

Constantini Samara

List of Publications by Year in descending order

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110
papers

7,398
citations

57758

44
h-index

54911

84
g-index

111
all docs

111
docs citations

111
times ranked

8025
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent in vitro inhalation bioaccessibility of PAHs and O/N PAHs - Implications to inhalation risk assessment. <i>Environmental Pollution</i> , 2022, 301, 119045.	7.5	16
2	Spatiotemporal variation of odor-active VOCs in Thessaloniki, Greece: implications for impacts from industrial activities. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59091-59104.	5.3	7
3	Mass dose rates of particle-bound organic pollutants in the human respiratory tract: Implications for inhalation exposure and risk estimations. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 234, 113710.	4.3	7
4	Inter-laboratory comparison of ED-XRF/PIXE analytical techniques in the elemental analysis of filter-deposited multi-elemental certified reference materials representative of ambient particulate matter. <i>Science of the Total Environment</i> , 2021, 780, 146449.	8.0	7
5	Innovative aspects of environmental chemistry and technology regarding air, water, and soil pollution. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58958-58968.	5.3	3
6	Toxic organic pollutants in Greek house dust: Implications for human exposure and health risk. <i>Chemosphere</i> , 2021, 284, 131318.	8.2	25
7	Odor-active volatile organic compounds along the seafront of Thessaloniki, Greece. Implications for sources of nuisance odor. <i>Science of the Total Environment</i> , 2021, 799, 149388.	8.0	11
8	Nutrients in litterfall, forest floor and mineral soils in two adjacent forest ecosystems in Greece. <i>Journal of Forestry Research</i> , 2020, 31, 291-301.	3.6	5
9	Evaluation of receptor and chemical transport models for PM10 source apportionment. <i>Atmospheric Environment: X</i> , 2020, 5, 100053.	1.4	41
10	Commuter exposure to particle-bound polycyclic aromatic hydrocarbons in Thessaloniki, Greece. <i>Environmental Science and Pollution Research</i> , 2020, 28, 59119-59130.	5.3	11
11	Indoor concentrations of PM2.5 and associated water-soluble and labile heavy metal fractions in workplaces: implications for inhalation health risk assessment. <i>Environmental Science and Pollution Research</i> , 2020, 28, 58983-58993.	5.3	14
12	Composition and mass size distribution of nitrated and oxygenated aromatic compounds in ambient particulate matter from southern and central Europe – implications for the origin. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2471-2487.	4.9	43
13	Morphological and geochemical characterization of the particulate deposits and the black crust from the Triumphal Arch of Galerius in Thessaloniki, Greece: Implications for deterioration assessment. <i>Science of the Total Environment</i> , 2020, 734, 139455.	8.0	8
14	Perfluoroalkyl substances (PFASs) in air-conditioner filter dust of indoor microenvironments in Greece: Implications for exposure. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109559.	6.0	19
15	Oxidative stress, DNA damage, and mutagenicity induced by the extractable organic matter of airborne particulates on bacterial models. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 104, 59-73.	2.7	20
16	Chemical characterization and receptor modeling of PM10 in the surroundings of the opencast lignite mines of Western Macedonia, Greece. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12206-12221.	5.3	20
17	Study of polar organic compounds in airborne particulate matter of a coastal urban city. <i>Environmental Science and Pollution Research</i> , 2018, 25, 12191-12205.	5.3	16
18	Submicron particle number doses in the human respiratory tract: implications for urban traffic and background environments. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33724-33735.	5.3	10

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19	InÂvitro cellular toxicity induced by extractable organic fractions of particles exhausted from urban combustion sources - Role of PAHs. <i>Environmental Pollution</i> , 2018, 243, 1166-1176.	7.5	34
20	Polybrominated diphenyl ethers (PBDEs) in background air around the Aegean: implications for phase partitioning and size distribution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 28102-28120.	5.3	17
21	Polycyclic aromatic hydrocarbons and trace elements bounded to airborne PM10 in the harbor of Volos, Greece: Implications for the impact of harbor activities. <i>Atmospheric Environment</i> , 2017, 167, 61-72.	4.1	14
22	New insights on humic-like substances associated with wintertime urban aerosols from central and southern Europe: Size-resolved chemical characterization and optical properties. <i>Atmospheric Environment</i> , 2017, 166, 286-299.	4.1	47
23	Legacy and novel brominated flame retardants in interior car dust - Implications for human exposure. <i>Environmental Pollution</i> , 2017, 230, 871-881.	7.5	59
24	Toxic organic substances and marker compounds in size-segregated urban particulate matter - Implications for involvement in the inÂvitro bioactivity of the extractable organic matter. <i>Environmental Pollution</i> , 2017, 230, 758-774.	7.5	29
25	Fine and ultrafine particle doses in the respiratory tract from digital printing operations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3027-3037.	5.3	22
26	On the Redox Activity of Urban Aerosol Particles: Implications for Size Distribution and Relationships with Organic Aerosol Components. <i>Atmosphere</i> , 2017, 8, 205.	2.3	36
27	An iterative method for evaluating the inter-comparability between chemical mass balance and multivariate receptor models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 97-108.	3.5	4
28	Atmospheric occurrence and gas-particle partitioning of PBDEs at industrial, urban and suburban sites of Thessaloniki, northern Greece: Implications for human health. <i>Environmental Pollution</i> , 2016, 215, 113-124.	7.5	44
29	Cytotoxicity and genotoxicity induced inÂvitro by solvent-extractable organic matter of size-segregated urban particulate matter. <i>Environmental Pollution</i> , 2016, 218, 1350-1362.	7.5	45
30	Source apportionment of the redox activity of urban quasi-ultrafine particles (PM0.49) in Thessaloniki following the increased biomass burning due to the economic crisis in Greece. <i>Science of the Total Environment</i> , 2016, 568, 124-136.	8.0	52
31	Spatial and seasonal variations of the chemical, mineralogical and morphological features of quasi-ultrafine particles (PM0.49) at urban sites. <i>Science of the Total Environment</i> , 2016, 553, 392-403.	8.0	30
32	Redox activity and inÂvitro bioactivity of the water-soluble fraction of urban particulate matter in relation to particle size and chemical composition. <i>Environmental Pollution</i> , 2016, 208, 774-786.	7.5	100
33	Polycyclic aromatic hydrocarbons (PAHs) at traffic and urban background sites of northern Greece: source apportionment of ambient PAH levels and PAH-induced lung cancer risk. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3556-3568.	5.3	101
34	Size distribution of total and water-soluble fractions of particle-bound elements - assessment of possible risks via inhalation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 13412-13426.	5.3	21
35	Particle-size distribution of polybrominated diphenyl ethers (PBDEs) in the urban agglomeration of Thessaloniki, northern Greece. <i>Atmospheric Environment</i> , 2015, 104, 176-185.	4.1	45
36	Scale-dependent correlations between soil heavy metals and As around four coal-fired power plants of northern Greece. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1531-1543.	4.0	34

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37	Ultrastructural alterations in the mouse lung caused by real-life ambient PM10 at urban traffic sites. <i>Science of the Total Environment</i> , 2015, 532, 327-336.	8.0	12
38	Air and seawater pollution and air-sea gas exchange of persistent toxic substances in the Aegean Sea: spatial trends of PAHs, PCBs, OCPs and PBDEs. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11301-11313.	5.3	69
39	Effect of rapeseed methylester blending on diesel passenger car emissions – Part 2: Unregulated emissions and oxidation activity. <i>Fuel</i> , 2014, 128, 260-267.	6.4	16
40	Ionic composition of PM2.5 at urban sites of northern Greece: secondary inorganic aerosol formation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4995-5006.	5.3	67
41	Organic and elemental carbon associated to PM10 and PM2.5 at urban sites of northern Greece. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1769-1785.	5.3	89
42	Chemical composition and mass closure of ambient coarse particles at traffic and urban-background sites in Thessaloniki, Greece. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7708-7722.	5.3	57
43	Local deposition of mercury in topsoils around coal-fired power plants: is it always true?. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10205-10214.	5.3	13
44	Concentrations of polybrominated diphenyl ethers (PBDEs) in central air-conditioner filter dust and relevance of non-dietary exposure in occupational indoor environments in Greece. <i>Environmental Pollution</i> , 2014, 188, 64-70.	7.5	46
45	Concentrations and source apportionment of PM10 and associated elemental and ionic species in a lignite-burning power generation area of southern Greece. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7214-7230.	5.3	17
46	Increased Biomass Burning Due to the Economic Crisis in Greece and Its Adverse Impact on Wintertime Air Quality in Thessaloniki. <i>Environmental Science & Technology</i> , 2013, 47, 13313-13320.	10.0	150
47	A novel synthesis, characterization and application of an anionic Cr-complexed azo dye based on environmental considerations. <i>Textile Research Journal</i> , 2012, 82, 2054-2061.	2.2	4
48	Polybrominated diphenyl ethers (PBDEs) in the indoor and outdoor environments – A review on occurrence and human exposure. <i>Environmental Pollution</i> , 2012, 169, 217-229.	7.5	281
49	Concentrations and source apportionment of PM10 and associated major and trace elements in the Rhodes Island, Greece. <i>Science of the Total Environment</i> , 2012, 432, 12-22.	8.0	31
50	PM10 composition during an intense Saharan dust transport event over Athens (Greece). <i>Science of the Total Environment</i> , 2011, 409, 4361-4372.	8.0	66
51	Development and application of a robotic chemical mass balance model for source apportionment of atmospheric particulate matter. <i>Environmental Modelling and Software</i> , 2011, 26, 469-481.	4.5	19
52	Chemical composition and mass closure of ambient PM10 at urban sites. <i>Atmospheric Environment</i> , 2010, 44, 2231-2239.	4.1	155
53	Wintertime size distribution of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs) in the urban environment: Street- vs rooftop-level measurements. <i>Atmospheric Environment</i> , 2009, 43, 290-300.	4.1	62
54	An investigation on the physical, chemical and ecotoxicological characteristics of particulate matter emitted from light-duty vehicles. <i>Environmental Pollution</i> , 2009, 157, 2320-2327.	7.5	61

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55	Mass closure of total suspended particles over the coal burning power production area of western Macedonia, Greece. <i>Journal of Atmospheric Chemistry</i> , 2008, 59, 171-186.	3.2	3
56	Distribution of persistent organic pollutants, polycyclic aromatic hydrocarbons and trace elements in soil and vegetation following a large scale landfill fire in northern Greece. <i>Environment International</i> , 2008, 34, 210-225.	10.0	102
57	Comparison of active and passive sampling for the determination of persistent organic pollutants (POPs) in sewage treatment plants. <i>Chemosphere</i> , 2007, 67, 1375-1382.	8.2	35
58	Ecotoxicological evaluation of the wastewater treatment process of the sewage treatment plant of Thessaloniki, Greece. <i>Journal of Hazardous Materials</i> , 2007, 141, 614-621.	12.4	44
59	The fate of dissolved organic carbon (DOC) in the wastewater treatment process and its importance in the removal of wastewater contaminants. <i>Environmental Science and Pollution Research</i> , 2007, 14, 284-292.	5.3	107
60	Nutrient cycling and foliar status in an urban pine forest in Athens, Greece. <i>Plant and Soil</i> , 2007, 294, 31-39.	3.7	14
61	Gas/particle partitioning and yield levels of polycyclic aromatic hydrocarbons and n-alkanes in the mainstream cigarette smoke of commercial cigarette brands. <i>Food and Chemical Toxicology</i> , 2006, 44, 1432-1442.	3.6	18
62	Persistent organic pollutants (POPs) in the conventional activated sludge treatment process: Model predictions against experimental values. <i>Chemosphere</i> , 2006, 65, 1634-1641.	8.2	38
63	Trace elements in atmospheric particulate matter over a coal burning power production area of western Macedonia, Greece. <i>Chemosphere</i> , 2006, 65, 2233-2243.	8.2	56
64	Mass concentration and elemental composition of indoor PM _{2.5} and PM ₁₀ in University rooms in Thessaloniki, northern Greece. <i>Atmospheric Environment</i> , 2006, 40, 3195-3206.	4.1	98
65	Detection of the marine toxin okadaic acid in mussels during a diarrhetic shellfish poisoning (DSP) episode in Thermaikos Gulf, Greece, using biological, chemical and immunological methods. <i>Science of the Total Environment</i> , 2006, 366, 894-904.	8.0	44
66	Chemical mass balance source apportionment of TSP in a lignite-burning area of Western Macedonia, Greece. <i>Atmospheric Environment</i> , 2005, 39, 6430-6443.	4.1	64
67	PM ₁₀ -bound polycyclic aromatic hydrocarbons (PAHs) in the Greater Area of Athens, Greece. <i>Chemosphere</i> , 2005, 59, 593-604.	8.2	171
68	Levels of total suspended particulate matter and major trace elements in Kosovo: a source identification and apportionment study. <i>Chemosphere</i> , 2005, 59, 669-678.	8.2	148
69	Size distribution of airborne particulate matter and associated heavy metals in the roadside environment. <i>Chemosphere</i> , 2005, 59, 1197-1206.	8.2	227
70	Assessment of the environmental hazard from municipal and industrial wastewater treatment sludge by employing chemical and biological methods. <i>Ecotoxicology and Environmental Safety</i> , 2005, 62, 397-407.	6.0	115
71	Persistent organic pollutants (POPs) in the conventional activated sludge treatment process: fate and mass balance. <i>Environmental Research</i> , 2005, 97, 245-257.	7.5	137
72	Determination of Okadaic Acid and Related Toxins in Greek Mussels by HPLC with Fluorimetric Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2153-2166.	1.0	12

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73	Size distribution of trace elements and polycyclic aromatic hydrocarbons in fly ashes generated in Greek lignite-fired power plants. <i>Science of the Total Environment</i> , 2004, 323, 153-167.	8.0	64
74	Patterns and sources of particle-phase aliphatic and polycyclic aromatic hydrocarbons in urban and rural sites of western Greece. <i>Atmospheric Environment</i> , 2004, 38, 2545-2560.	4.1	98
75	Nutrient dynamics in shallow lakes of northern Greece. <i>Environmental Science and Pollution Research</i> , 2004, 11, 11-17.	5.3	31
76	Spatial and Temporal Variation of PM ₁₀ Mass Concentrations within the Greater Area of Athens, Greece. <i>Water, Air, and Soil Pollution</i> , 2004, 158, 357-371.	2.4	80
77	Gas-Particle Partitioning of Polycyclic Aromatic Hydrocarbons in Urban, Adjacent Coastal, and Continental Background Sites of Western Greece. <i>Environmental Science & Technology</i> , 2004, 38, 4973-4978.	10.0	117
78	Persistent organic pollutants (POPs) in the sewage treatment plant of Thessaloniki, northern Greece: occurrence and removal. <i>Water Research</i> , 2004, 38, 2685-2698.	11.3	160
79	A comparative study on the recovery of polycyclic aromatic hydrocarbons from fly ash and lignite coal. <i>Environmental Science and Pollution Research</i> , 2003, 10, 354-356.	5.3	11
80	Chemical mass balance source apportionment of PM ₁₀ in an industrialized urban area of Northern Greece. <i>Atmospheric Environment</i> , 2003, 37, 41-54.	4.1	135
81	Occurrence and fate of heavy metals in the wastewater treatment process. <i>Chemosphere</i> , 2003, 53, 1201-1210.	8.2	333
82	Assessment of the surface water quality in Northern Greece. <i>Water Research</i> , 2003, 37, 4119-4124.	11.3	970
83	Toxicity and heavy metal contamination of surficial sediments from the Bay of Thessaloniki (Northwestern Aegean Sea) Greece. <i>Chemosphere</i> , 2002, 49, 17-26.	8.2	83
84	Chemical characterization and source identification/apportionment of fine and coarse air particles in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2002, 36, 949-961.	4.1	381
85	Polycyclic aromatic hydrocarbon contamination and LUMISTox [®] solvent extract toxicity of marine sediments in the North Aegean Sea, Greece. <i>Environmental Toxicology</i> , 2002, 17, 556-566.	4.0	26
86	A Study of Surface Water Quality in Macedonia, Greece: Speciation of Nitrogen and Phosphorus. <i>Water, Air, and Soil Pollution</i> , 2001, 129, 13-32.	2.4	86
87	Fine and Coarse Ionic Aerosol Components in Relation to Wet and Dry Deposition. <i>Water, Air, and Soil Pollution</i> , 2000, 120, 71-88.	2.4	62
88	Polycyclic aromatic hydrocarbons in the bulk precipitation and surface waters of Northern Greece. <i>Chemosphere</i> , 2000, 41, 1845-1855.	8.2	173
89	Occurrence and Mass Balance of Polycyclic Aromatic Hydrocarbons in the Thessaloniki Sewage Treatment Plant. <i>Journal of Environmental Quality</i> , 1999, 28, 176-187.	2.0	79
90	Polycyclic aromatic hydrocarbons in natural waters: sources, occurrence and analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 1999, 18, 417-428.	11.4	380

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91	Polycyclic aromatic hydrocarbons in the ambient air of Greek towns in relation to other atmospheric pollutants. <i>Chemosphere</i> , 1999, 39, 2183-2199.	8.2	78
92	Dietary intake of trace elements and polycyclic aromatic hydrocarbons via vegetables grown in an industrial Greek area. <i>Science of the Total Environment</i> , 1998, 218, 203-216.	8.0	88
93	Polycyclic aromatic hydrocarbons in waste waters and sewage sludge: Extraction and clean-up for HPLC analysis with fluorescence detection. <i>Chromatographia</i> , 1996, 43, 135-142.	1.3	77
94	Interpretation of air particulate data from thessaloniki, Greece using multivariate statistics. <i>Toxicological and Environmental Chemistry</i> , 1995, 52, 77-84.	1.2	2
95	Determination of selected polynuclear aromatic hydrocarbons in waste water and sludge samples by HPLC with fluorescence detection. <i>Toxicological and Environmental Chemistry</i> , 1995, 48, 89-102.	1.2	3
96	Analysis of Organic Particulate Matter. <i>Handbook of Environmental Chemistry</i> , 1995, , 233-251.	0.4	2
97	Characterization of airborne particulate matter in thessaloniki, Greece. <i>Toxicological and Environmental Chemistry</i> , 1994, 44, 147-160.	1.2	14
98	Characterization of airborne particulate matter in Thessaloniki, Greece. <i>Toxicological and Environmental Chemistry</i> , 1994, 41, 221-232.	1.2	17
99	Chemometric approach to study rain composition from the region of Thessaloniki, Greece. <i>Toxicological and Environmental Chemistry</i> , 1994, 46, 97-106.	1.2	3
100	Groundwater quality in the major industrial area of Thessaloniki, Greece part 2: Heavy metal distribution—source identification. <i>Toxicological and Environmental Chemistry</i> , 1994, 45, 105-119.	1.2	10
101	First results of acidic and alkaline constituents determination in air particulates of Thessaloniki, Greece. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1993, 27, 313-319.	0.5	31
102	Groundwater quality in the major industrial area of Thessaloniki, Greece part 1: Chemical composition—geochemical processes. <i>Toxicological and Environmental Chemistry</i> , 1993, 38, 145-156.	1.2	5
103	Chemical composition of rain in Thessaloniki, Greece, in relation to meteorological conditions. <i>Atmospheric Environment Part B Urban Atmosphere</i> , 1992, 26, 359-367.	0.5	47
104	Detection of lead in blood, seminal plasma, and spermatozoa of bulls. Effect in vitro of lead acetate on sperm motility. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1990, 45, 824-828.	2.7	11
105	Characterization of airborne particulate matter in thessaloniki, Greece. <i>Toxicological and Environmental Chemistry</i> , 1990, 29, 107-119.	1.2	34
106	Toxic elements in the environment of thessaloniki, Greece. <i>Toxicological and Environmental Chemistry</i> , 1989, 24, 191-198.	1.2	14
107	Acid rain in northern Greece. <i>Toxicological and Environmental Chemistry</i> , 1988, 16, 111-118.	1.2	5
108	2,2'-Dipyridyl-4-amino-3-hydrazino-5-mercapto-1,2,4-triazolehydrazone: A new reagent for the spectrophotometric determination of cobalt and for the titration of copper. <i>Microchemical Journal</i> , 1986, 33, 252-255.	4.5	1

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109	Preconcentration of trace metals in natural waters with 2,2'-dipyridyl-4-amino-3-hydrazino-5-mercapto-1,2,4-triazolehydrazone supported on silica gel. <i>Analytica Chimica Acta</i> , 1985, 174, 305-311.	5.4	14
110	Bis(trifluoroacetoxy)iodobenzene, a new oxidant in potentiometric titrations. <i>Microchemical Journal</i> , 1984, 29, 232-236.	4.5	6