

Christian GÃ¼nter Kirchner

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

433
citations

840585

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h-index

713332

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22
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22
docs citations

22
times ranked

312
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Quantification of Silymarin in Silybi mariani fructus: Challenging the Analytical Performance of Benchtop vs. Handheld NIR Spectrometers on Whole Seeds. <i>Planta Medica</i> , 2022, 88, 20-32. | 0.7 | 6 |
| 2 | Theae nigrae folium: Comparing the analytical performance of benchtop and handheld near-infrared spectrometers. <i>Talanta</i> , 2021, 221, 121165. | 2.9 | 39 |
| 3 | Near-Infrared Spectra of High-Density Crystalline H ₂ O Ices II, IV, V, VI, IX, and XII. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1062-1068. | 1.1 | 6 |
| 4 | The coupling of localised, vibrational modes – Probing OH-bands of organic molecules via a two dimensional Numerov approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117377. | 2.0 | 2 |
| 5 | Differentiation of South African Game Meat Using Near-Infrared (NIR) Spectroscopy and Hierarchical Modelling. <i>Molecules</i> , 2020, 25, 1845. | 1.7 | 10 |
| 6 | At-Line Monitoring of the Extraction Process of Rosmarini Folium via Wet Chemical Assays, UHPLC Analysis, and Newly Developed Near-Infrared Spectroscopic Analysis Methods. <i>Molecules</i> , 2019, 24, 2480. | 1.7 | 5 |
| 7 | Novel asymmetric 1,3-di(alkyloxy)imidazolium based ionic liquids for liquid-phase microextraction of selected analgesics and estrogens from aqueous samples. <i>Journal of Molecular Liquids</i> , 2019, 289, 111157. | 2.3 | 7 |
| 8 | Distinct Difference in Sensitivity of NIR vs. IR Bands of Melamine to Inter-Molecular Interactions with Impact on Analytical Spectroscopy Explained by Anharmonic Quantum Mechanical Study. <i>Molecules</i> , 2019, 24, 1402. | 1.7 | 38 |
| 9 | Hemodialysis monitoring using mid- and near-infrared spectroscopy with partial least squares regression. <i>Journal of Biophotonics</i> , 2018, 11, e201700365. | 1.1 | 14 |
| 10 | Near-infrared and Mid-infrared Spectroscopic Techniques for a Fast and Nondestructive Quality Control of Thymi herba. <i>Planta Medica</i> , 2018, 84, 420-427. | 0.7 | 11 |
| 11 | Determination of the clean-up efficiency of the solid-phase extraction of rosemary extracts: Application of full-factorial design in hyphenation with Gaussian peak fit function. <i>Journal of Separation Science</i> , 2018, 41, 704-712. | 1.3 | 5 |
| 12 | Direct Determination of Ni ²⁺ -Capacity of IMAC Materials Using Near-Infrared Spectroscopy. <i>Molecules</i> , 2018, 23, 3072. | 1.7 | 6 |
| 13 | Synthesis and Application of Histidine-Modified Poly(Glycidyl Methacrylate/Ethylene Glycol) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5 Chromatographia, 2018, 81, 1467-1474. | 0.7 | 2 |
| 14 | Comparative study of substituted poly(4-vinylbenzyl chloride/ethylene glycol dimethacrylate) sorbents for enrichment of selected pharmaceuticals and estrogens from aqueous samples. <i>Journal of Hazardous Materials</i> , 2018, 355, 180-186. | 6.5 | 9 |
| 15 | Near infrared spectroscopy as an alternative quick method for simultaneous detection of multiple adulterants in whey protein-based sports supplement. <i>Food Control</i> , 2018, 94, 331-340. | 2.8 | 14 |
| 16 | NIR spectra simulation of thymol for better understanding of the spectra forming factors, phase and concentration effects and PLS regression features. <i>Journal of Molecular Liquids</i> , 2018, 268, 895-902. | 2.3 | 42 |
| 17 | Comparison of sensitivity to artificial spectral errors and multivariate LOD in NIR spectroscopy – Determining the performance of miniaturizations on melamine in milk powder. <i>Talanta</i> , 2017, 166, 109-118. | 2.9 | 30 |
| 18 | Application of benchtop and portable near-infrared spectrometers for predicting the optimum harvest time of Verbena officinalis. <i>Talanta</i> , 2017, 169, 70-76. | 2.9 | 43 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Critical Evaluation of NIR and ATR-IR Spectroscopic Quantifications of Rosmarinic Acid in Rosmarini folium Supported by Quantum Chemical Calculations. <i>Planta Medica</i> , 2017, 83, 1076-1084. | 0.7 | 25 |
| 20 | Critical evaluation of spectral information of benchtop vs. portable near-infrared spectrometers: quantum chemistry and two-dimensional correlation spectroscopy for a better understanding of PLS regression models of the rosmarinic acid content in Rosmarini folium. <i>Analyst</i> , The, 2017, 142, 455-464. | 1.7 | 94 |
| 21 | Synthesis and crystal structures of non-symmetric 1,3-di(alkyloxy)imidazolium salts. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 617-626. | 0.3 | 10 |
| 22 | Miniaturized NIR spectroscopy for the determination of main carbohydrates in syrup. <i>NIR News</i> , 2017, 28, 3-6. | 1.6 | 15 |