

Francesco Petrucci

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,334
citations

19
h-index

36
g-index

46
ext. papers

1,511
ext. citations

4.5
avg, IF

4.09
L-index

#	Paper	IF	Citations
42	Exosome release and low pH belong to a framework of resistance of human melanoma cells to cisplatin. <i>PLoS ONE</i> , 2014 , 9, e88193	3.7	241
41	Analytical problems in the determination of platinum-group metals in urine by quadrupole and magnetic sector field inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 1998 , 363, 1-10	6.6	134
40	Perfluoro-tagged, phosphine-free palladium nanoparticles supported on silica gel: application to alkynylation of aryl halides, Suzuki-Miyaura cross-coupling, and Heck reactions under aerobic conditions. <i>Green Chemistry</i> , 2010 , 12, 150-158	10	101
39	Market survey on toxic metals contained in tattoo inks. <i>Science of the Total Environment</i> , 2009 , 407, 5997-6002	7.4	74
38	Calcium, copper, iron, magnesium, silicon and zinc content of hair in Parkinson's disease. <i>Journal of Trace Elements in Medicine and Biology</i> , 2005 , 19, 195-201	4.1	70
37	Phosphine-free perfluoro-tagged palladium nanoparticles supported on fluorosilica gel: application to the Heck reaction. <i>Organic Letters</i> , 2008 , 10, 561-4	6.2	60
36	Reference values for chromium, nickel and vanadium in urine of youngsters from the urban area of Rome. <i>Journal of Environmental Monitoring</i> , 2000 , 2, 351-4		51
35	Development of an analytical method for monitoring worker populations exposed to platinum-group elements. <i>Microchemical Journal</i> , 2004 , 76, 131-140	4.8	46
34	ICP-MS based methods to characterize nanoparticles of TiO ₂ and ZnO in sunscreens with focus on regulatory and safety issues. <i>Science of the Total Environment</i> , 2018 , 630, 922-930	10.2	41
33	Traffic-related platinum and rhodium concentrations in the atmosphere of Rome. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 563-8		39
32	Influence of sample pre-treatment on the determination of trace elements in urine by quadrupole and magnetic sector field inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998 , 13, 701-705	3.7	34
31	Alkynylation of aryl halides with perfluoro-tagged palladium nanoparticles immobilized on silica gel under aerobic, copper- and phosphine-free conditions in water. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 2270-3	3.9	33
30	Human primary macrophages scavenge AuNPs and eliminate it through exosomes. A natural shuttling for nanomaterials. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 137, 23-36	5.7	32
29	Size and metal composition characterization of nano- and microparticles in tattoo inks by a combination of analytical techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 616-628	3.7	30
28	Monitoring of chemical elements and oxidative damage in patients affected by Alzheimer's disease. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2005 , 41, 197-203	1.6	29
27	Efficient hydroxycarbonylation of aryl iodides using recoverable and reusable carbon aerogels doped with palladium nanoparticles as catalyst. <i>Tetrahedron</i> , 2007 , 63, 2519-2523	2.4	27
26	Determination of Cr(VI) in cosmetic products using ion chromatography with dynamic reaction cell-inductively coupled plasma-mass spectrometry (DRC-ICP-MS). <i>Analytical Methods</i> , 2015 , 7, 5269-5274	2.2	24

25	Associations among exposure to methylmercury, reduced Reelin expression, and gender in the cerebellum of developing mice. <i>NeuroToxicology</i> , 2014 , 45, 67-80	4.4	19
24	Determination of Cd, Cu, Pb and Zn in neoplastic kidneys and in renal tissue of fetuses, newborns and corpses. <i>Journal of Trace Elements in Medicine and Biology</i> , 2006 , 20, 171-9	4.1	19
23	Reference values for selected trace elements in serum of term newborns from the urban area of Rome. <i>Clinica Chimica Acta</i> , 2000 , 292, 163-73	6.2	17
22	Method validation for the quantification of As, Cd, Hg and Pb in blood by ICP-MS for monitoring purposes. <i>Analytical Methods</i> , 2010 , 2, 2049	3.2	16
21	Biomonitoring of a worker population exposed to low antimony trioxide levels. <i>Journal of Trace Elements in Medicine and Biology</i> , 2002 , 16, 33-9	4.1	16
20	Permanent tattoos: evidence of pseudolymphoma in three patients and metal composition of the dyes. <i>European Journal of Dermatology</i> , 2012 , 22, 776-80	0.8	15
19	Hexavalent chromium in tattoo inks: Dermal exposure and systemic risk. <i>Contact Dermatitis</i> , 2018 , 79, 218-225	2.7	14
18	Neurocognitive impact of metal exposure and social stressors among schoolchildren in Taranto, Italy. <i>Environmental Health</i> , 2019 , 18, 67	6	14
17	Determination of mercury in hair: Comparison between gold amalgamation-atomic absorption spectrometry and mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 43, 3-8	4.1	14
16	Silver and gold nanoparticles characterization by SP-ICP-MS and AF4-FFF-MALS-UV-ICP-MS in human samples used for biomonitoring. <i>Talanta</i> , 2020 , 220, 121404	6.2	14
15	Determination of depleted uranium in human hair by quadrupole inductively coupled plasma mass spectrometry: method development and validation. <i>Analytical Methods</i> , 2010 , 2, 1184	3.2	13
14	Activity of cisplatin and ICI 182,780 on estrogen receptor negative ovarian cancer cells: cell cycle and cell replication rate perturbation, chromatin texture alteration and apoptosis induction. <i>International Journal of Cancer</i> , 2000 , 85, 98-103	7.5	13
13	Quantitative analysis of metals and metal-based nano- and submicron-particles in tattoo inks. <i>Chemosphere</i> , 2020 , 245, 125667	8.4	13
12	Determination of platinum in plasma of patients affected by inoperable lung carcinoma treated with radiotherapy and concurrent low-dose continuous infusion of cis-dichlorodiammine platinum(II). <i>Cancer Chemotherapy and Pharmacology</i> , 1995 , 35, 529-32	3.5	12
11	cis-Diamminedichloroplatinum(II) given in low-dose continuous infusion with concurrent radiotherapy to patients affected by inoperable lung carcinoma: a pharmacokinetic approach. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998 , 124, 37-43	4.9	11
10	On-line speciation of arsenical compounds in fish and mussel extracts by HPLC-ICP-MS. <i>Environmental Science and Pollution Research</i> , 1994 , 1, 205-8	5.1	11
9	Quantification of Sensitizing Metals in Tattooing Pigments by SF-ICP-MS Technique. <i>The Open Chemical and Biomedical Methods Journal</i> , 2009 , 2, 42-47		8
8	Evaluation of carboplatin pharmacokinetics in pediatric oncology by means of inductively coupled plasma mass spectrometry. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2006 , 42, 461-8	1.6	6

7	Role of Diet in Nickel Dermatitis. <i>The Open Chemical and Biomedical Methods Journal</i> , 2009 , 2, 55-57		5
6	In-house validation of AF4-MALS-UV for polystyrene nanoplastic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 3027-3039	4.4	4
5	Sonogashira Cross-Coupling Using Carbon Aerogel Doped with Palladium Nanoparticles; A Recoverable and Reusable Catalyst. <i>Synthesis</i> , 2007 , 2007, 3068-3072	2.9	2
4	Cancer Chemotherapy specific Ninety years after Paul Ehrlich. <i>Chemotherapy</i> , 2007 , 53, 309-12	3.2	2
3	SF-ICP-MS Analysis of Palladium in Fluids of Patients Sensitized to Metal-Based Dental Restorations. <i>The Open Chemical and Biomedical Methods Journal</i> , 2009 , 2, 48-54		2
2	The effects of the exposure to neurotoxic elements on Italian schoolchildren behavior. <i>Scientific Reports</i> , 2021 , 11, 9898	4.9	1
1	A simple nebulization reflux system for use in ICP-AES. <i>Mikrochimica Acta</i> , 1989 , 97, 57-63		5.8