

Angelo Antoni D Archivio

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64
papers

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66
ext. papers

1,183
ext. citations

4.6
avg, IF

4.68
L-index

| # | Paper | IF | Citations |
|----|---|-----|-----------|
| 64 | Comparison of different sorbents for multiresidue solid-phase extraction of 16 pesticides from groundwater coupled with high-performance liquid chromatography. <i>Talanta</i> , 2007 , 71, 25-30 | 6.2 | 87 |
| 63 | Geographical classification of Italian saffron (<i>Crocus sativus</i> L.) based on chemical constituents determined by high-performance liquid-chromatography and by using linear discriminant analysis. <i>Food Chemistry</i> , 2016 , 212, 110-6 | 8.5 | 50 |
| 62 | Application of artificial neural networks for prediction of retention factors of triazine herbicides in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2005 , 1076, 163-9 | 4.5 | 48 |
| 61 | Analysis of the mineral composition of Italian saffron by ICP-MS and classification of geographical origin. <i>Food Chemistry</i> , 2014 , 157, 485-9 | 8.5 | 45 |
| 60 | Geographical identification of saffron (<i>Crocus sativus</i> L.) by linear discriminant analysis applied to the UV-visible spectra of aqueous extracts. <i>Food Chemistry</i> , 2017 , 219, 408-413 | 8.5 | 44 |
| 59 | Quantitative structure-retention relationships of pesticides in reversed-phase high-performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2007 , 582, 235-42 | 6.6 | 44 |
| 58 | Investigation of retention behaviour of non-steroidal anti-inflammatory drugs in high-performance liquid chromatography by using quantitative structure-retention relationships. <i>Analytica Chimica Acta</i> , 2007 , 601, 68-76 | 6.6 | 38 |
| 57 | Development of molecularly imprinted polymeric nanofibers by electrospinning and applications to pesticide adsorption. <i>Journal of Separation Science</i> , 2015 , 38, 1402-10 | 3.4 | 29 |
| 56 | Geographical discrimination of red garlic (<i>Allium sativum</i> L.) produced in Italy by means of multivariate statistical analysis of ICP-OES data. <i>Food Chemistry</i> , 2019 , 275, 333-338 | 8.5 | 29 |
| 55 | Modelling of retention of pesticides in reversed-phase high-performance liquid chromatography: quantitative structure-retention relationships based on solute quantum-chemical descriptors and experimental (solvatochromic and spin-probe) mobile phase descriptors. <i>Analytica Chimica Acta</i> , 2007 , 593, 140-51 | 6.6 | 26 |
| 54 | Artificial neural network prediction of multilinear gradient retention in reversed-phase HPLC: comprehensive QSRR-based models combining categorical or structural solute descriptors and gradient profile parameters. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1181-90 | 4.4 | 25 |
| 53 | Physicochemical properties of fluorescent probes: experimental and computational determination of the overlapping pKa values of carboxyfluorescein. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3411-7 | 4.2 | 25 |
| 52 | Optimisation by response surface methodology of microextraction by packed sorbent of non steroidal anti-inflammatory drugs and ultra-high performance liquid chromatography analysis of dialyzed samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 125, 114-21 | 3.5 | 25 |
| 51 | Photocatalytic degradation of linuron in aqueous suspensions of TiO ₂ . <i>RSC Advances</i> , 2011 , 1, 611 | 3.7 | 24 |
| 50 | Cross-column prediction of gas-chromatographic retention of polychlorinated biphenyls by artificial neural networks. <i>Journal of Chromatography A</i> , 2011 , 1218, 8679-90 | 4.5 | 23 |
| 49 | Cross-column retention prediction in reversed-phase high-performance liquid chromatography by artificial neural network modelling. <i>Analytica Chimica Acta</i> , 2012 , 717, 52-60 | 6.6 | 22 |
| 48 | Optimization using chemometrics of HS-SPME/GCMS profiling of saffron aroma and identification of geographical volatile markers. <i>European Food Research and Technology</i> , 2018 , 244, 1605-1613 | 3.4 | 21 |

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| 47 | Prediction of the retention of s-triazines in reversed-phase high-performance liquid chromatography under linear gradient-elution conditions. <i>Journal of Separation Science</i> , 2014 , 37, 1930-6 ^{3,4} | 20 |
| 46 | Cross-column prediction of gas-chromatographic retention of polybrominated diphenyl ethers. <i>Journal of Chromatography A</i> , 2013 , 1298, 118-31 | 4.5 20 |
| 45 | Retention modelling of polychlorinated biphenyls in comprehensive two-dimensional gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 903-13 | 4.4 20 |
| 44 | Quantitative structure-retention relationships of pesticides in reversed-phase high-performance liquid chromatography based on WHIM and GETAWAY molecular descriptors. <i>Analytica Chimica Acta</i> , 2008 , 628, 162-72 | 6.6 20 |
| 43 | Multiple-column RP-HPLC retention modelling based on solvatochromic or theoretical solute descriptors. <i>Journal of Separation Science</i> , 2010 , 33, 155-66 | 3.4 19 |
| 42 | Adsorption of triazine herbicides from aqueous solution by functionalized multiwall carbon nanotubes grown on silicon substrate. <i>Nanotechnology</i> , 2018 , 29, 065701 | 3.4 18 |
| 41 | UHPLC Analysis of Saffron (L.): Optimization of Separation Using Chemometrics and Detection of Minor Crocetin Esters. <i>Molecules</i> , 2018 , 23, | 4.8 17 |
| 40 | Extraction of curcuminoids by using ethyl lactate and its optimisation by response surface methodology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 149, 89-95 | 3.5 16 |
| 39 | HPLC with diode-array detection for the simultaneous determination of di(2-ethylhexyl)phthalate and mono(2-ethylhexyl)phthalate in seminal plasma. <i>Biomedical Chromatography</i> , 2007 , 21, 1166-71 | 1.7 15 |
| 38 | Geographical discrimination of red garlic (<i>Allium sativum</i> L.) using fast and non-invasive Attenuated Total Reflectance-Fourier Transformed Infrared (ATR-FTIR) spectroscopy combined with chemometrics. <i>Journal of Food Composition and Analysis</i> , 2020 , 86, 103351 | 4.1 15 |
| 37 | Investigation by response surface methodology of the combined effect of pH and composition of water-methanol mixtures on the stability of curcuminoids. <i>Food Chemistry</i> , 2017 , 219, 414-418 | 8.5 13 |
| 36 | Multi-variable retention modelling in reversed-phase high-performance liquid chromatography based on the solvation method: a comparison between curvilinear and artificial neural network regression. <i>Analytica Chimica Acta</i> , 2011 , 690, 35-46 | 6.6 13 |
| 35 | Geographical discrimination of garlic (<i>Allium Sativum</i> L.) based on Stable isotope ratio analysis coupled with statistical methods: The Italian case study. <i>Food and Chemical Toxicology</i> , 2019 , 134, 110862 ^{4,7} | 12 |
| 34 | Curcuminoids-loaded liposomes: influence of lipid composition on their physicochemical properties and efficacy as delivery systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 597, 124759 | 5.1 11 |
| 33 | Modelling of UPLC behaviour of acylcarnitines by quantitative structure-retention relationships. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 96, 224-30 | 3.5 11 |
| 32 | Volatiles fingerprint of <i>Artemisia umbelliformis</i> subsp. <i>eriantha</i> by headspace-solid phase microextraction GC-MS. <i>Natural Product Research</i> , 2014 , 28, 61-6 | 2.3 11 |
| 31 | Artificial neural network modelling of retention of pesticides in various octadecylsiloxane-bonded reversed-phase columns and water-acetonitrile mobile phase. <i>Analytica Chimica Acta</i> , 2009 , 646, 47-61 | 6.6 11 |
| 30 | Gel-type polyacrylic resins cross-linked with trimethylolpropanetrimethacrylate: the issue of their nanostructure and molecular accessibility unveiled with a combination of inverse steric exclusion chromatography (ISEC), and ESR and CP-MAS ¹³ C NMR spectroscopy. <i>Chemistry - A European Journal</i> , 2005 , 11, 7385-404 | 4.8 10 |

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| 29 | Geographical discrimination of saffron (<i>Crocus sativus</i> L.) using ICP-MS elemental data and class modeling of PDO Zafferano dell'Aquila produced in Abruzzo (Italy). <i>Food Analytical Methods</i> , 2019 , 12, 2572-2581 | 3.4 | 9 |
| 28 | Cross-column prediction of gas-chromatographic retention indices of saturated esters. <i>Journal of Chromatography A</i> , 2014 , 1355, 269-77 | 4.5 | 9 |
| 27 | Electrochemical, pulsed-field-gradient spin-echo NMR spectroscopic, and ESR spectroscopic study of the diffusivity of molecular probes inside gel-type cross-linked polymers. <i>Chemistry - A European Journal</i> , 2007 , 13, 2392-401 | 4.8 | 9 |
| 26 | Modelling of the effect of solute structure and mobile phase pH and composition on the retention of phenoxy acid herbicides in reversed-phase high-performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2008 , 616, 123-37 | 6.6 | 9 |
| 25 | Geographical classification of Iranian and Italian saffron sources based on HPLC analysis and UV-Vis spectra of aqueous extracts. <i>European Food Research and Technology</i> , 2019 , 245, 2435-2446 | 3.4 | 8 |
| 24 | Cross-linked poly-4-vinylpyridines as useful supports in metal catalysis: micro- and nanometer scale morphology. <i>Journal of Molecular Catalysis A</i> , 2007 , 268, 176-184 | | 8 |
| 23 | Catalytic activity of bovine lactoperoxidase supported on macroporous poly(2-hydroxyethyl methacrylate-co-glycidyl methacrylate). <i>Reactive and Functional Polymers</i> , 2004 , 61, 411-419 | 4.6 | 8 |
| 22 | Optimisation of temperature-programmed gas chromatographic separation of organochloride pesticides by response surface methodology. <i>Journal of Chromatography A</i> , 2015 , 1423, 149-57 | 4.5 | 7 |
| 21 | Discrimination of Potato (<i>Solanum tuberosum</i> L.) Accessions Collected in Majella National Park (Abruzzo, Italy) Using Mid-Infrared Spectroscopy and Chemometrics Combined with Morphological and Molecular Analysis. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1630 | 2.6 | 7 |
| 20 | Adsorption of s-triazines onto polybenzimidazole: a quantitative structure-property relationship investigation. <i>Analytica Chimica Acta</i> , 2009 , 650, 175-82 | 6.6 | 7 |
| 19 | Application of Novel Techniques for Monitoring Quality Changes in Meat and Fish Products during Traditional Processing Processes: Reconciling Novelty and Tradition. <i>Processes</i> , 2020 , 8, 988 | 2.9 | 7 |
| 18 | Artificial Neural Network Prediction of Retention of Amino Acids in Reversed-Phase HPLC under Application of Linear Organic Modifier Gradients and/or pH Gradients. <i>Molecules</i> , 2019 , 24, | 4.8 | 6 |
| 17 | Investigation by Response Surface Methodology of Extraction of Caffeine, Gallic Acid and Selected Catechins from Tea Using Water-Ethanol Mixtures. <i>Food Analytical Methods</i> , 2016 , 9, 2773-2779 | 3.4 | 6 |
| 16 | On the growth and shape of sodium taurodeoxycholate micellar aggregates: a spin-label and quasielastic light scattering investigation. <i>Journal of Chemical Physics</i> , 2004 , 120, 4800-7 | 3.9 | 6 |
| 15 | Analysis of intraspecific seed diversity in <i>Astragalus aquilanus</i> (Fabaceae), an endemic species of Central Apennine. <i>Plant Biology</i> , 2019 , 21, 507-514 | 3.7 | 5 |
| 14 | Authentication of PDO saffron of L'Aquila (<i>Crocus sativus</i> L.) by HPLC-DAD coupled with a discriminant multi-way approach. <i>Food Control</i> , 2020 , 110, 107022 | 6.2 | 5 |
| 13 | Geographical Classification of Italian Saffron (L.) by Multi-Block Treatments of UV-Vis and IR Spectroscopic Data. <i>Molecules</i> , 2020 , 25, | 4.8 | 4 |
| 12 | Quantitative structure-retention relationships of cannabimimetic aminoalkylindole derivatives and their metabolites. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015 , 109, 136-41 | 3.5 | 4 |

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| 11 | A multi-lysimeter investigation on the mobility and persistence of pesticides in the loam soil of the Fucino Plain (Italy). <i>Journal of Environmental Monitoring</i> , 2008 , 10, 747-52 | | 4 |
| 10 | Experimental Design in Ion Chromatography: Effect of the Organic Modifier and Complexing Agent on the Retention of Alkaline and Alkaline Earth Ions. <i>Chromatographia</i> , 2017 , 80, 853-860 | 2.1 | 3 |
| 9 | Characterisation of Gas-Chromatographic Poly(Siloxane) Stationary Phases by Theoretical Molecular Descriptors and Prediction of McReynolds Constants. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 3 |
| 8 | Detection of Plant-Derived Adulterants in Saffron (<i>Crocus sativus</i> L.) by HS-SPME/GC-MS Profiling of Volatiles and Chemometrics. <i>Food Analytical Methods</i> , 2021 , 14, 784-796 | 3.4 | 3 |
| 7 | Nanostructure and molecular accessibility of gel-type resins for supported bio-catalysis. <i>Reactive and Functional Polymers</i> , 2003 , 55, 21-26 | 4.6 | 2 |
| 6 | Geographical Discrimination of Bell Pepper () Spices by (HS)-SPME/GC-MS Aroma Profiling and Chemometrics. <i>Molecules</i> , 2021 , 26, | 4.8 | 2 |
| 5 | Characterization of the Volatile Profile of Cultivated and Wild-Type Italian Celery (<i>Apium graveolens</i> L.) Varieties by HS-SPME/GC-MS. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5855 | 2.6 | 2 |
| 4 | Sequential Data Fusion Techniques for the Authentication of the P.G.I. Senise (Trusco) Bell Pepper. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1709 | 2.6 | 2 |
| 3 | Retention Modelling of Phenoxy Acid Herbicides in Reversed-Phase HPLC under Gradient Elution. <i>Molecules</i> , 2020 , 25, | 4.8 | 1 |
| 2 | Quantitative structure/eluent-retention relationships in reversed-phase high-performance liquid chromatography based on the solvatochromic method. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 755-66 | 4.4 | 1 |
| 1 | ICP-OES analysis coupled with chemometrics for the characterization and the discrimination of high added value Italian Emmer samples. <i>Journal of Food Composition and Analysis</i> , 2021 , 98, 103842 | 4.1 | 1 |