

Marina C Pinto

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

5,519
citations

94269

37
h-index

91712

69
g-index

105
all docs

105
docs citations

105
times ranked

4393
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead Toxicity: Health Hazards, Influence on Food Chain, and Sustainable Remediation Approaches. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2179.	1.2	454
2	Hazardous heavy metals contamination of vegetables and food chain: Role of sustainable remediation approaches - A review. <i>Environmental Research</i> , 2019, 179, 108792.	3.7	309
3	A review on current status of municipal solid waste management in India. <i>Journal of Environmental Sciences</i> , 2015, 37, 206-217.	3.2	286
4	Mechanistic understanding and holistic approach of phytoremediation: A review on application and future prospects. <i>Ecological Engineering</i> , 2018, 120, 274-298.	1.6	275
5	Chromium contamination and effect on environmental health and its remediation: A sustainable approaches. <i>Journal of Environmental Management</i> , 2021, 285, 112174.	3.8	256
6	Trace elements in soil-vegetables interface: Translocation, bioaccumulation, toxicity and amelioration - A review. <i>Science of the Total Environment</i> , 2019, 651, 2927-2942.	3.9	253
7	Fluoride contamination, health problems and remediation methods in Asian groundwater: A comprehensive review. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109362.	2.9	250
8	Review on transesterification of non-edible sources for biodiesel production with a focus on economic aspects, fuel properties and by-product applications. <i>Energy Conversion and Management</i> , 2019, 201, 112155.	4.4	246
9	A review of emerging adsorbents and current demand for defluoridation of water: Bright future in water sustainability. <i>Environment International</i> , 2018, 111, 80-108.	4.8	180
10	Bioaccumulation and potential sources of heavy metal contamination in fish species in River Ganga basin: Possible human health risks evaluation. <i>Toxicology Reports</i> , 2019, 6, 472-481.	1.6	179
11	A review on municipal solid waste as a renewable source for waste-to-energy project in India: Current practices, challenges, and future opportunities. <i>Journal of Cleaner Production</i> , 2020, 277, 123227.	4.6	176
12	Bio-remediation approaches for alleviation of cadmium contamination in natural resources. <i>Chemosphere</i> , 2021, 268, 128855.	4.2	120
13	GIS-based evaluation of groundwater geochemistry and statistical determination of the fate of contaminants in shallow aquifers from different functional areas of Agra city, India: levels and spatial distributions. <i>RSC Advances</i> , 2018, 8, 15876-15889.	1.7	89
14	Human health risk assessment: Study of a population exposed to fluoride through groundwater of Agra city, India. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 106, 68-80.	1.3	85
15	Human Health Risk Assessment Due to Agricultural Activities and Crop Consumption in the Surroundings of an Industrial Area. <i>Exposure and Health</i> , 2020, 12, 629-640.	2.8	85
16	Synthesis and Characterization of Amorphous Iron Oxide Nanoparticles by the Sonochemical Method and Their Application for the Remediation of Heavy Metals from Wastewater. <i>Nanomaterials</i> , 2020, 10, 1551.	1.9	81
17	Forest soil nutrient stocks along altitudinal range of Uttarakhand Himalayas: An aid to Nature Based Climate Solutions. <i>Catena</i> , 2021, 207, 105667.	2.2	75
18	Weathering indices as climate proxies. A step forward based on Congo and SW African river muds. <i>Earth-Science Reviews</i> , 2020, 201, 103039.	4.0	71

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19	Heavy Metals of Santiago Island (Cape Verde) Alluvial Deposits: Baseline Value Maps and Human Health Risk Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2.	1.2	62
20	Contaminated water, stream sediments and soils close to the abandoned Pinhal do Souto uranium mine, central Portugal. <i>Journal of Geochemical Exploration</i> , 2014, 136, 102-117.	1.5	61
21	Estimation of Risk to the Eco-Environment and Human Health of Using Heavy Metals in the Uttarakhand Himalaya, India. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7078.	1.3	59
22	Agro-Nanotechnology as an Emerging Field: A Novel Sustainable Approach for Improving Plant Growth by Reducing Biotic Stress. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2282.	1.3	56
23	Advances in the Methods for the Synthesis of Carbon Dots and Their Emerging Applications. <i>Polymers</i> , 2021, 13, 3190.	2.0	56
24	Human predisposition to cognitive impairment and its relation with environmental exposure to potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2018, 40, 1767-1784.	1.8	55
25	Myco-remediation: A mechanistic understanding of contaminants alleviation from natural environment and future prospect. <i>Chemosphere</i> , 2021, 284, 131325.	4.2	54
26	Fungal Phytoremediation of Heavy Metal-Contaminated Resources: Current Scenario and Future Prospects. <i>Fungal Biology</i> , 2019, , 437-461.	0.3	50
27	Removal of Cadmium and Chromium by Mixture of Silver Nanoparticles and Nano-Fibrillated Cellulose Isolated from Waste Peels of Citrus Sinensis. <i>Polymers</i> , 2021, 13, 234.	2.0	48
28	Molecular insights into plant-microbe interactions for sustainable remediation of contaminated environment. <i>Bioresource Technology</i> , 2022, 344, 126246.	4.8	47
29	Links between Cognitive Status and Trace Element Levels in Hair for an Environmentally Exposed Population: A Case Study in the Surroundings of the Estarreja Industrial Area. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4560.	1.2	44
30	Pollution of Water and Stream Sediments Associated with the Vale De Abrutiga Uranium Mine, Central Portugal. <i>Mine Water and the Environment</i> , 2004, 23, 66-75.	0.9	42
31	An Inter-disciplinary Approach to Evaluate Human Health Risks Due to Long-Term Exposure to Contaminated Groundwater Near a Chemical Complex. <i>Exposure and Health</i> , 2020, 12, 199-214.	2.8	42
32	An assessment of micro- and nanoplastics in the biosphere: A review of detection, monitoring, and remediation technology. <i>Chemical Engineering Journal</i> , 2022, 430, 132913.	6.6	42
33	Major, trace and REE geochemistry of recent sediments from lower Catumbela River (Angola). <i>Journal of African Earth Sciences</i> , 2016, 115, 203-217.	0.9	41
34	Transfer processes of potentially toxic elements (PTE) from rocks to soils and the origin of PTE in soils: A case study on the island of Santiago (Cape Verde). <i>Journal of Geochemical Exploration</i> , 2017, 183, 140-151.	1.5	41
35	Lanthanum phosphate foam as novel heterogeneous nanocatalyst for biodiesel production from waste cooking oil. <i>Renewable Energy</i> , 2021, 176, 228-236.	4.3	41
36	Baseline maps of potentially toxic elements in the soils of Garhwal Himalayas, India: Assessment of their eco-environmental and human health risks. <i>Land Degradation and Development</i> , 2021, 32, 3856-3869.	1.8	40

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37	The Processing of Calcium Rich Agricultural and Industrial Waste for Recovery of Calcium Carbonate and Calcium Oxide and Their Application for Environmental Cleanup: A Review. Applied Sciences (Switzerland), 2021, 11, 4212.	1.3	40
38	Understanding the impacts of the COVID-19 pandemic on sustainable agri-food system and agroecosystem decarbonization nexus: A review. Journal of Cleaner Production, 2021, 318, 128451.	4.6	40
39	Recent Advances in Synthesis and Degradation of Lignin and Lignin Nanoparticles and Their Emerging Applications in Nanotechnology. Materials, 2022, 15, 953.	1.3	39
40	Nano-phytoremediation of Pollutants from Contaminated Soil Environment: Current Scenario and Future Prospects. , 2018, , 383-401.		38
41	An overview of greenhouse gases emissions in Hungary. Journal of Cleaner Production, 2021, 314, 127865.	4.6	37
42	Evaluating the geochemistry of groundwater contamination with iron and manganese and probabilistic human health risk assessment in endemic areas of the world's largest River Island, India. Environmental Toxicology and Pharmacology, 2021, 87, 103690.	2.0	37
43	Heavy metals of Santiago Island (Cape Verde) top soils: Estimated Background Value maps and environmental risk assessment. Journal of African Earth Sciences, 2015, 101, 162-176.	0.9	36
44	A novel synthesis and characterization of polyhedral shaped amorphous iron oxide nanoparticles from incense sticks ash waste. Environmental Technology and Innovation, 2020, 20, 101089.	3.0	35
45	Emerging Trends in the Remediation of Persistent Organic Pollutants Using Nanomaterials and Related Processes: A Review. Nanomaterials, 2022, 12, 2148.	1.9	34
46	Appraisal of contamination of heavy metals and health risk in agricultural soil of Jhansi city, India. Environmental Toxicology and Pharmacology, 2021, 88, 103740.	2.0	33
47	Recent Trends in Fascinating Applications of Nanotechnology in Allied Health Sciences. Crystals, 2022, 12, 39.	1.0	33
48	Variations and similarities in structural, chemical, and elemental properties on the ashes derived from the coal due to their combustion in open and controlled manner. Environmental Science and Pollution Research, 2021, 28, 32609-32625.	2.7	31
49	Fingernail Trace Element Content in Environmentally Exposed Individuals and Its Influence on Their Cognitive Status in Ageing. Exposure and Health, 2019, 11, 181-194.	2.8	29
50	Recent and Emerging Trends in Remediation of Methylene Blue Dye from Wastewater by Using Zinc Oxide Nanoparticles. Water (Switzerland), 2022, 14, 1749.	1.2	29
51	Recent advances on the removal of phosphorus in aquatic plant-based systems. Environmental Technology and Innovation, 2021, 24, 101933.	3.0	28
52	Phytoremediation of dairy wastewater using Azolla pinnata: Application of image processing technique for leaflet growth simulation. Journal of Water Process Engineering, 2021, 42, 102152.	2.6	25
53	Environmental Risk Assessment Based on High-Resolution Spatial Maps of Potentially Toxic Elements Sampled on Stream Sediments of Santiago, Cape Verde. Geosciences (Switzerland), 2014, 4, 297-315.	1.0	24
54	Recent Advances in Methods for the Recovery of Carbon Nanominerals and Polyaromatic Hydrocarbons from Coal Fly Ash and Their Emerging Applications. Crystals, 2021, 11, 88.	1.0	24

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55	Carbon Storage of Single Tree and Mixed Tree Dominant Species Stands in a Reserve Forest—Case Study of the Eastern Sub-Himalayan Region of India. <i>Land</i> , 2021, 10, 435.	1.2	24
56	The concentration of aflatoxin M1 in raw and pasteurized milk: A worldwide systematic review and meta-analysis. <i>Trends in Food Science and Technology</i> , 2021, 115, 22-30.	7.8	24
57	Monitoring the presence and persistence of SARS-CoV-2 in water-food-environmental compartments: State of the knowledge and research needs. <i>Environmental Research</i> , 2021, 200, 111373.	3.7	24
58	REE and other trace and major elements in the topsoil layer of Santiago island, Cape Verde. <i>Journal of African Earth Sciences</i> , 2012, 64, 20-33.	0.9	23
59	Stand Structure, Biomass and Carbon Storage in Gmelina arborea Plantation at Agricultural Landscape in Foothills of Eastern Himalayas. <i>Land</i> , 2021, 10, 387.	1.2	23
60	Application of Green Synthesized MMT/Ag Nanocomposite for Removal of Methylene Blue from Aqueous Solution. <i>Water (Switzerland)</i> , 2021, 13, 3206.	1.2	23
61	An experimental investigation on phytoremediation performance of water lettuce (<i>Pistia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 93, 1543-1553.	1.3	21
62	A comprehensive review on the effects of engineered nanoparticles on microalgal treatment of pollutants from wastewater. <i>Journal of Cleaner Production</i> , 2022, 344, 131121.	4.6	21
63	Effects of restraining measures due to COVID-19: Pre- and post-lockdown cognitive status and mental health. <i>Current Psychology</i> , 2022, 41, 7383-7392.	1.7	20
64	Recent Advances in Methods for Recovery of Cenospheres from Fly Ash and Their Emerging Applications in Ceramics, Composites, Polymers and Environmental Cleanup. <i>Crystals</i> , 2021, 11, 1067.	1.0	19
65	Spatial variability of soils and stream sediments and the remediation effects in a Portuguese uranium mine area. <i>Chemie Der Erde</i> , 2016, 76, 501-518.	0.8	17
66	The Cancer and Non-Cancer Risk of Santiago Island (Cape Verde) Population due to Potential Toxic Elements Exposure from Soils. <i>Geosciences (Switzerland)</i> , 2017, 7, 78.	1.0	17
67	Associations between Trace Elements and Cognitive Decline: An Exploratory 5-Year Follow-Up Study of an Elderly Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6051.	1.2	17
68	Microporous metal-organic frameworks against endocrine-disruptor bisphenol A: parametric evaluation and optimization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127039.	2.3	17
69	Extraction of Value-Added Minerals from Various Agricultural, Industrial and Domestic Wastes. <i>Materials</i> , 2021, 14, 6333.	1.3	17
70	Spatial and temporal variability of surface water and groundwater before and after the remediation of a Portuguese uranium mine area. <i>Chemie Der Erde</i> , 2015, 75, 345-356.	0.8	16
71	Implementation of the Use of Ethnomedicinal Plants for Curing Diseases in the Indian Himalayas and Its Role in Sustainability of Livelihoods and Socioeconomic Development. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1509.	1.2	15
72	Geochemistry of U-bearing minerals from the Vale de Abrutiga uranium mine area, Central Portugal. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2008, 185, 183-198.	0.1	14

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73	Uses and ecosystem services of trees outside forest (TOF)-A case study from Uttar Banga Krishi Viswavidyalaya, West Bengal, India. <i>Acta Ecologica Sinica</i> , 2019, 39, 431-437.	0.9	14
74	Detrital record of the denudation of volcanic islands under sub-tropical climate (Cape Verde). <i>Chemie Der Erde</i> , 2019, 79, 235-246.	0.8	13
75	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. <i>Crystals</i> , 2021, 11, 634.	1.0	13
76	Transformation of hazardous sacred incense sticks ash waste into less toxic product by sequential approach prior to their disposal into the water bodies. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71766-71778.	2.7	13
77	A Short Review on the Utilization of Incense Sticks Ash as an Emerging and Overlooked Material for the Synthesis of Zeolites. <i>Crystals</i> , 2021, 11, 1255.	1.0	13
78	Quantification of organic carbon and primary nutrients in litter and soil in a foothill forest plantation of eastern Himalaya. <i>Journal of Forestry Research</i> , 2017, 28, 1195-1202.	1.7	12
79	Variation in carbon stock and soil properties in different <i>Quercus leucotrichophora</i> forests of Garhwal Himalaya. <i>Catena</i> , 2022, 213, 106210.	2.2	12
80	Plant diversity at Chilapatta reserve forest of Terai Duars in sub-humid tropical foothills of Indian eastern Himalayas. <i>Journal of Forestry Research</i> , 2014, 25, 591-596.	1.7	11
81	Sediment generation on a volcanic island with arid tropical climate: A perspective based on geochemical maps of topsoils and stream sediments from Santiago Island, Cape Verde. <i>Applied Geochemistry</i> , 2016, 75, 114-124.	1.4	11
82	Recovery of iron nanominerals from sacred incense sticks ash waste collected from temples by wet and dry magnetic separation method. <i>Environmental Technology and Innovation</i> , 2022, 25, 102150.	3.0	11
83	Release, Migration, Sorption and (re)precipitation of U During a Granite Alteration under Oxidizing Conditions. <i>Procedia Earth and Planetary Science</i> , 2014, 8, 28-32.	0.6	10
84	Soil Properties, Litter Dynamics and Biomass Carbon Storage in Three-Bamboo Species of Sub-Himalayan Region of Eastern India. <i>Water, Air, and Soil Pollution</i> , 2022, 233, 1.	1.1	10
85	Estimated Background Values Maps of Uranium in Santiago Island Topsoil and Stream Sediments. <i>Procedia Earth and Planetary Science</i> , 2014, 8, 23-27.	0.6	9
86	Release, Migration, Sorption, and (Re)Precipitation of U during Peraluminous Granite Alteration under Oxidizing Conditions in Central Portugal. <i>Geosciences (Switzerland)</i> , 2018, 8, 95.	1.0	9
87	Post-wildfire denudation assessed from compositional features of river sediments (Central Tj ETQq1 1 0.784314 rgBT /Overlçck 10 T 5	2.6	10
88	Fabrication of different SnO ₂ nanorods for enhanced photocatalytic degradation and antibacterial activity. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71574-71584.	2.7	9
89	Utilization of Incense Stick Ash in Hydrometallurgy Methods for Extracting Oxides of Fe, Al, Si, and Ca. <i>Materials</i> , 2022, 15, 1879.	1.3	9
90	Appraisal of probabilistic levels of toxic metals and health risk in cultivated and marketed vegetables in urban and peri-urban areas of Delhi, India. <i>Environmental Toxicology and Pharmacology</i> , 2022, 92, 103863.	2.0	6

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91	The Vale de Abrutiga uranium phosphates mine, central Portugal. <i>Chemie Der Erde</i> , 2007, 67, 251-252.	0.8	5
92	Disastrous Flash Floods Triggered by Moderate to Minor Rainfall Events. Recent Cases in Coastal Benguela (Angola). <i>Hydrology</i> , 2021, 8, 73.	1.3	5
93	Geochemistry and detrital geochronology of stream sediments from East Timor: implications for the origin of source units. <i>Australian Journal of Earth Sciences</i> , 2013, 60, 509-519.	0.4	4
94	Associations between lithology and land-use in a wine production region (Bairrada region, Portugal). <i>Journal of Maps</i> , 2012, 8, 271-281.	1.0	3
95	Editorial for Special Issue "Socio-Economic Impacts of Carbon Sequestration on Livelihoods and Future Climate". <i>Land</i> , 2022, 11, 51.	1.2	3
96	Crop Production and Carbon Sequestration Potential of <i>Grewia oppositifolia</i> -Based Traditional Agroforestry Systems in Indian Himalayan Region. <i>Land</i> , 2022, 11, 839.	1.2	3
97	Uranium Contents in the Lithological Formations of Santiago Island, Cape Verde. <i>Procedia Earth and Planetary Science</i> , 2014, 8, 18-22.	0.6	1
98	Weathering on volcanic edifices under semiarid climates: insights from a regional assessment of the composition of Fogo Island regoliths (Cape Verde). <i>Geological Society Special Publication</i> , 0, , SP520-2021-61.	0.8	1
99	Nonlinear dynamic investigation of plates: Considering seismic loads, strain rate, material, and geometrical nonlinearities. <i>Structures</i> , 2021, 33, 1967-1986.	1.7	1
100	Mapping of Estimated Geochemical Background Values of Some Harmful Metals in Soils of Santiago Island (Cape Verde Archipelago). <i>Progress in Environmental Science, Technology and Management</i> , 2012, , .	0.1	1
101	Integrated Geochemical and Mineralogical Investigation of Soil from the Volcanic Fogo Island (Cape) Tj ETQq1 1 0.784314 rgBT /Overbo 2.8	0.784314	1