Hrissi K Karapanagioti

List of Publications by Year
in descending order

69	4,581	186209 28	106281 65
papers	citations	h-index	g-index

73	73	73	5303
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classify plastic waste as hazardous. Nature, 2013, 494, 169-171.	13.7	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. Marine Pollution Bulletin, 2009, 58, 1437-1446.	2.3	541
3	Surface properties of beached plastic pellets. Marine Environmental Research, 2012, 81, 70-77.	1.1	255
4	The degradation potential of PET bottles in the marine environment: An ATR-FTIR based approach. Scientific Reports, 2016, 6, 23501.	1.6	220
5	Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Equilibrium and Kinetic Studies with Aquifer Material. Environmental Science & Technology, 2000, 34, 406-414.	4.6	185
6	Testing phenanthrene distribution properties of virgin plastic pellets and plastic eroded pellets found on Lesvos island beaches (Greece). Marine Environmental Research, 2008, 65, 283-290.	1.1	172
7	Diffuse pollution by persistent organic pollutants as measured in plastic pellets sampled from various beaches in Greece. Marine Pollution Bulletin, 2011, 62, 312-317.	2.3	167
8	Magnetite impregnation effects on the sorbent properties of activated carbons and biochars. Water Research, 2015, 70, 394-403.	5.3	160
9	Micro(nanoplastics) in the marine environment: Current knowledge and gaps. Current Opinion in Environmental Science and Health, 2018, 1, 47-51.	2.1	132
10	Evaluating phenanthrene sorption on various wood chars. Water Research, 2005, 39, 549-558.	5.3	104
11	Phenanthrene and Pyrene Sorption and Intraparticle Diffusion in Polyoxymethylene, Coke, and Activated Carbonâ€. Environmental Science & Technology, 2005, 39, 6516-6526.	4.6	102
12	Surface properties of beached plastics. Environmental Science and Pollution Research, 2015, 22, 11022-11032.	2.7	86
13	Degradation of PAHs by high frequency ultrasound. Water Research, 2011, 45, 2587-2594.	5.3	81
14	Removal of mercury from aqueous solutions by malt spent rootlets. Chemical Engineering Journal, 2012, 213, 135-141.	6.6	66
15	Levels and fate of perfluoroalkyl substances in beached plastic pellets and sediments collected from Greece. Marine Pollution Bulletin, 2014, 87, 286-291.	2.3	65
16	Degradation of Various Plastics in the Environment. Handbook of Environmental Chemistry, 2017, , 71-92.	0.2	64
17	Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Different Soil and Sediment Samples. Environmental Science & Technology, 2001, 35, 4684-4690.	4.6	62
18	Partitioning of hydrophobic organic chemicals (HOC) into anionic and cationic surfactant-modified sorbents. Water Research, 2005, 39, 699-709.	5.3	54

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19	Preparation and Characterization of Biochar Sorbents Produced from Malt Spent Rootlets. Industrial & Engineering Chemistry Research, 2015, 54, 9577-9584.	1.8	53
20	Aqueous Mercury Sorption by Biochar from Malt Spent Rootlets. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	51
21	A critical evaluation of magnetic activated carbonâ€™s potential for the remediation of sediment impacted by polycyclic aromatic hydrocarbons. Journal of Hazardous Materials, 2015, 286, 41-47.	6.5	51
22	Model coupling intraparticle diffusion/sorption, nonlinear sorption, and biodegradation processes. Journal of Contaminant Hydrology, 2001, 48, 1-21.	1.6	38
23	Transport of hydrocarbons from an emplaced fuel source experiment in the vadose zone at Airbase VÃ¦rlÃ¸se, Denmark. Journal of Contaminant Hydrology, 2005, 81, 1-33.	1.6	38
24	Impacts of Heterogeneous Organic Matter on Phenanthrene Sorption:Â Different Aquifer Depths. Environmental Science & Technology, 2000, 34, 2453-2460.	4.6	37
25	Application of nuclear techniques to environmental plastics research. Journal of Environmental Radioactivity, 2018, 192, 368-375.	0.9	36
26	Responses of Lumbriculus variegatus to Activated Carbon Amendments in Uncontaminated Sediments. Environmental Science & Technology, 2012, 46, 12895-12903.	4.6	33
27	The kinetic of dyes degradation resulted from food industry in wastewater using high frequency of ultrasound. Separation and Purification Technology, 2014, 135, 42-47.	3.9	32
28	Modeling attenuation of volatile organic mixtures in the unsaturated zone: codes and usage. Environmental Modelling and Software, 2003, 18, 329-337.	1.9	31
29	Microplastics formation based on degradation characteristics of beached plastic bags. Marine Pollution Bulletin, 2021, 169, 112470.	2.3	30
30	Phenanthrene removal from aqueous solutions using well-characterized, raw, chemically treated, and charred malt spent rootlets, a food industry by-product. Journal of Environmental Management, 2013, 128, 252-258.	3.8	28
31	Questionnaire-based survey to managers of 101 wastewater treatment plants in Greece confirms their potential as plastic marine litter sources. Marine Pollution Bulletin, 2018, 133, 822-827.	2.3	26
32	Microplastics in Agricultural Soils: A Case Study in Cultivation of Watermelons and Canning Tomatoes. Water (Switzerland), 2021, 13, 2168.	1.2	24
33	Aqueous phenanthrene toxicity after high-frequency ultrasound degradation. Aquatic Toxicology, 2014, 147, 32-40.	1.9	23
34	Characteristics of microplastics on two beaches affected by different land uses in Salamina Island in Saronikos Gulf, east Mediterranean. Marine Pollution Bulletin, 2019, 149, 110531.	2.3	22
35	Comment on â€œModeling Maximum Adsorption Capacities of Soot and Soot-like Materials for PAHs and PCBsâ€• Environmental Science & Technology, 2005, 39, 381-382.	4.6	20
36	Reactive transport of volatile organic compound mixtures in the unsaturated zone: modeling and tuning with lysimeter data. Environmental Modelling and Software, 2004, 19, 435-450.	1.9	18

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37	Assessing the effect of grain-scale sorption rate limitations on the fate of hydrophobic organic groundwater pollutants. Journal of Contaminant Hydrology, 2012, 129-130, 70-79.	1.6	18
38	Stabilization/Solidification of Hazardous Metals from Solid Wastes into Ceramics. Waste and Biomass Valorization, 2017, 8, 1863-1874.	1.8	18
39	Oxidation of municipal wastewater by free radicals mechanism. A UV/Vis spectroscopy study. Journal of Environmental Management, 2017, 195, 186-194.	3.8	18
40	Phenanthrene sorption with heterogeneous organic matter in a landfill aquifer material. Physics and Chemistry of the Earth, 1999, 24, 535-541.	0.3	17
41	Modeling multicomponent NAPL transport in the unsaturated zone with the constituent averaging technique. Advances in Water Resources, 2002, 25, 723-732.	1.7	17
42	Effect of chloride and nitrate salts on Hg(<scp>II</scp>) sorption by raw and pyrolyzed malt spent rootlets. Journal of Chemical Technology and Biotechnology, 2017, 92, 1912-1918.	1.6	16
43	Removal of phenanthrene from saltwater solutions using activated carbon. Desalination, 2007, 210, 274-280.	4.0	15
44	Hyper sorption capacity of raw and oxidized biochars from various feedstocks for U(VI). Journal of Environmental Chemical Engineering, 2020, 8, 103932.	3.3	14
45	Treatment of low-strength municipal wastewater containing phenanthrene using activated sludge and biofilm process. Desalination and Water Treatment, 2016, 57, 12047-12057.	1.0	12
46	Advanced Analytical Techniques for Assessing the Chemical Compounds Related to Microplastics. Comprehensive Analytical Chemistry, 2017, 75, 209-240.	0.7	12
47	Studying the Formation of Biofilms on Supports with Different Polarity and Their Efficiency to Treat Wastewater. Journal of Chemistry, 2015, 2015, 1-7.	0.9	10
48	Comparison of methods for the characterization and quantification of carbon forms in estuarine and marine sediments from coal mining regions. Organic Geochemistry, 2013, 59, 61-74.	0.9	9
49	Evaluating Charcoal Presence in Sediments and its Effect on Phenanthrene Sorption. Water, Air and Soil Pollution, 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. Desalination and Water Treatment, 2010, 23, 199-205.	1.0	8
51	Surface Water and Groundwater Sources for Drinking Water. Handbook of Environmental Chemistry, 2017, , 1-19.	0.2	8
52	Using diffuse reflectance spectroscopy (DRS) technique for studying biofilm formation on LDPE and PET surfaces: laboratory and field experiments. Environmental Science and Pollution Research, 2020, 27, 12055-12064.	2.7	8
53	Evaluation of peat and lignite phenanthrene sorption properties in relation to coal petrography: The impact of inertinite. International Journal of Coal Geology, 2006, 68, 30-38.	1.9	7
54	Sorption of Hydrophobic Organic Compounds to Plastics in the Marine Environment: Sorption and Desorption Kinetics. Handbook of Environmental Chemistry, 2018, , 205-219.	0.2	7

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55	Conclusions of â€œHazardous Chemicals Associated with Plastics in Environmentâ€• Handbook of Environmental Chemistry, 2018, , 297-305.	0.2	6
56	Alcohol and Dilution Water Characteristics in Distilled Anis (Ouzo). Journal of Agricultural and Food Chemistry, 2014, 62, 4932-4937.	2.4	5
57	Physicochemical and Toxicological Assay of Leachate from Malt Spent Rootlets Biochar. Bulletin of Environmental Contamination and Toxicology, 2020, 104, 634-641.	1.3	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.	0.2	5
60	Effect of ammonoxidation on lignite properties. Environmental Chemistry Letters, 2010, 8, 373-380.	8.3	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.	1.6	4
62	Reply to comment on â€œModel coupling intraparticle diffusion/sorption, nonlinear sorption, and biodegradation processesâ€•by H. Basagaoglu, T.R. Ginn, and B.J. McCoy. Journal of Contaminant Hydrology, 2002, 57, 311-317.	1.6	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.	1.6	3
64	In Focus: Novel Sorbents for Environmental Remediation. Journal of Chemical Technology and Biotechnology, 2017, 92, 1861-1861.	1.6	3
65	Microplastics in Water Bodies and in the Environment. Water (Switzerland), 2022, 14, 1324.	1.2	3
66	Concentrations of persistent organic pollutants and organic matter characteristics as river sediment quality indices. Toxicological and Environmental Chemistry, 0, , 1-13.	0.6	2
67	Ammonia removal properties of lightweight aggregates from Siâ€“Alâ€“Fe and Siâ€“Ca rocks. Environmental Chemistry Letters, 2010, 8, 355-361.	8.3	1
68	Sorption of Pollutants on Microplastics. , 2022, , 1-13.		0
69	Sorption of Pollutants on Microplastics. , 2022, , 517-529.		0