

JosÃ© R Gallego

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,268
citations

136885

32
h-index

168321

53
g-index

101
all docs

101
docs citations

101
times ranked

3613
citing authors

#	ARTICLE	IF	CITATIONS
1	A holistic methodology to study geochemical and geomorphological control of the distribution of potentially toxic elements in soil. <i>Catena</i> , 2022, 208, 105730.	2.2	14
2	Multiple pollution sources unravelled by environmental forensics techniques and multivariate statistics. <i>Journal of Hazardous Materials</i> , 2022, 424, 127413.	6.5	20
3	Compositional baseline assessments to address soil pollution: An application in Langreo, Spain. <i>Science of the Total Environment</i> , 2022, 812, 152383.	3.9	9
4	Impact of Old Pb Mining and Metallurgical Production in Soils from the Linares Mining District (Spain). <i>Environments - MDPI</i> , 2022, 9, 24.	1.5	5
5	Zero valent iron nanoparticles and organic fertilizer assisted phytoremediation in a mining soil: Arsenic and mercury accumulation and effects on the antioxidative system of <i>Medicago sativa</i> L.. <i>Journal of Hazardous Materials</i> , 2022, 433, 128748.	6.5	23
6	Goethite-based carbon foam nanocomposites for concurrently immobilizing arsenic and metals in polluted soils. <i>Chemosphere</i> , 2022, 301, 134645.	4.2	4
7	Interplay between arsenic and selenium biomineralization in <i>Shewanella</i> sp. O23S. <i>Environmental Pollution</i> , 2022, 306, 119451.	3.7	11
8	Contrasting mobility of arsenic and copper in a mining soil: A comparative column leaching and pot testing approach. <i>Journal of Environmental Management</i> , 2022, 318, 115530.	3.8	2
9	Evaluation of biostimulation, bioaugmentation, and organic amendments application on the bioremediation of recalcitrant hydrocarbons of soil. <i>Chemosphere</i> , 2022, 307, 135638.	4.2	34
10	Antagonistic Cd and Zn isotope behavior in the extracted soil fractions from industrial areas. <i>Journal of Hazardous Materials</i> , 2022, 439, 129519.	6.5	4
11	As sorption onto Fe-based nanoparticles and recovery from soils by means of wet high intensity magnetic separation. <i>Chemical Engineering Journal</i> , 2021, 408, 127325.	6.6	12
12	Effects of in situ Remediation With Nanoscale Zero Valence Iron on the Physicochemical Conditions and Bacterial Communities of Groundwater Contaminated With Arsenic. <i>Frontiers in Microbiology</i> , 2021, 12, 643589.	1.5	18
13	Comparison of the effectiveness of biochar vs. magnesite amendments to immobilize metals and restore a polluted soil. <i>Environmental Geochemistry and Health</i> , 2021, 43, 5053-5064.	1.8	5
14	Phytoremediation Potential of Native Herbaceous Plant Species Growing on a Paradigmatic Brownfield Site. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	13
15	Screening of Pioneer Metallophyte Plant Species with Phytoremediation Potential at a Severely Contaminated Hg and As Mining Site. <i>Environments - MDPI</i> , 2021, 8, 63.	1.5	8
16	Short-term experiment for the in situ stabilization of a polluted soil using mining and biomass waste. <i>Journal of Environmental Management</i> , 2021, 296, 113179.	3.8	11
17	Nanomaterials for soil remediation: Pollutant immobilization and opportunities for hybrid technologies. , 2021, , 701-723.		6
18	Local versus Regional Soil Screening Levels to Identify Potentially Polluted Areas. <i>Mathematical Geosciences</i> , 2020, 52, 381-396.	1.4	11

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19	Zero valent iron and goethite nanoparticles as new promising remediation techniques for As-polluted soils. <i>Chemosphere</i> , 2020, 238, 124624.	4.2	79
20	A novel and synergistic geostatistical approach to identify sources and cores of Potentially Toxic Elements in soils: An application in the region of Cantabria (Northern Spain). <i>Journal of Geochemical Exploration</i> , 2020, 208, 106397.	1.5	11
21	Benzo[a]pyrene sourcing and abundance in a coal region in transition reveals historical pollution, rendering soil screening levels impractical. <i>Environmental Pollution</i> , 2020, 266, 115341.	3.7	20
22	Correlation between Geochemical and Multispectral Patterns in an Area Severely Contaminated by Former Hg-As Mining. <i>ISPRS International Journal of Geo-Information</i> , 2020, 9, 739.	1.4	8
23	Effects of Different In Situ Remediation Strategies for an As-Polluted Soil on Human Health Risk, Soil Properties, and Vegetation. <i>Agronomy</i> , 2020, 10, 759.	1.3	9
24	Magnetite nanoparticles for the remediation of soils co-contaminated with As and PAHs. <i>Chemical Engineering Journal</i> , 2020, 399, 125809.	6.6	48
25	Application of biochar, compost and ZVI nanoparticles for the remediation of As, Cu, Pb and Zn polluted soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33681-33691.	2.7	33
26	Nanoremediation of As and metals polluted soils by means of graphene oxide nanoparticles. <i>Scientific Reports</i> , 2020, 10, 1896.	1.6	90
27	Arsenic release from pyrite ash waste over an active hydrogeological system and its effects on water quality. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10672-10684.	2.7	21
28	Environmental forensics of complexly contaminated sites: A complimentary fingerprinting approach. <i>Environmental Pollution</i> , 2020, 263, 114645.	3.7	12
29	Bioaugmentation Treatment of a PAH-Polluted Soil in a Slurry Bioreactor. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2837.	1.3	22
30	A multi-faceted, environmental forensic characterization of a paradigmatic brownfield polluted by hazardous waste containing Hg, As, PAHs and dioxins. <i>Science of the Total Environment</i> , 2020, 726, 138546.	3.9	15
31	Reuse of Dunite Mining Waste and Subproducts for the Stabilization of Metal(oid)s in Polluted Soils. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 481.	0.8	6
32	Environmental forensic characterization of former rail yard soils located adjacent to the Statue of Liberty in the New York/New Jersey harbor. <i>Science of the Total Environment</i> , 2019, 690, 1019-1034.	3.9	14
33	A multivariate examination of the timing and accumulation of potentially toxic elements at Las Conchas bog (NW Spain). <i>Environmental Pollution</i> , 2019, 254, 113048.	3.7	13
34	Contribution of fluorite mining waste to mercury contamination in coastal systems. <i>Marine Pollution Bulletin</i> , 2019, 149, 110576.	2.3	7
35	Nanoremediation and long-term monitoring of brownfield soil highly polluted with As and Hg. <i>Science of the Total Environment</i> , 2019, 675, 165-175.	3.9	60
36	Co-occurrence of Organic and Inorganic Contaminants in Former Hg-As Mining Sites. , 2019, , .		0

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37	A coupled multivariate statistics, geostatistical and machine-learning approach to address soil pollution in a prototypical Hg-mining site in a natural reserve. <i>Chemosphere</i> , 2019, 218, 767-777.	4.2	22
38	Assessment of mercury pollution sources in beach sand and coastal soil by speciation analysis. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	11
39	Nanoscale zero-valent iron-assisted soil washing for the removal of potentially toxic elements. <i>Journal of Hazardous Materials</i> , 2018, 350, 55-65.	6.5	45
40	Combining raw and compositional data to determine the spatial patterns of Potentially Toxic Elements in soils. <i>Science of the Total Environment</i> , 2018, 631-632, 1117-1126.	3.9	20
41	GEOCHEMICAL EVALUATION OF CRUDE OILS FROM THE CARACARA AND TIPLE AREAS, EASTERN LLANOS BASIN, COLOMBIA: PALAEO BIODEGRADATION AND OIL MIXING. <i>Journal of Petroleum Geology</i> , 2018, 41, 113-134.	0.9	6
42	Long-term ongoing impact of arsenic contamination on the environmental compartments of a former mining-metallurgy area. <i>Science of the Total Environment</i> , 2018, 610-611, 820-830.	3.9	41
43	Mineral Processing Technologies for the Remediation of Soils Polluted by Trace Elements. <i>Proceedings (mdpi)</i> , 2018, 2, 1458.	0.2	0
44	Environmental Forensic Study and Remediation Feasibility in an Abandoned Industrial Site. <i>Proceedings (mdpi)</i> , 2018, 2, 1503.	0.2	3
45	Environmental Threats of Ancient Pb Mining and Metallurgical Activities in the Linares Mining District (Southern Spain). <i>Proceedings (mdpi)</i> , 2018, 2, 1459.	0.2	1
46	Environmental Forensics Study of Crude Oil and Petroleum Product Spills in Coastal and Oilfield Settings. , 2018, , 131-155.		4
47	Optimization of Landfarming Amendments Based on Soil Texture and Crude Oil Concentration. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	20
48	Phytoremediation capability of native plant species living on Pb-Zn and Hg-As mining wastes in the Cantabrian range, north of Spain. <i>Journal of Geochemical Exploration</i> , 2017, 174, 10-20.	1.5	96
49	Comparing different commercial zero valent iron nanoparticles to immobilize As and Hg in brownfield soil. <i>Science of the Total Environment</i> , 2017, 584-585, 1324-1332.	3.9	101
50	Use of Endophytic and Rhizosphere Bacteria To Improve Phytoremediation of Arsenic-Contaminated Industrial Soils by Autochthonous <i>Betula celtiberica</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	105
51	Enhanced Soil Washing for the Remediation of a Brownfield Polluted by Pyrite Ash. <i>Soil and Sediment Contamination</i> , 2017, 26, 377-390.	1.1	7
52	An assessment of the environmental fate of mercury species in highly polluted brownfields by means of thermal desorption. <i>Journal of Hazardous Materials</i> , 2017, 325, 1-7.	6.5	67
53	Developing a new Bayesian Risk Index for risk evaluation of soil contamination. <i>Science of the Total Environment</i> , 2017, 603-604, 167-177.	3.9	31
54	Analyzing coastal environments by means of functional data analysis. <i>Sedimentary Geology</i> , 2017, 357, 99-108.	1.0	6

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55	Trace elements of concern affecting urban agriculture in industrialized areas: A multivariate approach. <i>Chemosphere</i> , 2017, 183, 546-556.	4.2	40
56	Geochemical study of a mining-metallurgy site polluted with As and Hg and the transfer of these contaminants to <i>Equisetum</i> sp. <i>Journal of Geochemical Exploration</i> , 2017, 182, 1-9.	1.5	17
57	Diagnostic ratios for the rapid evaluation of natural attenuation of heavy fuel oil pollution along shores. <i>Chemosphere</i> , 2017, 184, 1089-1098.	4.2	15
58	Soil washing optimization by means of attributive analysis: Case study for the removal of potentially toxic elements from soil contaminated with pyrite ash. <i>Journal of Cleaner Production</i> , 2017, 142, 2693-2699.	4.6	32
59	Bacterial, Archaeal, and Eukaryotic Diversity across Distinct Microhabitats in an Acid Mine Drainage. <i>Frontiers in Microbiology</i> , 2017, 8, 1756.	1.5	88
60	Insights into a 20-ha multi-contaminated brownfield megasite: An environmental forensics approach. <i>Science of the Total Environment</i> , 2016, 563-564, 683-692.	3.9	38
61	Human health risk assessment in restoring safe and productive use of abandoned contaminated sites. <i>Environment International</i> , 2016, 94, 436-448.	4.8	84
62	Biomarkers and inorganic proxies in the paleoenvironmental reconstruction of mires: The importance of landscape in Las Conchas (Asturias, Northern Spain). <i>Organic Geochemistry</i> , 2016, 95, 41-54.	0.9	25
63	A nanoremediation strategy for the recovery of an As-polluted soil. <i>Chemosphere</i> , 2016, 149, 137-145.	4.2	111
64	Intra- and inter-field compositional changes of oils from the Misoa B4 reservoir in the Ceuta Southeast Area (Lake Maracaibo, Venezuela). <i>Fuel</i> , 2016, 167, 118-134.	3.4	14
65	Element enrichment factor calculation using grain-size distribution and functional data regression. <i>Chemosphere</i> , 2015, 119, 1192-1199.	4.2	10
66	Pyrolysis GC-MS for the rapid environmental forensic screening of contaminated brownfield soil. <i>Organic Geochemistry</i> , 2015, 87, 9-20.	0.9	20
67	Comprehensive waste characterization and organic pollution co-occurrence in a Hg and As mining and metallurgy brownfield. <i>Journal of Hazardous Materials</i> , 2015, 300, 561-571.	6.5	58
68	Microbial stratification in low pH oxic and suboxic macroscopic growths along an acid mine drainage. <i>ISME Journal</i> , 2014, 8, 1259-1274.	4.4	105
69	Origin, patterns and anthropogenic accumulation of potentially toxic elements (PTEs) in surface sediments of the AvilÃ©s estuary (Asturias, northern Spain). <i>Marine Pollution Bulletin</i> , 2014, 86, 530-538.	2.3	29
70	Optimisation of magnetic separation: A case study for soil washing at a heavy metals polluted site. <i>Chemosphere</i> , 2014, 107, 290-296.	4.2	25
71	Design and field-scale implementation of an <i>in situ</i> bioremediation treatment in PAH-polluted soil. <i>Environmental Pollution</i> , 2013, 181, 190-199.	3.7	39
72	Functional data analysis as a tool to correlate textural and geochemical data. <i>Applied Mathematics and Computation</i> , 2013, 223, 476-482.	1.4	6

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73	Multivariate study of trace element distribution in the geological record of RoÃ±anzas Peat Bog (Asturias, N. Spain). Paleoenvironmental evolution and human activities over the last 8000calyr BP. <i>Science of the Total Environment</i> , 2013, 454-455, 16-29.	3.9	56
74	Using gas geochemistry to delineate structural compartments and assess petroleum reservoir-filling directions: A Venezuelan case study. <i>Journal of South American Earth Sciences</i> , 2013, 43, 1-7.	0.6	9
75	Functional outlier detection in grain-size distribution curves of detrital sediments. <i>Sedimentary Geology</i> , 2013, 297, 31-37.	1.0	4
76	High intensity magnetic separation for the clean-up of a site polluted by lead metallurgy. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 194-201.	6.5	28
77	Compositional variability in oils and formation waters from the Ayoluengo and HontomÃ±n fields (Burgos, Spain). Implications for assessing biodegradation and reservoir compartmentalization. <i>Organic Geochemistry</i> , 2013, 54, 125-139.	0.9	13
78	Nanofiltration of Acid Mine Drainage in an Abandoned Mercury Mining Area. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	32
79	GEOCHEMICAL COMPOSITION OF BEACH TAR FROM THE SE COAST OF THE PARIA PENINSULA, NE VENEZUELA: DERIVATION FROM NATURAL SEEPAGES. <i>Journal of Petroleum Geology</i> , 2013, 36, 179-193.	0.9	2
80	Metaproteogenomic insights beyond bacterial response to naphthalene exposure and bio-stimulation. <i>ISME Journal</i> , 2013, 7, 122-136.	4.4	124
81	Geochemistry and chemostratigraphy of the ColÃ³n-Mito Juan units (Campanian-Maastrichtian), Venezuela: Implications for provenance, depositional conditions, and stratigraphic subdivision. <i>Geochemical Journal</i> , 2013, 47, 537-546.	0.5	3
82	n-Alkan-2-ones in peat-forming plants from the RoÃ±anzas ombrotrophic bog (Asturias, northern) <i>Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50</i>	0.9	59
83	Feasibility study on the use of soil washing to remediate the AsÃ±Hg contamination at an ancient mining and metallurgy area. <i>Journal of Hazardous Materials</i> , 2011, 196, 93-100.	6.5	49
84	Full-Scale Remediation of a Jet Fuel-Contaminated Soil: Assessment of Biodegradation, Volatilization, and Bioavailability. <i>Water, Air, and Soil Pollution</i> , 2011, 217, 197-211.	1.1	27
85	Analysis of soil washing effectiveness to remediate a brownfield polluted with pyrite ashes. <i>Journal of Hazardous Materials</i> , 2010, 180, 602-608.	6.5	47
86	CRUDE OIL BIODEGRADATION AND ENVIRONMENTAL FACTORS AT THE RIUTORT OIL SHALE MINE, SE PYRENEES. <i>Journal of Petroleum Geology</i> , 2010, 33, 123-139.	0.9	14
87	Palaeoenvironmental reconstruction of Northern Spain during the last 8000calyr BP based on the biomarker content of the RoÃ±anzas peat bog (Asturias). <i>Organic Geochemistry</i> , 2010, 41, 454-466.	0.9	66
88	Weathering processes only partially limit the potential for bioremediation of hydrocarbon-contaminated soils. <i>Organic Geochemistry</i> , 2010, 41, 896-900.	0.9	18
89	Bioremediation of Petroleum Hydrocarbons in Cold Regions - Edited by Dennis M Filler, Ian Snape and David L Barnes. <i>Geographical Journal</i> , 2009, 175, 323-323.	1.6	0
90	Engineered in situ bioremediation of soil and groundwater polluted with weathered hydrocarbons. <i>European Journal of Soil Biology</i> , 2007, 43, 310-321.	1.4	51

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91	Bioremediation for Shoreline Cleanup: In Situ vs. On-Site Treatments. Environmental Engineering Science, 2007, 24, 493-504.	0.8	28
92	Biodegradation of Oil Tank Bottom Sludge using Microbial Consortia. Biodegradation, 2007, 18, 269-281.	1.5	76
93	Natural attenuation and bioremediation of Prestige fuel oil along the Atlantic coast of Galicia (Spain). Organic Geochemistry, 2006, 37, 1869-1884.	0.9	59
94	Photodegradation of polycyclic aromatic hydrocarbons in fossil fuels catalysed by supported TiO ₂ . Applied Catalysis B: Environmental, 2006, 67, 279-289.	10.8	47
95	Investigation of trace element sources from an industrialized area (AvilÃ©s, northern Spain) using multivariate statistical methods. Environment International, 2002, 27, 589-596.	4.8	129
96	Bioremediation of diesel-contaminated soils: evaluation of potential in situ techniques by study of bacterial degradation. Biodegradation, 2001, 12, 325-335.	1.5	218
97	Geochemical characterisation of mercury mining spoil heaps in the area of Mieres (Asturias, northern)	1.5	87
98	On Site Bioremediation and Washing Techniques in a Cobble Beach Affected by Prestige Oil Spill. , 0, , 556-560.		0