

# Stefano Romano

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

235  
citations

1163117

8  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physico-magnetic properties and dynamics of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles (MNPs) under the effect of permanent magnetic fields in contaminated water treatment applications. Separation and Purification Technology, 2022, 296, 121342.	7.9	11
2	Microwave based regenerating permeable reactive barriers (MW-PRBs): Proof of concept and application for Cs removal. Chemosphere, 2020, 251, 126582.	8.2	9
3	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
4	Chemically assisted 2.45 GHz 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
5	Preliminary investigation for quali-quantitative characterization of soils contaminated with <sup>241</sup> Am and <sup>152</sup> Eu by low-altitude unmanned aerial vehicles (UAVs) equipped with small size <sup>137</sup> Cs-ray spectrometer: detection efficiency and minimum detectable activity (MDA) concentration assessment. Journal of Soils and Sediments, 2018, 18, 2399-2409.	3.0	6
6	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
7	The Trojan Horse Method in Nuclear Astrophysics. EPJ Web of Conferences, 2018, 184, 01016.	0.3	1
8	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
9	Stabilisation/Solidification of soils contaminated by mining activities: Influence of barite powder and grout content on <sup>137</sup> Cs-radiation shielding, unconfined compressive strength and <sup>232</sup> Th immobilisation. Journal of Geochemical Exploration, 2017, 174, 140-147.	3.2	7
10	Application of a <sup>137</sup> Cs index-based method and techno-economic analysis for in situ treatment of <sup>137</sup> Cs-contaminated soils by cement-barite based stabilisation/solidification. Journal of Environmental Management, 2017, 197, 619-630.	7.8	3
11	Stabilisation/solidification of <sup>137</sup> Cs-contaminated soils using novel high-density grouts: <sup>137</sup> Cs-ray shielding properties, contaminant immobilisation and a <sup>137</sup> Cs index-based approach for in situ applicability. Chemosphere, 2017, 168, 1257-1266.	8.2	11
12	Reclamation of Sites Impacted by Mining Activities: Stabilization/Solidification of <sup>232</sup> Th-Contaminated Soils. , 2017, , 329-354.		0
13	New direct measurement of the <sup>10</sup> B(p, <sup>1±</sup> ) <sup>7</sup> Be reaction with the activation technique. EPJ Web of Conferences, 2017, 165, 01021.	0.3	0
14	Nuclear Astrophysics at ELI-NP: the ELISSA prototype tested at Laboratori Nazionali del Sud. EPJ Web of Conferences, 2017, 165, 01026.	0.3	6
15	The <sup>10</sup> B(p, <sup>1±</sup> ) <sup>7</sup> Be 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
16	Performance study and influence of radiation emission energy and soil contamination level on <sup>137</sup> Cs-radiation shielding of stabilised/solidified radionuclide-polluted soils. Journal of Environmental Radioactivity, 2015, 143, 20-28.	1.7	10
17	Stabilisation/solidification of radionuclide polluted soils " Part I: Assessment of setting time, mechanical resistance, <sup>137</sup> Cs-radiation shielding and leachate <sup>137</sup> Cs-radiation. Journal of Geochemical Exploration, 2014, 142, 104-111.	3.2	25
18	Indirect Study of the Astrophysically Relevant <sup>6</sup> Li(p, <sup>1±</sup> ) <sup>3</sup> He Reaction by Means of the Trojan Horse Method. Progress of Theoretical Physics Supplement, 2004, 154, 341-348.	0.1	16