

ErnÅ‘ TyihÃ¼k

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,195
citations

361413

20
h-index

377865

34
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54
all docs

54
docs citations

54
times ranked

578
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Determining progress directions in layer liquid chromatographyâ€”Dreams and realities. , 2016, , 487-501. | | 0 |
| 2 | BioArena system for studying key molecules as well as ingredients in biological samples. , 2016, , 397-485. | | 1 |
| 3 | Overpressured-layer chromatography. , 2016, , 49-186. | | 4 |
| 4 | Unique potentialities of layer liquid systemâ€”results, limitations, new demands. , 2016, , 1-47. | | 0 |
| 5 | Forced-Flow Development in Overpressured Layer Chromatography. , 2015, , 107-133. | | 3 |
| 6 | STUDY OF TRACE ELEMENTS IN BIOARENA SYSTEM AND IN IN VIVO CONDITIONS. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 2857-2871. | 1.0 | 1 |
| 7 | BioArena System for Knowing and Understanding the Biological World: A Review with New Experimental Results. Journal of AOAC INTERNATIONAL, 2013, 96, 1189-1199. | 1.5 | 10 |
| 8 | Separation and Identification of Antibacterial Chamomile Components Using OPLC, Bioautography and GC-MS. Medicinal Chemistry, 2012, 8, 85-94. | 1.5 | 33 |
| 9 | BioArena Studies: Unique Function of Endogenous Formaldehyde and Ozone in the Antibiotic Effect â€” A Review. Medicinal Chemistry, 2012, 8, 75-84. | 1.5 | 12 |
| 10 | Application of direct bioautography and SPME-GC-MS for the study of antibacterial chamomile ingredients. Journal of Planar Chromatography - Modern TLC, 2012, 25, 220-224. | 1.2 | 14 |
| 11 | Indirect and direct methods for the detection and measurement of endogenous ozone in biological samples. Journal of Planar Chromatography - Modern TLC, 2012, 25, 232-237. | 1.2 | 2 |
| 12 | Bioassay-Guided Isolation and Identification of Antimicrobial Compounds from Thyme Essential Oil by Means of Overpressured Layer Chromatography, Bioautography and GCâ€”MS. Chromatographia, 2012, 75, 991-999. | 1.3 | 26 |
| 13 | Enzymic Methylation of Ascorbigen and Demethylation of Its N-Methyl Derivative by Pseudomonas savastanoi pv. phaseolicola Bacteria. Chromatographia, 2012, 75, 1001-1007. | 1.3 | 1 |
| 14 | Biological Characterization of Ingredients in OPLC-BioArena-Greenhouse-System: Unique Reactions of Endogenous HCHO and O3 in In Vitro and In Vivo Conditions. Chromatographia, 2012, 75, 983-990. | 1.3 | 6 |
| 15 | Overpressured layer chromatography: From the pressurized ultramicro chamber to BioArena system. Journal of Chromatography A, 2012, 1232, 3-18. | 3.7 | 44 |
| 16 | Overpressured Layer Chromatography (OPLC) â€” A Flexible Tool of Analysis and Isolation. Natural Product Communications, 2011, 6, 1934578X1100600. | 0.5 | 2 |
| 17 | Effect of ascorbigen and 1'-methylascorbigen on disease resistance of bean plants to Uromyces phaseoli. Natural Product Communications, 2011, 6, 611-5. | 0.5 | 3 |
| 18 | Multiple beneficial effects of resveratrol and their chemical-biochemical basis. Natural Product Communications, 2011, 6, 631-8. | 0.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Overpressured layer chromatography (OPLC)--a flexible tool of analysis and isolation. Natural Product Communications, 2011, 6, 719-32. | 0.5 | 14 |
| 20 | Effect of trans-resveratrol and ascorbigens on the fire blight pathogen <i>Erwinia amylovora</i> in the BioArena system. Journal of Planar Chromatography - Modern TLC, 2010, 23, 411-414. | 1.2 | 4 |
| 21 | Forced-flow planar liquid chromatographic techniques (after twenty-two years). Journal of Planar Chromatography - Modern TLC, 2010, 23, 382-395. | 1.2 | 23 |
| 22 | Usefulness of transgenic luminescent bacteria in direct bioautographic investigation of chamomile extracts. Journal of Planar Chromatography - Modern TLC, 2010, 23, 180-183. | 1.2 | 26 |
| 23 | Direct Measurement of Emission of Endogenous Ozone from Plants by GC-MS-SIM. Chromatographia, 2010, 71, 87-91. | 1.3 | 13 |
| 24 | Effect of formaldehyde on cell proliferation and death. Cell Biology International, 2010, 34, 1273-1282. | 3.0 | 55 |
| 25 | Potential role of formaldehyde in the mechanism of action of ascorbigens on the basis of BioArena studies. Biomedical Chromatography, 2009, 23, 412-418. | 1.7 | 14 |
| 26 | Use of the BioArena system for indirect detection of endogenous ozone in spots after TLC or OPLC separation. Journal of Planar Chromatography - Modern TLC, 2008, 21, 77-82. | 1.2 | 15 |
| 27 | New approach to mechanism of action of paclitaxel by means of BioArena studies. Journal of Planar Chromatography - Modern TLC, 2008, 21, 331-336. | 1.2 | 12 |
| 28 | BioArena: An unlimited possibility of biochemical interactions in the adsorbent layer after chromatographic separation. Journal of Planar Chromatography - Modern TLC, 2008, 21, 15-20. | 1.2 | 19 |
| 29 | Applicability of the BioArena system to investigation of the mechanisms of biological effects. Journal of Planar Chromatography - Modern TLC, 2008, 21, 417-422. | 1.2 | 25 |
| 30 | Overpressured layer chromatographic determination of aflatoxin B1, B2, G1 and G2 in red paprika. Microchemical Journal, 2007, 85, 140-144. | 4.5 | 31 |
| 31 | Identification of 1- ² -methylascorbigen in broccoli. Journal of Planar Chromatography - Modern TLC, 2006, 19, 139-145. | 1.2 | 5 |
| 32 | Investigation of Chelidonium alkaloids by use of a complex bioautographic system. Journal of Planar Chromatography - Modern TLC, 2006, 19, 267-272. | 1.2 | 19 |
| 33 | The potential of BioArena in the study of the formaldehyde. Journal of Planar Chromatography - Modern TLC, 2005, 18, 67-72. | 1.2 | 21 |
| 34 | New terpenoids in cultivated and wild chamomile (in vivo and in vitro). Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 800, 231-238. | 2.3 | 44 |
| 35 | Antibiosis, antibiotics, and the formaldehyde cycle: The unique importance of planar chromatographic techniques to progress in these fields. Journal of Planar Chromatography - Modern TLC, 2004, 17, 84-88. | 1.2 | 18 |
| 36 | Overpressured-layer chromatographic determination of ascorbigen (bound vitamin C) in Brassica vegetables. Journal of Planar Chromatography - Modern TLC, 2004, 17, 360-364. | 1.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Single- and Multi-channel OPLC Separation on Non-segmented Sorbent Bed Using Flowing Eluent Wall for Operating Segmentation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 2611-2627. | 1.0 | 15 |
| 38 | Overpressured Layer Chromatography. , 2003, , . | | 4 |
| 39 | Spectroscopic and OPLC identification and measurement of formaldehyde and potential formaldehyde generators in macroscopic fungi. <i>Journal of Planar Chromatography - Modern TLC</i> , 2002, 15, 28-33. | 1.2 | 5 |
| 40 | Micro-preparative OPLC - rapid isolation by transfusion and infusion-transfusion processes. <i>Journal of Planar Chromatography - Modern TLC</i> , 2002, 15, 280-285. | 1.2 | 27 |
| 41 | Personal Overpressured-Layer Chromatography (OPLC) Basic System 50, Flexible Tool in Analytical and Semipreparative Work. <i>Journal of AOAC INTERNATIONAL</i> , 1999, 82, 587-598. | 1.5 | 56 |
| 42 | Formaldehyde from marine algae. <i>Biochemical Systematics and Ecology</i> , 1998, 26, 117-123. | 1.3 | 9 |
| 43 | Formaldehyde, as its dimedone adduct, from <i>Ascomyces nodosum</i> . <i>Journal of Applied Phycology</i> , 1996, 8, 211-215. | 2.8 | 26 |
| 44 | Possible role of formaldehyde in the apoptotic and mitotic effect of 1-methyl-ascorbigen. <i>Pathology and Oncology Research</i> , 1995, 1, 38-42. | 1.9 | 35 |
| 45 | Quantitative estimation of betaines in commercial seaweed extracts using overpressured layer chromatography. <i>Journal of Applied Phycology</i> , 1994, 6, 469-473. | 2.8 | 10 |
| 46 | Simple determination of formaldehyde in dimedone adduct form in biological samples by high performance liquid chromatography. <i>Biomedical Chromatography</i> , 1994, 8, 313-314. | 1.7 | 28 |
| 47 | Measurement of Formaldehyde, Hydrogen Peroxide and Non-protein Thiols in Tobacco Leaves during Ageing. <i>Biochemie Und Physiologie Der Pflanzen</i> , 1991, 187, 131-138. | 0.5 | 4 |
| 48 | Overpressured multi-layer chromatography. <i>Journal of Chromatography A</i> , 1989, 471, 375-387. | 3.7 | 32 |
| 49 | Hydrogen peroxide dependent N-demethylase activity in the leaves of normal and heat-shocked bean plants. <i>Plant Science</i> , 1987, 52, 21-27. | 3.6 | 17 |
| 50 | The isolation of N ⁶ -formyl-L-lysine from the reaction between formaldehyde and L-lysine and its identification by OPLC and NMR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1985, 3, 343-349. | 2.8 | 5 |
| 51 | Optimization of operating parameters in overpressured thin-layer chromatography. <i>Journal of Chromatography A</i> , 1981, 211, 45-51. | 3.7 | 67 |
| 52 | Gas-liquid chromatographic analysis of dimedone derivatives of formaldehyde and other aliphatic aldehydes on capillary columns. <i>Journal of Chromatography A</i> , 1980, 191, 239-244. | 3.7 | 32 |
| 53 | Resolution and retention behaviour of some dyes in overpressured thin-layer chromatography. <i>Journal of Chromatography A</i> , 1980, 191, 293-300. | 3.7 | 84 |
| 54 | New planar liquid chromatographic technique: overpressured thin-layer chromatography. <i>Journal of Chromatography A</i> , 1979, 174, 75-81. | 3.7 | 192 |