Carmen Perez-Sirvent

List of Publications by Year
in descending order

64 papers	2,320 citations	236833 25 h-index	214721 47 g-index
65 all docs	65 docs citations	65 times ranked	2834 citing authors

#	Article	IF	Citations
1	Assessment of risk from lead intake in mining areas: proposal of indicators. Environmental Geochemistry and Health, 2022, 44, 447-463.	1.8	3
2	Uptake of potentially toxic elements by edible plants in experimental mining Technosols: preliminary assessment. Environmental Geochemistry and Health, 2022, 44, 1649-1665.	1.8	4
3	Phytoremediation of potentially toxic elements using constructed wetlands in coastal areas with a mining influence. Environmental Geochemistry and Health, 2021, 43, 1385-1400.	1.8	4
4	Do Old Mining Areas Represent an Environmental Problem and Health Risk? A Critical Discussion through a Particular Case. Minerals (Basel, Switzerland), 2021, 11, 594.	0.8	12
5	Assessment of the risk associated with mining-derived arsenic inputs in a lagoon system. Environmental Geochemistry and Health, 2020, 42, 2439-2450.	1.8	8
6	Arsenic zoning in a coastal area of the Mediterranean Sea as a base for management and recovery of areas contaminated by old mining activities. Applied Clay Science, 2020, 199, 105881.	2.6	10
7	In situ chemical immobilisation by limestone filler of potentially harmful metal(loid) in contaminated soils: Monitoring by Raman spectroscopy. Applied Geochemistry, 2019, 111, 104441.	1.4	7
8	Characterization and mobilization of toxic metals from electrolytic zinc waste. Chemosphere, 2019, 233, 414-421.	4.2	4
9	Potential bioavailability assessment and distribution of heavy metal(oids) in cores from Portman Bay (SE, Spain). Geochemistry: Exploration, Environment, Analysis, 2019, 19, 193-200.	0.5	3
10	Inorganic arsenic causes apoptosis cell death and immunotoxicity on European sea bass (Dicentrarchus labrax). Marine Pollution Bulletin, 2018, 128, 324-332.	2.3	18
11	Assessment of potentially toxic element contamination in soils from Portman Bay (SE, Spain). Journal of Soils and Sediments, 2018, 18, 2248-2258.	1.5	11
12	Head kidney, liver and skin histopathology and gene expression in gilthead seabream (Sparus aurata L.) exposed to highly polluted marine sediments from Portman Bay (Spain). Chemosphere, 2017, 174, 563-571.	4.2	15
13	Metal uptake by wetland plants: implications for phytoremediation and restoration. Journal of Soils and Sediments, 2017, 17, 1384-1393.	1.5	25
14	Optimization of Copper Removal from Aqueous Solutions Using Emulsion Liquid Membranes with Benzoylacetone as a Carrier. Metals, 2017, 7, 19.	1.0	12
15	Proposals for the Remediation of Soils Affected by Mining Activities in Southeast Spain. , 2017, , 297-328.		1
16	Ecoefficient In Situ Technologies for the Remediation of Sites Affected by Old Mining Activities: The Case of Portman Bay. , 2017, , 355-373.		4
17	Impact of acid mine drainages on surficial waters of an abandoned mining site. Environmental Science and Pollution Research, 2016, 23, 6014-6023.	2.7	22
18	Influence of waterborne arsenic on nutritive and potentially harmful elements in gilthead seabream (Sparus aurata). Environmental Monitoring and Assessment, 2016, 188, 620.	1.3	1

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19	Geochemical characterisation of surface waters, topsoils and efflorescences in a historic metal-mining area in Spain. Journal of Soils and Sediments, 2016, 16, 1238-1252.	1.5	32
20	Exposure of the gilthead seabream (Sparus aurata) to sediments contaminated with heavy metals down-regulates the gene expression of stress biomarkers. Toxicology Reports, 2016, 3, 364-372.	1.6	30
21	Geogenic Distribution of Arsenic (As) and Antimony (Sb) in Soils of the Murcia Region in Spain. Environmental Forensics, 2015, 16, 88-95.	1.3	7
22	Heavy metal immobilisation by limestone filler in soils contaminated by mining activities: Effects on metal leaching and ecotoxicity. International Journal of Mining, Reclamation and Environment, 2014, 28, 414-425.	1.2	7
23	Soil Pollution and Reclamation. Journal of Geochemical Exploration, 2014, 147, 77-79.	1.5	10
24	Application of a plant bioassay for the evaluation of ecotoxicological risks of heavy metals in sediments affected by mining activities. Journal of Soils and Sediments, 2014, 14, 1753-1765.	1.5	13
25	Screening of wild plants for use in the phytoremediation of mining-influenced soils containing arsenic in semiarid environments. Journal of Soils and Sediments, 2014, 14, 794-809.	1.5	27
26	Isotope geochemistry of waters affected by mining activities in Sierra Minera and Portman Bay (SE,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	9
27	A Preliminary Zonation to Support the Remediation and the Risk Assessment of an Area Contaminated by Potentially Toxic Elements in Murcia Region (SE, Spain). Procedia Earth and Planetary Science, 2014, 10, 388-391.	0.6	5
28	Potentially harmful elements in soils. Journal of Geochemical Exploration, 2014, 144, 217-219.	1.5	0
29	Mobility indices for the assessment of metal contamination in soils affected by old mining activities. Journal of Geochemical Exploration, 2014, 147, 117-129.	1.5	29
30	Critical Zone Remediation by Using Environmental Geoengineering Projects. Procedia Earth and Planetary Science, 2014, 10, 392-398.	0.6	4
31	Radioactive chemical species in soils: Pollution and remediation. Journal of Geochemical Exploration, 2014, 142, 1-3.	1.5	2
32	Use of bioassays for the assessment of areas affected by phosphate industry wastes. Journal of Geochemical Exploration, 2014, 147, 130-138.	1.5	17
33	Importance of the oral arsenic bioaccessibility factor for characterising the risk associated with soil ingestion in a mining-influenced zone. Journal of Environmental Management, 2013, 116, 10-17.	3.8	37
34	Immunotoxicological effects of inorganic arsenic on gilthead seabream (Sparus aurata L.). Aquatic Toxicology, 2013, 134-135, 112-119.	1.9	37
35	Accumulation, histopathology and immunotoxicological effects of waterborne cadmium on gilthead seabream (Sparus aurata). Fish and Shellfish Immunology, 2013, 35, 792-800.	1.6	61
36	Spatial distribution and sources of trace elements in sediments affected by old mining activities. Environmental Monitoring and Assessment, 2012, 184, 7041-7052.	1.3	2

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37	Trace elements contamination in an abandoned mining site in a semiarid zone. Journal of Geochemical Exploration, 2012, 113, 23-35.	1.5	78
38	Weathering processes in waste materials from a mining area in a semiarid zone. Applied Geochemistry, 2012, 27, 1991-2000.	1.4	22
39	Trace element accumulation in plants from an aridic area affected by mining activities. Journal of Geochemical Exploration, 2012, 123, 8-12.	1.5	57
40	Distribution and bioaccumulation of arsenic and antimony in Dittrichia viscosa growing in mining-affected semiarid soils in southeast Spain. Journal of Geochemical Exploration, 2012, 123, 128-135.	1.5	51
41	Phytoremediation of polluted soils. Journal of Geochemical Exploration, 2012, 123, 1-2.	1.5	6
42	Monitoring salinization processes in soils by using a chemical degradation indicator. Journal of Geochemical Exploration, 2011, 109, 1-7.	1.5	5
43	Evaluation of arsenic in soils and plant uptake using various chemical extraction methods in soils affected by old mining activities. Geoderma, 2011, 160, 535-541.	2.3	56
44	Use of marble cutting sludges for remediating soils and sediments contaminated by heavy metals. Environmental Progress and Sustainable Energy, 2011, 30, 533-539.	1.3	11
45	Antimony distribution in soils and plants near an abandoned mining site. Microchemical Journal, 2011, 97, 52-56.	2.3	29
46	Developing and applying a GIS-assisted approach to evaluate visual impact in wind farms. Renewable Energy, 2011, 36, 1125-1132.	4.3	56
47	Symbolic use of marine shells and mineral pigments by Iberian Neandertals. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1023-1028.	3.3	519
48	Selenium content in soils from Murcia Region (SE, Spain). Journal of Geochemical Exploration, 2010, 107, 100-109.	1.5	14
49	Selenium and iodine anomalies in soils and health. Journal of Geochemical Exploration, 2010, 107, v-vi.	1.5	1
50	Ecotoxicological evaluation for the screening of areas polluted by mining activities. Ecotoxicology, 2009, 18, 1077-1086.	1.1	37
51	Geochemical background levels of zinc, cadmium and mercury in anthropically influenced soils located in a semi-arid zone (SE, Spain). Geoderma, 2009, 148, 307-317.	2.3	53
52	Testing of the Region of Murcia soils by near infrared diffuse reflectance spectroscopy and chemometrics. Talanta, 2009, 78, 388-398.	2.9	39
53	Assessment of the mobility of metals in a mining-impacted coastal area (Spain, Western) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.5	69
54	Abandoned mine sites as a source of contamination by heavy metals: A case study in a semi-arid zone. Journal of Geochemical Exploration, 2008, 96, 183-193.	1.5	422

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55	Metal-contaminated soil remediation by using sludges of the marble industry: Toxicological evaluation. Environment International, 2007, 33, 502-504.	4.8	31
56	Comparison of two derivatizing agents for the simultaneous determination of selenite and organoselenium species by gas chromatography and atomic emission detection after preconcentration using solid-phase microextraction. Journal of Chromatography A, 2007, 1165, 191-199.	1.8	30
57	Application of biochemical and X-ray diffraction analyses to establish the postmortem interval. Forensic Science International, 2007, 172, 112-118.	1.3	29
58	Instrumental modification intended to save time, and volumes of sample and reagent solutions, in the atomic fluorescence spectrometric determination of mercury. Analytical and Bioanalytical Chemistry, 2007, 388, 495-498.	1.9	7
59	Lead, cadmium and arsenic bioavailability in the abandoned mine site of Cabezo Rajao (Murcia, SE Spain). Chemosphere, 2006, 63, 484-489.	4.2	60
60	Diagenesis, not biogenesis: Two late Roman skeletal examples. Science of the Total Environment, 2006, 369, 357-368.	3.9	54
61	Origin and behaviour of heavy metals in agricultural Calcaric Fluvisols in semiarid conditions. Geoderma, 2004, 121, 257-270.	2.3	20
62	The role of low-quality irrigation water in the desertification of semi-arid zones in Murcia, SE Spain. Geoderma, 2003, 113, 109-125.	2.3	34
63	Environmental transfer of zinc in calcareous soils in zones near old mining sites with semi-aridic climate. Chemosphere, 1999, 39, 209-227.	4.2	24
64	Flow injection flame atomic absorption spectrometry for slurry atomization: Determination of manganese, lead, zinc, calcium, magnesium, iron, sodium and potassium in cements. Fresenius' Journal of Analytical Chemistry, 1994, 350, 359-364.	1.5	12