

HÃ©ctor BagÃ¡n Navarro

List of Publications by Year in descending order

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38
papers

427
citations

623734

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794594

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38
all docs

38
docs citations

38
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanohybrid polymer brushes on silica for bioseparation. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3247-3256.	5.8	44
2	Radiostrontium separation and measurement in a single step using plastic scintillators plus selective extractants. Application to aqueous sample analysis. <i>Analytica Chimica Acta</i> , 2011, 686, 50-56.	5.4	30
3	Synthesis of plastic scintillation microspheres: Evaluation of scintillators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 698, 106-116.	1.6	27
4	Synthesis and characterization of epitope-imprinted polymers for purification of human hemoglobin. <i>RSC Advances</i> , 2017, 7, 41705-41712.	3.6	27
5	Analysis of ²¹⁰ Pb in water samples with plastic scintillation resins. <i>Analytica Chimica Acta</i> , 2016, 940, 38-45.	5.4	24
6	Plastic scintillators and related analytical procedures for radionuclide analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 555-572.	1.5	22
7	Systematic study of particle quenching in organic scintillators. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 698, 26-36.	1.6	21
8	Plastic vs. Liquid Scintillation for ¹⁴ C radiotracers determination in high salt matrices. <i>Analytica Chimica Acta</i> , 2009, 631, 229-236.	5.4	19
9	A new plastic scintillation resin for single-step separation, concentration and measurement of technetium-99. <i>Analytica Chimica Acta</i> , 2016, 936, 259-266.	5.4	19
10	Rapid method for radiostrontium determination in milk in emergency situations using PS resin. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 315, 543-555.	1.5	18
11	Determination of oil reservoir radiotracer (¹⁴ CNâ) in a single step using a plastic scintillator extractive resin. <i>Analytica Chimica Acta</i> , 2012, 736, 30-35.	5.4	16
12	Influence of composition and roughness on the pigment mapping of paintings using mid-infrared fiberoptics reflectance spectroscopy (mid-IR FORS) and multivariate calibration. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6735-6747.	3.7	15
13	Synthesis of plastic scintillation microspheres: Alpha/beta discrimination. <i>Applied Radiation and Isotopes</i> , 2014, 93, 18-28.	1.5	14
14	Crosslinked plastic scintillators: A new detection system for radioactivity measurement in organic and aggressive media. <i>Analytica Chimica Acta</i> , 2014, 852, 13-19.	5.4	14
15	Alpha/beta pulse shape discrimination in plastic scintillation using commercial scintillation detectors. <i>Analytica Chimica Acta</i> , 2010, 670, 11-17.	5.4	13
16	Polystyrene based sub-micron scintillating particles produced by supercritical anti-solvent precipitation. <i>Journal of Supercritical Fluids</i> , 2015, 103, 18-27.	3.2	13
17	Liquid scintillation analysis: principles and practice. , 2020, , 575-801.		10
18	Mixture quantification using PLS in plastic scintillation measurements. <i>Applied Radiation and Isotopes</i> , 2011, 69, 898-903.	1.5	8

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19	Classical vs. evolved quenching parameters and procedures in scintillation measurements: The importance of ionization quenching. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 592, 361-368.	1.6	7
20	Evaluation of MidIR fibre optic reflectance: Detection limit, reproducibility and binary mixture discrimination. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 617-628.	3.9	7
21	Investigation of the possible origins of sulfur in 19th century salted paper photographs by x-ray fluorescence spectroscopy. <i>X-Ray Spectrometry</i> , 2016, 45, 176-184.	1.4	7
22	Thermoresponsive Polymer Brushes on Organic Microspheres for Biomolecular Separation and Immobilization. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600432.	2.2	7
23	Rapid methods for radiostrontium determination in aerosol filters and vegetation in emergency situations using PS resin. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1397-1408.	1.5	6
24	Automated separation of ⁹⁹ Tc using plastic scintillation resin PSresin and openview automated modular separation system (OPENVIEW-AMSS). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 1057-1065.	1.5	5
25	Evaluation of synthesis conditions for plastic scintillation foils used to measure alpha- and beta-emitting radionuclides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 135-145.	1.5	5
26	PSresin for the analysis of alpha-emitting radionuclides: Comparison of diphosphonic acid-based extractants. <i>Applied Radiation and Isotopes</i> , 2021, 178, 109969.	1.5	5
27	Capability of Far-Infrared for the selective identification of red and black pigments in paint layers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120411.	3.9	5
28	Application of the CIEMAT-NIST method to plastic scintillation microspheres. <i>Applied Radiation and Isotopes</i> , 2015, 98, 13-22.	1.5	4
29	Effects of variability sources on analysis of the composition of large ancient metal objects. <i>Microchemical Journal</i> , 2017, 134, 309-316.	4.5	3
30	Alpha/beta indices determination in drinking water using plastic scintillation and evaporation to dryness. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 533-542.	1.5	2
31	Production of polystyrene-based scintillation microspheres for the measurement of radioactivity by spray-drying. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 308, 789-799.	1.5	2
32	Development and evaluation of a plastic scintillating resin for radioactive tin determination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 207-215.	1.5	2
33	Material characterization and functional implications of a Claude Laurent glass flute. <i>Microchemical Journal</i> , 2020, 155, 104734.	4.5	2
34	Analysis of isotopes of plutonium in water samples with a PSresin based on aliquat-336. <i>Applied Radiation and Isotopes</i> , 2022, 187, 110333.	1.5	2
35	Comparative study of pre-treatment procedures for ³ H monitoring in water samples from environmental protection programs. <i>Science of the Total Environment</i> , 2010, 408, 2233-2238.	8.0	1
36	Skill development in experimental courses. <i>Journal of Technology and Science Education</i> , 2015, 5, .	1.2	1

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37	Active teaching strategies for introducing radioanalytical techniques in analytical chemistry master degree: 40K determination in Bananas. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 1905-1914.	1.5	0
38	Plastic Scintillators in Environmental Analysis. Topics in Applied Physics, 2021, , 461-508.	0.8	0