> , 2013, 128, 252-258. | 7.8 | 28 |
| 31 | Questionnaire-based survey to managers of 101 wastewater treatment plants in Greece confirms their potential as plastic marine litter sources. <i>Marine Pollution Bulletin</i> , 2018, 133, 822-827. | 5.0 | 26 |
| 32 | Microplastics in Agricultural Soils: A Case Study in Cultivation of Watermelons and Canning Tomatoes. <i>Water (Switzerland)</i> , 2021, 13, 2168. | 2.7 | 24 |
| 33 | Aqueous phenanthrene toxicity after high-frequency ultrasound degradation. <i>Aquatic Toxicology</i> , 2014, 147, 32-40. | 4.0 | 23 |
| 34 | Characteristics of microplastics on two beaches affected by different land uses in Salamina Island in Saronikos Gulf, east Mediterranean. <i>Marine Pollution Bulletin</i> , 2019, 149, 110531. | 5.0 | 22 |
| 35 | Comment on "Modeling Maximum Adsorption Capacities of Soot and Soot-like Materials for PAHs and PCBs": <i>Environmental Science & Technology</i> , 2005, 39, 381-382. | 10.0 | 20 |
| 36 | Reactive transport of volatile organic compound mixtures in the unsaturated zone: modeling and tuning with lysimeter data. <i>Environmental Modelling and Software</i> , 2004, 19, 435-450. | 4.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Assessing the effect of grain-scale sorption rate limitations on the fate of hydrophobic organic groundwater pollutants. <i>Journal of Contaminant Hydrology</i> , 2012, 129-130, 70-79. | 3.3 | 18 |
| 38 | Stabilization/Solidification of Hazardous Metals from Solid Wastes into Ceramics. <i>Waste and Biomass Valorization</i> , 2017, 8, 1863-1874. | 3.4 | 18 |
| 39 | Oxidation of municipal wastewater by free radicals mechanism. A UV/Vis spectroscopy study. <i>Journal of Environmental Management</i> , 2017, 195, 186-194. | 7.8 | 18 |
| 40 | Phenanthrene sorption with heterogeneous organic matter in a landfill aquifer material. <i>Physics and Chemistry of the Earth</i> , 1999, 24, 535-541. | 0.3 | 17 |
| 41 | Modeling multicomponent NAPL transport in the unsaturated zone with the constituent averaging technique. <i>Advances in Water Resources</i> , 2002, 25, 723-732. | 3.8 | 17 |
| 42 | Effect of chloride and nitrate salts on Hg(^{II}) sorption by raw and pyrolyzed malt spent rootlets. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1912-1918. | 3.2 | 16 |
| 43 | Removal of phenanthrene from saltwater solutions using activated carbon. <i>Desalination</i> , 2007, 210, 274-280. | 8.2 | 15 |
| 44 | Hyper sorption capacity of raw and oxidized biochars from various feedstocks for U(VI). <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103932. | 6.7 | 14 |
| 45 | Treatment of low-strength municipal wastewater containing phenanthrene using activated sludge and biofilm process. <i>Desalination and Water Treatment</i> , 2016, 57, 12047-12057. | 1.0 | 12 |
| 46 | Advanced Analytical Techniques for Assessing the Chemical Compounds Related to Microplastics. <i>Comprehensive Analytical Chemistry</i> , 2017, 75, 209-240. | 1.3 | 12 |
| 47 | Studying the Formation of Biofilms on Supports with Different Polarity and Their Efficiency to Treat Wastewater. <i>Journal of Chemistry</i> , 2015, 2015, 1-7. | 1.9 | 10 |
| 48 | Comparison of methods for the characterization and quantification of carbon forms in estuarine and marine sediments from coal mining regions. <i>Organic Geochemistry</i> , 2013, 59, 61-74. | 1.8 | 9 |
| 49 | Evaluating Charcoal Presence in Sediments and its Effect on Phenanthrene Sorption. <i>Water, Air and Soil Pollution</i> , 2004, 4, 359-373. | 0.8 | 8 |
| 50 | Treatment efficiency and sludge characteristics in conventional and suspended PVA gel beads activated sludge treating Cr (VI) containing wastewater. <i>Desalination and Water Treatment</i> , 2010, 23, 199-205. | 1.0 | 8 |
| 51 | Surface Water and Groundwater Sources for Drinking Water. <i>Handbook of Environmental Chemistry</i> , 2017, , 1-19. | 0.4 | 8 |
| 52 | Using diffuse reflectance spectroscopy (DRS) technique for studying biofilm formation on LDPE and PET surfaces: laboratory and field experiments. <i>Environmental Science and Pollution Research</i> , 2020, 27, 12055-12064. | 5.3 | 8 |
| 53 | Evaluation of peat and lignite phenanthrene sorption properties in relation to coal petrography: The impact of inertinite. <i>International Journal of Coal Geology</i> , 2006, 68, 30-38. | 5.0 | 7 |
| 54 | Sorption of Hydrophobic Organic Compounds to Plastics in the Marine Environment: Sorption and Desorption Kinetics. <i>Handbook of Environmental Chemistry</i> , 2018, , 205-219. | 0.4 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Conclusions of "Hazardous Chemicals Associated with Plastics in Environment"; Handbook of Environmental Chemistry, 2018, , 297-305. | 0.4 | 6 |
| 56 | Alcohol and Dilution Water Characteristics in Distilled Anis (Ouzo). Journal of Agricultural and Food Chemistry, 2014, 62, 4932-4937. | 5.2 | 5 |
| 57 | Physicochemical and Toxicological Assay of Leachate from Malt Spent Rootlets Biochar. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 634-641. | 2.7 | 5 |
| 58 | Removal of methylene blue from water by food industry by-products and biochars. , 0, 103, 113-121. | | 5 |
| 59 | Measuring the Size and the Charge of Microplastics in Aqueous Suspensions With and Without Microorganisms Using a Zeta-Sizer Meter. Springer Water, 2020, , 250-254. | 0.3 | 5 |
| 60 | Effect of ammonoxidation on lignite properties. Environmental Chemistry Letters, 2010, 8, 373-380. | 16.2 | 4 |
| 61 | Special Issue on Sorption and Transport Processes Affecting the Fate of Environmental Pollutants in the Subsurface. Journal of Contaminant Hydrology, 2012, 129-130, 1. | 3.3 | 4 |
| 62 | Reply to comment on "Model coupling intraparticle diffusion/sorption, nonlinear sorption, and biodegradation processes" by H. Basagaoglu, T.R. Ginn, and B.J. McCoy. Journal of Contaminant Hydrology, 2002, 57, 311-317. | 3.3 | 3 |
| 63 | Diffusive partitioning tracer test for the quantification of nonaqueous phase liquid (NAPL) in the vadose zone: Performance evaluation for heterogeneous NAPL distribution. Journal of Contaminant Hydrology, 2009, 108, 54-63. | 3.3 | 3 |
| 64 | In Focus: Novel Sorbents for Environmental Remediation. Journal of Chemical Technology and Biotechnology, 2017, 92, 1861-1861. | 3.2 | 3 |
| 65 | Microplastics in Water Bodies and in the Environment. Water (Switzerland), 2022, 14, 1324. | 2.7 | 3 |
| 66 | Concentrations of persistent organic pollutants and organic matter characteristics as river sediment quality indices. Toxicological and Environmental Chemistry, 0, , 1-13. | 1.2 | 2 |
| 67 | Ammonia removal properties of lightweight aggregates from Si "Al" Fe and Si "Ca rocks. Environmental Chemistry Letters, 2010, 8, 355-361. | 16.2 | 1 |
| 68 | Sorption of Pollutants on Microplastics. , 2022, , 1-13. | | 0 |
| 69 | Sorption of Pollutants on Microplastics. , 2022, , 517-529. | | 0 |