

Enrico Davoli

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

2,304
citations

218677

26
h-index

233421

45
g-index

76
all docs

76
docs citations

76
times ranked

3407
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative measurement of pioglitazone in neoplastic and normal tissues by AP-MALDI mass spectrometry imaging. <i>Talanta</i> , 2022, 237, 122918.	5.5	9
2	Bioaccumulation of PCBs and their hydroxy and sulfonated metabolites in earthworms: Comparing lab and field results. <i>Environmental Pollution</i> , 2022, 293, 118507.	7.5	8
3	Development and application of high resolution mass spectrometry analytical method to study and identify the photoinduced transformation products of environmental pollutants. <i>Journal of Environmental Management</i> , 2022, 308, 114573.	7.8	5
4	Versatile Mass Spectrometry-Based Intraoperative Diagnosis of Liver Tumor in a Multiethnic Cohort. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4244.	2.5	3
5	THE SPACE DIMENSION AT THE MICRO LEVEL: MASS SPECTROMETRY IMAGING OF DRUGS IN TISSUES. <i>Mass Spectrometry Reviews</i> , 2021, 40, 201-214.	5.4	16
6	Odor Emissions Factors for Bitumen-Related Production Sites. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3700.	2.5	0
7	Chemical Images on Fingerprints Revealed with Mass Spectrometry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5624.	2.5	1
8	PEGylated recombinant human hyaluronidase (PEGPH20) pre-treatment improves intra-tumour distribution and efficacy of paclitaxel in preclinical models. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 286.	8.6	18
9	An integrated approach, based on mass spectrometry, for the assessment of imidacloprid metabolism and penetration into mouse brain and fetus after oral treatment. <i>Toxicology</i> , 2021, 462, 152935.	4.2	7
10	Tumor vascular remodeling by thrombospondin-1 enhances drug delivery and antineoplastic activity. <i>Matrix Biology</i> , 2021, 103-104, 22-36.	3.6	2
11	Electronic cigarettes in Italy: a tool for harm reduction or a gateway to smoking tobacco?. <i>Tobacco Control</i> , 2020, 29, tobaccocontrol-2018-054726.	3.2	29
12	Rapid automated diagnosis of primary hepatic tumour by mass spectrometry and artificial intelligence. <i>Liver International</i> , 2020, 40, 3117-3124.	3.9	27
13	Acetaldehyde in Polyethylene Terephthalate (PET) Bottled Water: Assessment and Mitigation of Health Risk for Consumers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4321.	2.5	4
14	Pharmacological antagonism of kainate receptor rescues dysfunction and loss of dopamine neurons in a mouse model of human parkin-induced toxicity. <i>Cell Death and Disease</i> , 2020, 11, 963.	6.3	13
15	Quantitative determination of niraparib and olaparib tumor distribution by mass spectrometry imaging. <i>International Journal of Biological Sciences</i> , 2020, 16, 1363-1375.	6.4	22
16	A methodological approach to correlate tumor heterogeneity with drug distribution profile in mass spectrometry imaging data. <i>GigaScience</i> , 2020, 9, .	6.4	5
17	Identification of Sulfonated and Hydroxy-Sulfonated Polychlorinated Biphenyl (PCB) Metabolites in Soil: New Classes of Intermediate Products of PCB Degradation?. <i>Environmental Science & Technology</i> , 2019, 53, 10601-10611.	10.0	15
18	Illicit drugs in drinking water. <i>Current Opinion in Environmental Science and Health</i> , 2019, 7, 92-97.	4.1	20

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19	Cannabis as a medicine. An update of the Italian reality. <i>European Journal of Internal Medicine</i> , 2019, 60, e9-e10.	2.2	5
20	A detailed investigation of MnO ₂ nanorods to be grown onto activated carbon. High efficiency towards aqueous methyl orange adsorption/degradation. <i>Applied Surface Science</i> , 2019, 472, 118-126.	6.1	47
21	Data on occurrence and fate of emerging contaminants in a urbanised area. <i>Data in Brief</i> , 2018, 17, 533-543.	1.0	26
22	Monitoring emerging contaminants in the drinking water of Milan and assessment of the human risk. <i>International Journal of Hygiene and Environmental Health</i> , 2018, 221, 451-457.	4.3	101
23	Mass balance of emerging contaminants in the water cycle of a highly urbanized and industrialized area of Italy. <i>Water Research</i> , 2018, 131, 287-298.	11.3	89
24	QSPR analysis of threshold of odor for the large number of heterogenic chemicals. <i>Molecular Diversity</i> , 2018, 22, 397-403.	3.9	3
25	Personal care products in surface, ground and wastewater of a complex aquifer system, a potential planning tool for contemporary urban settings. <i>Journal of Environmental Management</i> , 2018, 214, 76-85.	7.8	21
26	Drug-Homogeneity Index in Mass-Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 13257-13264.	6.5	6
27	Past-in-the-Future. Peak detection improves targeted mass spectrometry imaging. <i>Analytica Chimica Acta</i> , 2018, 1042, 1-10.	5.4	7
28	Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic Acid (PFOA), Brominated Dioxins (PBDDs) and Furans (PBDFs) in Wild and Farmed Organisms at Different Trophic Levels in the Mediterranean Sea. <i>Toxics</i> , 2018, 6, 50.	3.7	9
29	Differentiating current and past PCB and PCDD/F sources: The role of a large contaminated soil site in an industrialized city area. <i>Environmental Pollution</i> , 2017, 223, 367-375.	7.5	54
30	High Penetration of Paclitaxel in Abdominal Wall of Rabbits after Hyperthermic Intraperitoneal Administration of Nab-Paclitaxel Compared to Standard Paclitaxel Formulation. <i>Pharmaceutical Research</i> , 2017, 34, 1180-1186.	3.5	20
31	Dynamic measurement of newly formed carbonyl compounds in vapors from electronic cigarettes. <i>European Journal of Mass Spectrometry</i> , 2017, 23, 64-69.	1.0	19
32	A simple headspace gas chromatography/mass spectrometry method for the quantitative determination of the release of the antioxidants butylated hydroxyanisole and butylated hydroxytoluene from chewing gum. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 859-864.	1.5	16
33	Zn- vs Bi-based oxides for o-toluidine photocatalytic treatment under solar light. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8287-8296.	5.3	10
34	Application of 3D Mass Spectrometry Imaging to TKIs. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 102, 748-751.	4.7	17
35	Physical and chemical characterization of representative samples of recycled rubber from end-of-life tires. <i>Chemosphere</i> , 2017, 184, 1320-1326.	8.2	41
36	A Nanostructured Matrices Assessment to Study Drug Distribution in Solid Tumor Tissues by Mass Spectrometry Imaging. <i>Nanomaterials</i> , 2017, 7, 71.	4.1	13

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37	Antineoplastic drugs determination by HPLC-MS to monitor occupational exposure. <i>Drug Testing and Analysis</i> , 2016, 8, 730-737.	2.6	16
38	Heterogeneity of paclitaxel distribution in different tumor models assessed by MALDI mass spectrometry imaging. <i>Scientific Reports</i> , 2016, 6, 39284.	3.3	68
39	Source discrimination of drug residues in wastewater: The case of salbutamol. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1023-1024, 62-67.	2.3	19
40	Odor threshold prediction by means of the Monte Carlo method. <i>Ecotoxicology and Environmental Safety</i> , 2016, 133, 390-394.	6.0	9
41	Automated Online Solid-Phase Extraction-Liquid Chromatography Mass Spectrometric Analysis of Dithianon in Water. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 261-267.	1.0	2
42	Wastewater-based epidemiological evaluation of the effect of air pollution on short-acting beta-agonist consumption for acute asthma treatment. <i>Environmental Research</i> , 2016, 150, 106-111.	7.5	27
43	Bevacizumab-Induced Inhibition of Angiogenesis Promotes a More Homogeneous Intratumoral Distribution of Paclitaxel, Improving the Antitumor Response. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 125-135.	4.1	56
44	A novel approach for monitoring tobacco use in local communities by wastewater analysis. <i>Tobacco Control</i> , 2015, 24, 38-42.	3.2	135
45	Sources and fate of perfluorinated compounds in the aqueous environment and in drinking water of a highly urbanized and industrialized area in Italy. <i>Journal of Hazardous Materials</i> , 2015, 282, 51-60.	12.4	142
46	Determination of tissue levels of a neuroprotectant drug: The cell permeable JNK inhibitor peptide. <i>Journal of Pharmacological and Toxicological Methods</i> , 2014, 70, 55-61.	0.7	17
47	Risk assessment for the Italian population of acetaldehyde in alcoholic and non-alcoholic beverages. <i>Food Chemistry</i> , 2014, 154, 26-31.	8.2	42
48	Persistent toxic substances in Mediterranean aquatic species. <i>Science of the Total Environment</i> , 2014, 494-495, 18-27.	8.0	31
49	Influence of a municipal solid waste landfill in the surrounding environment: Toxicological risk and odor nuisance effects. <i>Environment International</i> , 2014, 68, 16-24.	10.0	151
50	Imaging mass spectrometry: challenges in visualization of drug distribution in solid tumors. <i>Current Opinion in Pharmacology</i> , 2013, 13, 807-812.	3.5	26
51	Persistent organic pollutants in sea bass (<i>Dicentrarchus labrax</i> L.) in two fish farms in the Mediterranean Sea. <i>Chemosphere</i> , 2013, 93, 338-343.	8.2	10
52	Determination of Paclitaxel Distribution in Solid Tumors by Nano-Particle Assisted Laser Desorption Ionization Mass Spectrometry Imaging. <i>PLoS ONE</i> , 2013, 8, e72532.	2.5	54
53	Olfactory and toxic impact of industrial odour emissions. <i>Water Science and Technology</i> , 2012, 66, 1399-1406.	2.5	25
54	Evaluation of selected ubiquitous contaminants in the aquatic environment and their transformation products. A pilot study of their removal from a sewage treatment plant. <i>Water Research</i> , 2011, 45, 2331-2341.	11.3	51

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55	PCDD/Fs and dioxin-like PCBs in human milk and estimation of infants's daily intake: A review. <i>Chemosphere</i> , 2011, 83, 774-782.	8.2	81
56	Waste management health risk assessment: A case study of a solid waste landfill in South Italy. <i>Waste Management</i> , 2010, 30, 1608-1613.	7.4	49
57	Surfactant properties and tetrachloroethene (PCE) solubilisation ability of humic acid-like substances extracted from maize plant and from organic wastes: A comparative study. <i>Chemosphere</i> , 2010, 78, 1017-1022.	8.2	15
58	A New Fluorogenic Peptide Determines Proteasome Activity in Single Cells. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7452-7460.	6.4	20
59	PCB concentrations in some foods from four European countries. <i>Food and Chemical Toxicology</i> , 2008, 46, 1062-1067.	3.6	22
60	Direct analysis of isopropylthioxanthone (ITX) in milk by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1998-2002.	1.5	31
61	An isotopic dilution approach for 1,3-butadiene tailpipe emissions and ambient air monitoring. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 399-404.	1.5	10
62	Quantitative analysis of 2-furfural and 5-methylfurfural in different Italian vinegars by headspace solid-phase microextraction coupled to gas chromatography-mass spectrometry using isotope dilution. <i>Journal of Chromatography A</i> , 2003, 1017, 141-149.	3.7	65
63	Industrial pollutants in ground waters from Northern Milan. <i>Chemosphere</i> , 1998, 36, 2007-2017.	8.2	9
64	Validity of Self-Reported Smoking Habits in Pregnancy: a Saliva Cotinine Analysis. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 1996, 75, 352-354.	2.8	66
65	On-line monitoring of benzene air concentrations while driving in traffic by means of isotopic dilution gas chromatography/mass spectrometry. <i>International Archives of Occupational and Environmental Health</i> , 1996, 68, 262-267.	2.3	1
66	Automated high-speed analysis of selected organic compounds in urban air by on-line isotopic dilution cryofocusing gas chromatography/mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 1001-1007.	2.8	7
67	Mass spectrometric identification and analysis of some aphidicolin metabolites in cancer patients. <i>Biological Mass Spectrometry</i> , 1993, 22, 351-357.	0.5	0
68	An evaluation of fetal glucogenesis in intrauterine growth-retarded pregnancies. <i>Metabolism: Clinical and Experimental</i> , 1993, 42, 860-864.	3.4	84
69	Purification and analysis of drug residues in urine samples by on-line immunoaffinity chromatography/high-performance liquid chromatography/continuous-flow fast-atom-bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1993, 65, 2679-2685.	6.5	32
70	Activity of aphidicolin glycinate alone or in combination with cisplatin in a murine ovarian tumor resistant to cisplatin. <i>Cancer Chemotherapy and Pharmacology</i> , 1992, 30, 459-464.	2.3	13
71	Migration of vinyl chloride into PVC-bottled drinking-water assessed by gas chromatography-mass spectrometry. <i>Food and Chemical Toxicology</i> , 1991, 29, 131-134.	3.6	23
72	Charge remote fragmentation of fatty acids cationized with alkaline earth metal ions. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 320-324.	2.8	48

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73	Fast atom bombardment and collision-induced dissociation of prostaglandins and thromboxanes: Some examples of charge remote fragmentation. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 325-335.	2.8	59
74	Volatile nitrosamines in foods and beverages: Preliminary survey of the Italian market. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1988, 40, 41-46.	2.7	24
75	Serum methanol concentrations in rats and in men after a single dose of aspartame. <i>Food and Chemical Toxicology</i> , 1986, 24, 187-189.	3.6	47
76	Trace Analysis of Methanol in Rat Serum by Headspace High Resolution Gas Chromatography/Selected Ion Monitoring. <i>Journal of Chromatographic Science</i> , 1986, 24, 113-116.	1.4	9