Stefano Romano

List of Publications by Year
in descending order

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18	235	1163117 8	996975 15
papers	citations	h-index	g-index

18	18	18	281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A review on the microwave heating as a sustainable technique for environmental remediation/detoxification applications. Renewable and Sustainable Energy Reviews, 2018, 95, 147-170.	16.4	97
2	Stabilisation/solidification of radionuclide polluted soils â€" Part I: Assessment of setting time, mechanical resistance, Î³-radiation shielding and leachate Î³-radiation. Journal of Geochemical Exploration, 2014, 142, 104-111.	3.2	25
3	Microwave heating coupled with UV-A irradiation for PAH removal from highly contaminated marine sediments and subsequent photo-degradation of the generated vaporized organic compounds. Chemical Engineering Journal, 2018, 334, 172-183.	12.7	22
4	Indirect Study of the Astrophysically Relevant6Li(p, Î±)3He Reaction by Means of the Trojan Horse Method. Progress of Theoretical Physics Supplement, 2004, 154, 341-348.	0.1	16
5	Stabilisation/solidification of 137Cs-contaminated soils using novel high-density grouts: Î³-ray shielding properties, contaminant immobilisation and a Î³RS index-based approach for in situ applicability. Chemosphere, 2017, 168, 1257-1266.	8.2	11
6	Physico-magnetic properties and dynamics of magnetite (Fe3O4) nanoparticles (MNPs) under the effect of permanent magnetic fields in contaminated water treatment applications. Separation and Purification Technology, 2022, 296, 121342.	7.9	11
7	Performance study and influence of radiation emission energy and soil contamination level on Î³-radiation shielding of stabilised/solidified radionuclide-polluted soils. Journal of Environmental Radioactivity, 2015, 143, 20-28.	1.7	10
8	Microwave based regenerating permeable reactive barriers (MW-PRBs): Proof of concept and application for Cs removal. Chemosphere, 2020, 251, 126582.	8.2	9
9	Stabilisation/Solidification of soils contaminated by mining activities: Influence of barite powder and grout content on Î³-radiation shielding, unconfined compressive strength and 232Th immobilisation. Journal of Geochemical Exploration, 2017, 174, 140-147.	3.2	7
10	Field technical applicability and cost analysis for microwave based regenerating permeable reactive barriers (MW-PRBs) operating in Cs-contaminated groundwater treatment. Journal of Environmental Management, 2020, 260, 110064.	7.8	7
11	Nuclear Astrophysics at ELI-NP: the ELISSA prototype tested at Laboratori Nazionali del Sud. EPJ Web of Conferences, 2017, 165, 01026.	0.3	6
12	Preliminary investigation for quali-quantitative characterization of soils contaminated with 241Am and 152Eu by low-altitude unmanned aerial vehicles (UAVs) equipped with small size Î³-ray spectrometer: detection efficiency and minimum detectable activity (MDA) concentration assessment. Journal of Soils and Sediments, 2018, 18, 2399-2409.	3.0	6
13	Chemically assisted 2.45ÂGHz microwave irradiation for the simultaneous removal of mercury and organics from contaminated marine sediments. Clean Technologies and Environmental Policy, 2019, 21, 655-666.	4.1	4
14	Application of a Î³RS index-based method and techno-economic analysis for in situ treatment of 137 Cs-contaminated soils by cement-barite based stabilisation/solidification. Journal of Environmental Management, 2017, 197, 619-630.	7.8	3
15	The Trojan Horse Method in Nuclear Astrophysics. EPJ Web of Conferences, 2018, 184, 01016.	0.3	1
16	Reclamation of Sites Impacted by Mining Activities: Stabilization/Solidification of 232 Th-Contaminated Soils. , 2017, , 329-354.		0
17	New direct measurement of the10B(p,Î±)7Be reaction with the activation technique. EPJ Web of Conferences, 2017, 165, 01021.	0.3	0
18	The 10B(p,Î±)7Be S(E)-factor from 5 keV to 1.5 MeV using the Trojan Horse Method. EPJ Web of Conferences, 2017, 165, 01042.	0.3	0