

Massimo Del Bubba

List of Publications by Year in descending order

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93
papers

2,993
citations

159585

30
h-index

189892

50
g-index

94
all docs

94
docs citations

94
times ranked

3605
citing authors

#	ARTICLE	IF	CITATIONS
1	QuEChERS sample preparation for the determination of pesticides and other organic residues in environmental matrices: a critical review. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4089-4116.	3.7	244
2	Phosphorus adsorption maximum of sands for use as media in subsurface flow constructed reed beds as measured by the Langmuir isotherm. <i>Water Research</i> , 2003, 37, 3390-3400.	11.3	238
3	Heavy metal distribution between contaminated soil and <i>Paulownia tomentosa</i> , in a pilot-scale assisted phytoremediation study: Influence of different complexing agents. <i>Chemosphere</i> , 2008, 72, 1481-1490.	8.2	149
4	Changes in tannins, ascorbic acid and sugar content in astringent persimmons during on-tree growth and ripening and in response to different postharvest treatments. <i>Journal of Food Composition and Analysis</i> , 2009, 22, 668-677.	3.9	136
5	Selected primary and secondary metabolites in fresh persimmon (<i>Diospyros kaki</i> Thunb.): A review of analytical methods and current knowledge of fruit composition and health benefits. <i>Food Research International</i> , 2011, 44, 1752-1767.	6.2	102
6	Polyphenol Levels and Free Radical Scavenging Activities of Four Apple Cultivars from Integrated and Organic Farming in Different Italian Areas. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6536-6546.	5.2	77
7	Polycyclic aromatic hydrocarbons (PAHs) in human milk from Italian women: Influence of cigarette smoking and residential area. <i>Chemosphere</i> , 2007, 67, 1265-1274.	8.2	75
8	Liquid chromatographic/electrospray ionization tandem mass spectrometric study of polyphenolic composition of four cultivars of <i>Fragaria vesca</i> L. berries and their comparative evaluation. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1207-1220.	1.6	69
9	Green and cost-effective synthesis of copper nanoparticles by extracts of non-edible and waste plant materials from <i>Vaccinium</i> species: Characterization and antimicrobial activity. <i>Materials Science and Engineering C</i> , 2021, 119, 111453.	7.3	67
10	Polyphenolic profiles and antioxidant and antiradical activity of Italian berries from <i>Vaccinium myrtillus</i> L. and <i>Vaccinium uliginosum</i> L. subsp. <i>gaultherioides</i> (Bigelow) S.B. Young. <i>Food Chemistry</i> , 2016, 204, 176-184.	8.2	65
11	Quality by design in the chiral separation strategy for the determination of enantiomeric impurities: Development of a capillary electrophoresis method based on dual cyclodextrin systems for the analysis of levosulpiride. <i>Journal of Chromatography A</i> , 2015, 1380, 177-185.	3.7	59
12	Determination of androgens and progestogens in environmental and biological samples using fabric phase sorptive extraction coupled to ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1437, 116-126.	3.7	58
13	Fully-automated on-line solid phase extraction coupled to high-performance liquid chromatography-tandem mass spectrometric analysis at sub-ng/L levels of selected estrogens in surface water and wastewater. <i>Journal of Chromatography A</i> , 2013, 1283, 53-61.	3.7	56
14	Innovative combination of QuEChERS extraction with on-line solid-phase extract purification and pre-concentration, followed by liquid chromatography-tandem mass spectrometry for the determination of non-steroidal anti-inflammatory drugs and their metabolites in sewage sludge. <i>Analytica Chimica Acta</i> , 2016, 935, 269-281.	5.4	55
15	Analytical quality by design: Development and control strategy for a LC method to evaluate the cannabinoids content in cannabis olive oil extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 326-335.	2.8	52
16	Polymer-derived ceramic aerogels as sorbent materials for the removal of organic dyes from aqueous solutions. <i>Journal of the American Ceramic Society</i> , 2018, 101, 821-830.	3.8	46
17	Distribution and mass balance of hexavalent and trivalent chromium in a subsurface, horizontal flow (SF-h) constructed wetland operating as post-treatment of textile wastewater for water reuse. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 209-216.	12.4	45
18	Changes in polyphenol and sugar concentrations in wild type and genetically modified <i>Nicotiana glauca</i> in response to water and heat stress. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 52-61.	5.8	43

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19	Olive Mill Wastewater Treatment by a Pilot-Scale Subsurface Horizontal Flow (SSF-h) Constructed Wetland. <i>Annali Di Chimica</i> , 2004, 94, 875-887.	0.6	42
20	Analytical approaches for the determination of personal care products and evaluation of their occurrence in marine organisms. <i>Science of the Total Environment</i> , 2018, 633, 405-425.	8.0	40
21	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) and Total Fats in Human Milk. <i>Annali Di Chimica</i> , 2005, 95, 629-641.	0.6	39
22	Comparison of nutritional and nutraceutical properties in cultivated fruits of <i>Fragaria vesca</i> L. produced in Italy. <i>Food Research International</i> , 2011, 44, 1209-1216.	6.2	39
23	Thin-layer chromatography enantioseparations on chiral stationary phases: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 533-554.	3.7	39
24	Enantioseparation and impurity determination of ambrisentan using cyclodextrin-modified micellar electrokinetic chromatography: Visualizing the design space within quality by design framework. <i>Journal of Chromatography A</i> , 2016, 1467, 363-371.	3.7	38
25	Functionalized iron oxide/SBA-15 sorbent: investigation of adsorption performance towards glyphosate herbicide. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21682-21691.	5.3	37
26	Liquid chromatographic/electrospray ionization quadrupole/time of flight tandem mass spectrometric study of polyphenolic composition of different <i>Vaccinium</i> berry species and their comparative evaluation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1347-1368.	3.7	37
27	Removal efficiency and mass balance of polycyclic aromatic hydrocarbons, phthalates, ethoxylated alkylphenols and alkylphenols in a mixed textile-domestic wastewater treatment plant. <i>Science of the Total Environment</i> , 2019, 674, 36-48.	8.0	37
28	A comprehensive strategy in the development of a cyclodextrin-modified microemulsion electrokinetic chromatographic method for the assay of diclofenac and its impurities: Mixture-process variable experiments and quality by design. <i>Journal of Chromatography A</i> , 2016, 1466, 189-198.	3.7	34
29	Evaluation of different QuEChERS procedures for the recovery of selected drugs and herbicides from soil using LC coupled with UV and pulsed amperometry for their detection. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1217-1229.	3.7	33
30	Applicability of the direct injection liquid chromatographic tandem mass spectrometric analytical approach to the sub-ng L ⁻¹ determination of perfluoro-alkyl acids in waste, surface, ground and drinking water samples. <i>Talanta</i> , 2018, 176, 412-421.	5.5	33
31	Influence of the Application Renewal of Glutamate and Tartrate on Cd, Cu, Pb and Zn Distribution Between Contaminated Soil and <i>Paulownia tomentosa</i> in a Pilot-Scale Assisted Phytoremediation Study. <i>International Journal of Phytoremediation</i> , 2010, 13, 1-17.	3.1	30
32	<i>Cucurbita pepo</i> L. extracts as a versatile hydrotropic source for the synthesis of gold nanoparticles with different shapes. <i>Green Chemistry Letters and Reviews</i> , 2015, 8, 39-47.	4.7	30
33	Adsorption of bentazone herbicide onto mesoporous silica: application to environmental water purification. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5399-5409.	5.3	30
34	Chiral capillary zone electrophoresis in enantioseparation and analysis of cinacalcet impurities: Use of Quality by Design principles in method development. <i>Journal of Chromatography A</i> , 2018, 1568, 205-213.	3.7	30
35	Optimization and validation of a method based on QuEChERS extraction and liquid chromatographic tandem mass spectrometric analysis for the determination of perfluoroalkyl acids in strawberry and olive fruits, as model crops with different matrix characteristics. <i>Journal of Chromatography A</i> , 2020, 1621, 461038.	3.7	30
36	Cyclodextrin- and solvent-modified micellar electrokinetic chromatography for the determination of captopril, hydrochlorothiazide and their impurities: A Quality by Design approach. <i>Talanta</i> , 2016, 160, 332-339.	5.5	27

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37	Physicochemical properties and sorption capacities of sawdust-based biochars and commercial activated carbons towards ethoxylated alkylphenols and their phenolic metabolites in effluent wastewater from a textile district. <i>Science of the Total Environment</i> , 2020, 708, 135217.	8.0	27
38	Chromium accumulation and changes in plant growth, selected phenolics and sugars of wild type and genetically modified <i>Nicotiana langsdorffii</i> . <i>Journal of Hazardous Materials</i> , 2013, 262, 394-403.	12.4	26
39	Untargeted Metabolomics Analytical Strategy Based on Liquid Chromatography/Electrospray Ionization Linear Ion Trap Quadrupole/Orbitrap Mass Spectrometry for Discovering New Polyphenol Metabolites in Human Biofluids after Acute Ingestion of <i>Vaccinium myrtillus</i> Berry Supplement. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 381-402.	2.8	26
40	Use of a remediated dredged marine sediment as a substrate for food crop cultivation: Sediment characterization and assessment of fruit safety and quality using strawberry (<i>Fragaria x ananassa</i>)	8.0	26
41	Improving the efficiency of wastewater treatment plants: Bio-removal of heavy-metals and pharmaceuticals by <i>Azolla filiculoides</i> and <i>Lemna minuta</i> . <i>Science of the Total Environment</i> , 2020, 746, 141219.	8.0	26
42	Response to metal stress of <i>Nicotiana langsdorffii</i> plants wild-type and transgenic for the rat glucocorticoid receptor gene. <i>Journal of Plant Physiology</i> , 2013, 170, 668-675.	3.5	25
43	Liquid chromatographic-tandem mass spectrometric method for the simultaneous determination of alkylphenols polyethoxylates, alkylphenoxy carboxylates and alkylphenols in wastewater and surface-water. <i>Journal of Chromatography A</i> , 2014, 1362, 75-88.	3.7	25
44	Determination of phthalate diesters and monoesters in human milk and infant formula by fat extraction, size-exclusion chromatography clean-up and gas chromatography-mass spectrometry detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 6-16.	2.8	24
45	Analysis of Organic Compounds in Antarctic Snow and Their Origin. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 331-351.	3.3	21
46	Quality by design approach in the development of an ultra-high-performance liquid chromatography method for Bexsero meningococcal group B vaccine. <i>Talanta</i> , 2018, 178, 552-562.	5.5	21
47	Quality by design compliant strategy for the development of a liquid chromatography-tandem mass spectrometry method for the determination of selected polyphenols in <i>Diospyros kaki</i> . <i>Journal of Chromatography A</i> , 2018, 1569, 79-90.	3.7	20
48	Quality by Design as a risk-based strategy in pharmaceutical analysis: Development of a liquid chromatography-tandem mass spectrometry method for the determination of nintedanib and its impurities. <i>Journal of Chromatography A</i> , 2020, 1611, 460615.	3.7	20
49	Structure and Substituent Effects on Retention and Chiral Resolution of Ketones and Alcohols on Microcrystalline Cellulose Triacetate Plates. <i>Chromatographia</i> , 2010, 71, 685-694.	1.3	19
50	Regenerable, innovative porous silicon-based polymer-derived ceramics for removal of methylene blue and rhodamine B from textile and environmental waters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10619-10629.	5.3	19
51	Analytical Quality by Design in pharmaceutical quality assurance: Development of a capillary electrophoresis method for the analysis of zolmitriptan and its impurities. <i>Electrophoresis</i> , 2015, 36, 2642-2649.	2.4	18
52	Design and start-up of a constructed wetland as tertiary treatment for landfill leachates. <i>Water Science and Technology</i> , 2019, 79, 145-155.	2.5	18
53	Processing of polymer-derived silicon carbide foams and their adsorption capacity for non-steroidal anti-inflammatory drugs. <i>Ceramics International</i> , 2016, 42, 18937-18943.	4.8	17
54	Combined approach using capillary electrophoresis, NMR and molecular modeling for ambrisentan related substances analysis: Investigation of intermolecular affinities, complexation and separation mechanism. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 144, 220-229.	2.8	17

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55	Fully automated on-line solid phase extraction coupled to liquid chromatography-tandem mass spectrometry for the simultaneous analysis of alkylphenol polyethoxylates and their carboxylic and phenolic metabolites in wastewater samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3331-3347.	3.7	16
56	<i>Vaccinium myrtillus</i> L. extract and its native polyphenol-recombined mixture have anti-proliferative and pro-apoptotic effects on human prostate cancer cell lines. <i>Phytotherapy Research</i> , 2021, 35, 1089-1098.	5.8	16
57	Biochars intended for water filtration: A comparative study with activated carbons of their physicochemical properties and removal efficiency towards neutral and anionic organic pollutants. <i>Chemosphere</i> , 2022, 288, 132538.	8.2	16
58	Particle Size Distribution of Organic Compounds in Aqueous Aerosols Collected from Above Sewage Aeration Tanks. <i>Aerosol Science and Technology</i> , 2000, 32, 404-420.	3.1	15
59	Alkylphenol Polyethoxylate Removal in a Pilot-Scale Reed Bed and Phenotypic Characterization of the Aerobic Heterotrophic Community. <i>Water Environment Research</i> , 2006, 78, 754-763.	2.7	14
60	Microwave assisted extraction for the determination of antineoplastic compounds in marine fish. <i>Journal of Food Composition and Analysis</i> , 2019, 82, 103241.	3.9	14
61	Isotopic dilution method for bile acid profiling reveals new sulfate glycine-conjugated dihydroxy bile acids and glucuronide bile acids in serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 1-17.	2.8	14
62	Amino groups modified SBA-15 for dispersive-solid phase extraction in the analysis of micropollutants by QuEChERS approach. <i>Journal of Chromatography A</i> , 2021, 1645, 462107.	3.7	14
63	Chiral separations and quantitative analysis of optical isomers on cellulose tribenzoate plates. <i>Journal of Chromatography A</i> , 2011, 1218, 2737-2744.	3.7	13
64	Effects of environmental factors on seed germination and seedling establishment in bilberry (<i>Vaccinium myrtillus</i>) L. <i>Journal of Horticultural Science and Biotechnology</i> , 2000, 10, 50-53.	3.6	13
65	Productivity and nutritional and nutraceutical value of strawberry fruits (<i>Fragaria x ananassa</i>) L. <i>Journal of Agriculture</i> , 2021, 101, 1239-1246.	3.5	12
66	Quality by design optimization of a liquid chromatographic-tandem mass spectrometric method for the simultaneous analysis of structurally heterogeneous pharmaceutical compounds and its application to the rapid screening in wastewater and surface water samples by large volume direct injection. <i>Journal of Chromatography A</i> , 2021, 1649, 462225.	3.7	12
67	Analytical quality by design in the development of a solvent-modified micellar electrokinetic chromatography method for the determination of sitagliptin and its related compounds. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 202, 114163.	2.8	12
68	Effect of polyphenols on activated sludge biomass during the treatment of highly diluted olive mill wastewaters: biomass dynamics and purifying performances. <i>Water Science and Technology</i> , 2020, 82, 1416-1429.	2.5	11
69	Liquid Chromatographic Quadrupole Time-of-Flight Mass Spectrometric Untargeted Profiling of (Poly)phenolic Compounds in <i>Rubus idaeus</i> L. and <i>Rubus occidentalis</i> L. <i>Fruits and Their Comparative Evaluation</i> . <i>Antioxidants</i> , 2021, 10, 704.	5.1	11
70	Qualitative and varietal characterization of pomegranate peel: High-value co-product or waste of production?. <i>Scientia Horticulturae</i> , 2022, 291, 110601.	3.6	11
71	Genetic diversity and changes in phenolic contents and antiradical activity of <i>Vaccinium myrtillus</i> berries from its southernmost growing area in Italy. <i>Genetic Resources and Crop Evolution</i> , 2018, 65, 1173-1186.	1.6	10
72	Closing the loop in a constructed wetland for the improvement of metal removal: the use of <i>Phragmites australis</i> biomass harvested from the system as biosorbent. <i>Environmental Science and Pollution Research</i> , 2021, 28, 11444-11453.	5.3	10

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73	Quality by Design in optimizing the extraction of (poly)phenolic compounds from <i>Vaccinium myrtillus</i> berries. <i>Journal of Chromatography A</i> , 2022, 1677, 463329.	3.7	10
74	Assessment of the impact of irrigation with treated wastewater at different dilutions on growth, quality parameters and contamination transfer in strawberry fruits and soil: Health risk assessment. <i>Scientia Horticulturae</i> , 2022, 297, 110942.	3.6	9
75	Exploring the intermolecular interactions acting in solvent-modified MEKC by Molecular Dynamics and NMR: The effect of n-butanol on the separation of diclofenac and its impurities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 249-257.	2.8	8
76	Extraction of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls from Urban and Olive Mill Wastewaters Intended for Reuse in Agricultural Irrigation. <i>Journal of AOAC INTERNATIONAL</i> , 2020, 103, 382-391.	1.5	8
77	Colorimetric selective quantification of anthocyanins with catechol/pyrogallol moiety in edible plants upon zinc complexation. <i>Talanta</i> , 2022, 240, 123156.	5.5	8
78	Electrochemical sensors based on sewage sludge-derived biochar for the analysis of anthocyanins in berry fruits. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 6295-6307.	3.7	7
79	The successful binomium of multivariate strategies and electrophoresis for the Quality by Design separation of a class of drugs: the case of triptans. <i>Electrophoresis</i> , 2015, 36, 2650-2657.	2.4	6
80	Characterization Techniques as Supporting Tools for the Interpretation of Biochar Adsorption Efficiency in Water Treatment: A Critical Review. <i>Molecules</i> , 2021, 26, 5063.	3.8	6
81	Direct resolution and quantitative analysis of flurbiprofen enantiomers using microcrystalline cellulose triacetate plates: applications to the enantiomeric purity control and optical isomer determination in widely consumed drugs. <i>Biomedical Chromatography</i> , 2014, 28, 127-134.	1.7	5
82	Morphological, nutraceutical and sensorial properties of cultivated <i>Fragaria vesca</i> L. berries: influence of genotype, plant age, fertilization treatment on the overall fruit quality. <i>Agricultural and Food Science</i> , 2016, 25, .	0.9	5
83	Comparison of chemometric strategies for potential exposure marker discovery and false-positive reduction in untargeted metabolomics: application to the serum analysis by LC-HRMS after intake of <i>Vaccinium</i> fruit supplements. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1841-1855.	3.7	5
84	Enantioseparations by Thin-Layer Chromatography. <i>Methods in Molecular Biology</i> , 2013, 970, 29-43.	0.9	4
85	Phenolic compounds in Rojo Brillante and Kaki Tipo persimmons at commercial harvest and in response to CO ₂ and ethylene treatments for astringency removal. <i>LWT - Food Science and Technology</i> , 2019, 100, 99-105.	5.2	4
86	Behaviour of physicochemical and microbiological characteristics of vertical flow constructed wetland substrate after treating a mixture of urban and olive mill wastewaters. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55433-55445.	5.3	4
87	Horizontal and vertical distributions of Biogenic and Anthropogenic Organic compounds in the Ross Sea (Antarctica). <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 441-456.	3.3	3
88	Optimization and Validation of a Method Based on QuEChERS Extraction and Gas Chromatographic-Mass Spectrometric Analysis for the Determination of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls in Olive Fruits Irrigated with Treated Wastewaters. <i>Separations</i> , 2022, 9, 82.	2.4	3
89	Paradoxical effects of density on measurement of copper tolerance in <i>Silene paradoxa</i> L.. <i>Environmental Science and Pollution Research</i> , 2018, 25, 1331-1339.	5.3	2
90	Removal of sugars from food and beverage wastewaters by amino-modified SBA-15. <i>Journal of Cleaner Production</i> , 2021, 324, 129236.	9.3	2

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91	Impact of the use of treated wastewater for agricultural need: Behavior of organic micropollutants in soil, transfer to crops, and related risks. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2020, 6, 103-135.	0.5	2
92	3D amperometry in the liquid chromatographic determination of trace pharmaceutical and herbicide emerging compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 1149-1159.	3.3	1
93	Impact of Reclaimed Wastewater Used for Irrigation in the Agricultural Supply Chain. <i>Advances in Science, Technology and Innovation</i> , 2019, , 149-151.	0.4	0