

Jose F Garcia MartÃ- nez

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

829
citations

471061

17
h-index

552369

26
g-index

61
all docs

61
docs citations

61
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	5
2	Plastic Scintillators in Environmental Analysis. <i>Topics in Applied Physics</i> , 2021, , 461-508.	0.4	0
3	Material characterization and functional implications of a Claude Laurent glass flute. <i>Microchemical Journal</i> , 2020, 155, 104734.	2.3	2
4	Liquid scintillation analysis: principles and practice. , 2020, , 575-801.		10
5	Active teaching strategies for introducing radioanalytical techniques in analytical chemistry master degree: 40K determination in Bananas. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 1905-1914.	0.7	0
6	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.	0.7	5
7	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.	0.7	6
8	Development and evaluation of a plastic scintillating resin for radioactive tin determination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 321, 207-215.	0.7	2
9	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.	0.7	5
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.	0.7	18
11	The sixteenth century panel <i>Virgin with the Child and an Angel</i> , confluences of material characterization and iconography. <i>Journal of Cultural Heritage</i> , 2018, 29, 160-167.	1.5	4
12	Synthesis and characterisation of scintillating microspheres made of polystyrene/polycarbonate for ²²² Rn measurements. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 637-649.	0.7	4
13	Evaluation of Alkaline Compounds Used for Deacidification and Simultaneous Lining of Extremely Degraded Manuscripts. <i>Restaurator</i> , 2017, 38, 249-272.	0.2	3
14	Plastic scintillators and related analytical procedures for radionuclide analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 314, 555-572.	0.7	22
15	Effects of variability sources on analysis of the composition of large ancient metal objects. <i>Microchemical Journal</i> , 2017, 134, 309-316.	2.3	3
16	A Study of Picasso's Painting Materials and Techniques in Six of His Early Portraits. <i>Journal of the American Institute for Conservation</i> , 2016, 55, 198-216.	0.2	7
17	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.	0.7	2
18	Analysis of ²¹⁰ Pb in water samples with plastic scintillation resins. <i>Analytica Chimica Acta</i> , 2016, 940, 38-45.	2.6	24

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19	A new plastic scintillation resin for single-step separation, concentration and measurement of technetium-99. <i>Analytica Chimica Acta</i> , 2016, 936, 259-266.	2.6	19
20	Influence of preparation parameters on the synthesis of plastic scintillation microspheres and evaluation of sample preparation. <i>Advanced Powder Technology</i> , 2016, 27, 1309-1317.	2.0	8
21	Pilot Study of the Application of Plastic Scintillation Microspheres to Rn-222 Detection and Measurement. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 1209-1217.	1.2	10
22	Robustness of plastic scintillation microspheres in the continuous measurement of different river waters. <i>Applied Radiation and Isotopes</i> , 2016, 114, 145-153.	0.7	3
23	Calcium hydroxide nanoparticles in hydroalcoholic gelatin solutions (GeolNan) for the deacidification and strengthening of papers containing iron gall ink. <i>Journal of Cultural Heritage</i> , 2016, 18, 250-257.	1.5	28
24	Characterization of Paintings by Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytical Letters</i> , 2015, 48, 167-179.	1.0	8
25	Distribution of Acidity and Alkalinity on Degraded Manuscripts Containing Iron Gall Ink. <i>Restaurator</i> , 2015, 36, .	0.2	1
26	Application of the CIEMAT-NIST method to plastic scintillation microspheres. <i>Applied Radiation and Isotopes</i> , 2015, 98, 13-22.	0.7	4
27	Polystyrene based sub-micron scintillating particles produced by supercritical anti-solvent precipitation. <i>Journal of Supercritical Fluids</i> , 2015, 103, 18-27.	1.6	13
28	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.	1.9	15
29	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.	0.7	2
30	Synthesis of plastic scintillation microspheres: Alpha/beta discrimination. <i>Applied Radiation and Isotopes</i> , 2014, 93, 18-28.	0.7	14
31	Crosslinked plastic scintillators: A new detection system for radioactivity measurement in organic and aggressive media. <i>Analytica Chimica Acta</i> , 2014, 852, 13-19.	2.6	14
32	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.	2.0	7
33	Analysis of the Chemical Composition of Red Pigments and Inks for the Characterization and Differentiation of Contemporary Prints. <i>Analytical Letters</i> , 2012, 45, 1274-1285.	1.0	14
34	Determination of oil reservoir radiotracer (^{14}C) in a single step using a plastic scintillator extractive resin. <i>Analytica Chimica Acta</i> , 2012, 736, 30-35.	2.6	16
35	Determination of detection limits for SEM-EDS and m-FTIR analysis of artwork. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2241-2251.	1.9	5
36	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.	2.6	30

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37	Mixture quantification using PLS in plastic scintillation measurements. Applied Radiation and Isotopes, 2011, 69, 898-903.	0.7	8
38	Comparative study of pre-treatment procedures for 3H monitoring in water samples from environmental protection programs. Science of the Total Environment, 2010, 408, 2233-2238.	3.9	1
39	Alpha/beta pulse shape discrimination in plastic scintillation using commercial scintillation detectors. Analytica Chimica Acta, 2010, 670, 11-17.	2.6	13
40	Characterizing Contemporary Artists' Papers: A Step towards their Differentiation. Restaurator, 2010, 31, .	0.2	1
41	Plastic vs. Liquid Scintillation for 14C radiotracers determination in high salt matrices. Analytica Chimica Acta, 2009, 631, 229-236.	2.6	19
42	A non-destructive characterization of stratigraphies in contemporary prints using micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 1267-1273.	1.2	6
43	Colored inks analysis and differentiation: A first step in artistic contemporary prints discrimination. Analytica Chimica Acta, 2007, 588, 96-107.	2.6	12
44	First approach to radionuclide mixtures quantification by using plastic scintillators. Analytica Chimica Acta, 2007, 590, 232-238.	2.6	9
45	Chemical composition of contemporary black printing inks based on infrared spectroscopy: Basic information for the characterization and discrimination of artistic prints. Analytica Chimica Acta, 2007, 591, 97-105.	2.6	34
46	Development of a radiochemical sensor. Part I: Feasibility study. Analytica Chimica Acta, 2005, 538, 233-239.	2.6	5
47	Development of a radiochemical sensor, Part 2: Application to liquid effluents. Analytica Chimica Acta, 2005, 538, 241-249.	2.6	17
48	Combination of chemical separation and data treatment for 55Fe, 63Ni, 99Tc, 137Cs and 90Sr/90Y activity determination in radioactive waste by liquid scintillation. Applied Radiation and Isotopes, 2005, 63, 207-215.	0.7	14
49	Identification of inks and structural characterization of contemporary artistic prints by laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1140-1148.	1.5	36
50	Reusability of plastic scintillators used in beta emitter activity determination. Applied Radiation and Isotopes, 2003, 59, 373-376.	0.7	18
51	Mixed waste reduction in radioactivity determination by using plastic scintillators. Analytica Chimica Acta, 2002, 463, 125-134.	2.6	33
52	Comparative study of quenching correction procedures for / determination by Cerenkov, liquid scintillation and plastic scintillation techniques. Analytica Chimica Acta, 2002, 471, 135-143.	2.6	28
53	Plutonium determination in mineral soils and sediments by a procedure involving microwave digestion and extraction chromatography. Analytica Chimica Acta, 2001, 447, 179-189.	2.6	31
54	Determination of a mixture of gamma-emitting radionuclides using solid scintillation detectors and multivariate calibration. Analytica Chimica Acta, 1999, 379, 121-133.	2.6	7

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55	Determination of mixtures of alpha emitting isotopes (^{242}Pu , $^{239+240}\text{Pu}$, ^{238}Pu) by using liquid scintillation "moving curve fitting. <i>Analytica Chimica Acta</i> , 1999, 380, 83-92.	2.6	9
56	Comparative study of calibration methods for quantification of alpha-emitting radionuclides (plutonium) by semiconductor detectors. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 221, 73-78.	0.7	0
57	Multivariate calibration and spectrum position correction for simultaneous determination of alpha and beta emitting plutonium isotopes by liquid scintillation. <i>Analytica Chimica Acta</i> , 1997, 356, 41-50.	2.6	8
58	Classical versus multivariate calibration for a beta emitter (^{14}C) activity determination by liquid scintillation counting. <i>Analytica Chimica Acta</i> , 1996, 331, 33-41.	2.6	9
59	Simultaneous determination of plutonium alpha emitters by liquid scintillation counting using multivariate calibration. <i>Analytica Chimica Acta</i> , 1995, 310, 297-305.	2.6	29
60	Dating of the Basal Aurignacian Sandwich at Abric Roman� (Catalunya, Spain) by Radiocarbon and Uranium-Series. <i>Journal of Archaeological Science</i> , 1994, 21, 541-551.	1.2	115
61	Uranium-series isochron dating at El Castillo Cave (Cantabria, Spain): The "Acheulean" vs "Mousterian" question. <i>Journal of Archaeological Science</i> , 1992, 19, 49-62.	1.2	34