

Richard Bruce Van Breemen

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351
papers

14,406
citations

68
h-index

99
g-index

378
ext. papers

15,809
ext. citations

4.5
avg, IF

6.3
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 351 | Modifying specific cysteines of the electrophile-sensing human Keap1 protein is insufficient to disrupt binding to the Nrf2 domain Neh2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 10070-5 | 11.5 | 372 |
| 350 | Oxidative DNA damage in prostate cancer patients consuming tomato sauce-based entrees as a whole-food intervention. <i>Journal of the National Cancer Institute</i> , 2001 , 93, 1872-9 | 9.7 | 342 |
| 349 | Evaluation of estrogenic activity of plant extracts for the potential treatment of menopausal symptoms. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 2472-9 | 5.7 | 330 |
| 348 | Caco-2 cell permeability assays to measure drug absorption. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005 , 1, 175-85 | 5.5 | 306 |
| 347 | An LC-MS method for analyzing total resveratrol in grape juice, cranberry juice, and in wine. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 431-5 | 5.7 | 257 |
| 346 | Human, rat, and mouse metabolism of resveratrol. <i>Pharmaceutical Research</i> , 2002 , 19, 1907-14 | 4.5 | 232 |
| 345 | Modification of Keap1 cysteine residues by sulforaphane. <i>Chemical Research in Toxicology</i> , 2011 , 24, 515-21 | 4.1 | 184 |
| 344 | Use of high-performance liquid chromatography-tandem mass spectrometry to distinguish Panax ginseng C. A. Meyer (Asian ginseng) and Panax quinquefolius L. (North American ginseng). <i>Analytical Chemistry</i> , 2000 , 72, 5417-22 | 7.8 | 175 |
| 343 | Xanthohumol isolated from <i>Humulus lupulus</i> inhibits menadione-induced DNA damage through induction of quinone reductase. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1296-305 | 4 | 171 |
| 342 | Selective synthesis and biological evaluation of sulfate-conjugated resveratrol metabolites. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 5033-43 | 8.3 | 163 |
| 341 | Black cohosh acts as a mixed competitive ligand and partial agonist of the serotonin receptor. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 5661-70 | 5.7 | 161 |
| 340 | Tomato sauce supplementation and prostate cancer: lycopene accumulation and modulation of biomarkers of carcinogenesis. <i>Experimental Biology and Medicine</i> , 2002 , 227, 886-93 | 3.7 | 156 |
| 339 | Resveratrol in raw and baked blueberries and bilberries. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 5867-70 | 5.7 | 155 |
| 338 | Sites of alkylation of human Keap1 by natural chemoprevention agents. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 2226-32 | 3.5 | 142 |
| 337 | Multitargeted therapy of cancer by lycopene. <i>Cancer Letters</i> , 2008 , 269, 339-51 | 9.9 | 141 |
| 336 | Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry of Carotenoids. <i>International Journal of Mass Spectrometry</i> , 2012 , 312, 163-172 | 1.9 | 131 |
| 335 | Safety and efficacy of black cohosh and red clover for the management of vasomotor symptoms: a randomized controlled trial. <i>Menopause</i> , 2009 , 16, 1156-66 | 2.5 | 130 |

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| 334 | Pulsed ultrafiltration mass spectrometry: a new method for screening combinatorial libraries. <i>Analytical Chemistry</i> , 1997 , 69, 2159-64 | 7.8 | 129 |
| 333 | Psychosine accumulates in membrane microdomains in the brain of krabbe patients, disrupting the raft architecture. <i>Journal of Neuroscience</i> , 2009 , 29, 6068-77 | 6.6 | 125 |
| 332 | Bisphenol A promotes human prostate stem-progenitor cell self-renewal and increases in vivo carcinogenesis in human prostate epithelium. <i>Endocrinology</i> , 2014 , 155, 805-17 | 4.8 | 121 |
| 331 | Carotenoid composition of marigold (<i>Tagetes erecta</i>) flower extract used as nutritional supplement. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 4189-94 | 5.7 | 121 |
| 330 | Cyclooxygenase-2 inhibitors in ginger (<i>Zingiber officinale</i>). <i>Phytotherapy Research</i> , 2011 , 82, 38-43 | 3.2 | 116 |
| 329 | Serotonergic activity-guided phytochemical investigation of the roots of <i>Angelica sinensis</i> . <i>Journal of Natural Products</i> , 2006 , 69, 536-41 | 4.9 | 113 |
| 328 | Metabolism of xanthohumol and isoxanthohumol, prenylated flavonoids from hops (<i>Humulus lupulus</i> L.), by human liver microsomes. <i>Journal of Mass Spectrometry</i> , 2005 , 40, 289-99 | 2.2 | 106 |
| 327 | Time-resolved laser desorption mass spectrometry. I. Desorption of preformed ions. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983 , 49, 35-50 | | 104 |
| 326 | Estrogens and congeners from spent hops (<i>Humulus lupulus</i>). <i>Journal of Natural Products</i> , 2004 , 67, 2024-32 | 4.32 | 102 |
| 325 | Identification of photocatalytic degradation products of diazinon in TiO ₂ aqueous suspensions using GC/MS/MS and LC/MS with quadrupole time-of-flight mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003 , 14, 803-17 | 3.5 | 101 |
| 324 | Comparison of the in vitro estrogenic activities of compounds from hops (<i>Humulus lupulus</i>) and red clover (<i>Trifolium pratense</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 6246-53 | 5.7 | 99 |
| 323 | Procyanidins: a comprehensive review encompassing structure elucidation via mass spectrometry. <i>Phytochemistry Reviews</i> , 2018 , 17, 1-16 | 7.7 | 96 |
| 322 | Novel marine phenazines as potential cancer chemopreventive and anti-inflammatory agents. <i>Marine Drugs</i> , 2012 , 10, 451-64 | 6 | 96 |
| 321 | Nature's palette: the search for natural blue colorants. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6498-511 | 5.7 | 94 |
| 320 | Determination of folates in human plasma using hydrophilic interaction chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2001 , 73, 5358-64 | 7.8 | 92 |
| 319 | The major metabolite of equilin, 4-hydroxyequilin, autoxidizes to an o-quinone which isomerizes to the potent cytotoxin 4-hydroxyequilenin-o-quinone. <i>Chemical Research in Toxicology</i> , 1999 , 12, 204-13 | 4 | 91 |
| 318 | Liquid Chromatography/Mass Spectrometry of Carotenoids Using Atmospheric Pressure Chemical Ionization. <i>Journal of Mass Spectrometry</i> , 1996 , 31, 975-981 | 2.2 | 91 |
| 317 | Isotopic tracer techniques for studying the bioavailability and bioefficacy of dietary carotenoids, particularly beta-carotene, in humans: a review. <i>American Journal of Clinical Nutrition</i> , 2003 , 77, 12-28 | 7 | 90 |

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|-----|--|------|----|
| 316 | Identification of human hepatic cytochrome P450 enzymes involved in the metabolism of 8-prenylnaringenin and isoxanthohumol from hops (<i>Humulus lupulus</i> L.). <i>Drug Metabolism and Disposition</i> , 2006 , 34, 1152-9 | 4 | 86 |
| 315 | Discovery of cyclooxygenase inhibitors from medicinal plants used to treat inflammation. <i>Pharmacological Research</i> , 2010 , 61, 519-24 | 10.2 | 83 |
| 314 | Applications of pulsed ultrafiltration-mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2002 , 21, 76-86 | 11 | 82 |
| 313 | Activity-guided isolation of antioxidative constituents of <i>Cotinus coggygria</i> . <i>Journal of Natural Products</i> , 2000 , 63, 1696-8 | 4.9 | 82 |
| 312 | Effects of ozone and oxygen on the degradation of carotenoids in an aqueous model system. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 5008-13 | 5.7 | 82 |
| 311 | Liquid chromatography-mass spectrometry of cis- and all-trans-lycopene in human serum and prostate tissue after dietary supplementation with tomato sauce. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 2214-9 | 5.7 | 81 |
| 310 | Enhanced ionization of phosphorylated peptides during MALDI TOF mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 1532-6 | 7.8 | 80 |
| 309 | Oxidation of raloxifene to quinoids: potential toxic pathways via a diquinone methide and o-quinones. <i>Chemical Research in Toxicology</i> , 2004 , 17, 879-88 | 4 | 80 |
| 308 | Synthesis and reactivity of a potential carcinogenic metabolite of tamoxifen: 3,4-dihydroxytamoxifen-o-quinone. <i>Chemical Research in Toxicology</i> , 2000 , 13, 53-62 | 4 | 78 |
| 307 | Bioefficacy of beta-carotene dissolved in oil studied in children in Indonesia. <i>American Journal of Clinical Nutrition</i> , 2001 , 73, 949-58 | 7 | 78 |
| 306 | Up-regulation of neurotrophic factors by cinnamon and its metabolite sodium benzoate: therapeutic implications for neurodegenerative disorders. <i>Journal of NeuroImmune Pharmacology</i> , 2013 , 8, 739-55 | 6.9 | 76 |
| 305 | A round robin approach to the analysis of bisphenol A (BPA) in human blood samples. <i>Environmental Health</i> , 2014 , 13, 25 | 6 | 76 |
| 304 | Black cohosh (<i>Cimicifuga racemosa</i> L.) protects against menadione-induced DNA damage through scavenging of reactive oxygen species: bioassay-directed isolation and characterization of active principles. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 7022-8 | 5.7 | 76 |
| 303 | A metabolite of equine estrogens, 4-hydroxyequilenin, induces DNA damage and apoptosis in breast cancer cell lines. <i>Chemical Research in Toxicology</i> , 2000 , 13, 342-50 | 4 | 76 |
| 302 | Equine estrogen metabolite 4-hydroxyequilenin induces DNA damage in the rat mammary tissues: formation of single-strand breaks, apurinic sites, stable adducts, and oxidized bases. <i>Chemical Research in Toxicology</i> , 2001 , 14, 1654-9 | 4 | 76 |
| 301 | An improved LC-MS/MS method for the quantification of prostaglandins E(2) and D(2) production in biological fluids. <i>Analytical Biochemistry</i> , 2008 , 372, 41-51 | 3.1 | 74 |
| 300 | The chemical and biologic profile of a red clover (<i>Trifolium pratense</i> L.) phase II clinical extract. <i>Journal of Alternative and Complementary Medicine</i> , 2006 , 12, 133-9 | 2.4 | 74 |
| 299 | Ultrafiltration tandem mass spectrometry of estrogens for characterization of structure and affinity for human estrogen receptors. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 271-9 | 3.5 | 74 |

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|-----|---|------|----|
| 298 | Alkylation of 2Pdeoxynucleosides and DNA by the Premarin metabolite 4-hydroxyequilenin semiquinone radical. <i>Chemical Research in Toxicology</i> , 1998 , 11, 94-101 | 4 | 74 |
| 297 | From serendipity to rational antituberculosis drug discovery of mefloquine-isoxazole carboxylic acid esters. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 6966-78 | 8.3 | 73 |
| 296 | Metabolism of 8-prenylnaringenin, a potent phytoestrogen from hops (<i>Humulus lupulus</i>), by human liver microsomes. <i>Drug Metabolism and Disposition</i> , 2004 , 32, 272-9 | 4 | 73 |
| 295 | Quantitative analysis of phytosterols in edible oils using APCI liquid chromatography-tandem mass spectrometry. <i>Lipids</i> , 2013 , 48, 949-56 | 1.6 | 72 |
| 294 | Electrospray Liquid Chromatography-Mass Spectrometry of Carotenoids. <i>Analytical Chemistry</i> , 1995 , 67, 2004-2009 | 7.8 | 71 |
| 293 | Pharmacokinetics of prenylated hop phenols in women following oral administration of a standardized extract of hops. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1962-9 | 5.9 | 70 |
| 292 | Development of a method for quantitation of retinol and retinyl palmitate in human serum using high-performance liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 1998 , 794, 245-51 | 4.5 | 70 |
| 291 | Identification of the highly reactive cysteine 151 in the chemopreventive agent-sensor Keap1 protein is method-dependent. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1878-84 | 4 | 70 |
| 290 | Flavonoid constituents of <i>Chorizanthe diffusa</i> with potential cancer chemopreventive activity. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 36-41 | 5.7 | 70 |
| 289 | Neuronal inclusions of β -Synuclein contribute to the pathogenesis of Krabbe disease. <i>Journal of Pathology</i> , 2014 , 232, 509-21 | 9.4 | 69 |
| 288 | Inhibition of rat mammary tumorigenesis by concord grape juice constituents. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 7280-6 | 5.7 | 69 |
| 287 | Evaluation of cyclooxygenase-2 inhibitors using pulsed ultrafiltration mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 3853-9 | 7.8 | 69 |
| 286 | Axonopathy is a compounding factor in the pathogenesis of Krabbe disease. <i>Acta Neuropathologica</i> , 2011 , 122, 35-48 | 14.3 | 68 |
| 285 | Identification of novel electrophilic metabolites of piper methysticum Forst (Kava). <i>Chemical Research in Toxicology</i> , 2003 , 16, 733-40 | 4 | 68 |
| 284 | Comparison of negative and positive ion electrospray tandem mass spectrometry for the liquid chromatography tandem mass spectrometry analysis of oxidized deoxynucleosides. <i>Journal of the American Society for Mass Spectrometry</i> , 2001 , 12, 80-7 | 3.5 | 68 |
| 283 | Identification of chlorophyll derivatives by mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 1991 , 39, 1452-1456 | 5.7 | 68 |
| 282 | In vivo estrogenic comparisons of <i>Trifolium pratense</i> (red clover) <i>Humulus lupulus</i> (hops), and the pure compounds isoxanthohumol and 8-prenylnaringenin. <i>Chemico-Biological Interactions</i> , 2008 , 176, 30-9 | 5 | 67 |
| 281 | Combined hematopoietic and lentiviral gene-transfer therapies in newborn Twitcher mice reveal contemporaneous neurodegeneration and demyelination in Krabbe disease. <i>Journal of Neuroscience Research</i> , 2009 , 87, 1748-59 | 4.4 | 65 |

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|-----|--|-----|----|
| 280 | Screening solution-phase combinatorial libraries using pulsed ultrafiltration/electrospray mass spectrometry. <i>Journal of Medicinal Chemistry</i> , 1997 , 40, 4006-12 | 8.3 | 64 |
| 279 | Cancer chemopreventive activity and metabolism of isoliquiritigenin, a compound found in licorice. <i>Cancer Prevention Research</i> , 2010 , 3, 221-32 | 3.2 | 63 |
| 278 | In vitro serotonergic activity of black cohosh and identification of N(omega)-methylserotonin as a potential active constituent. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 11718-26 | 5.7 | 63 |
| 277 | Isolation of linoleic acid as an estrogenic compound from the fruits of <i>Vitex agnus-castus</i> L. (chaste-berry). <i>Phytomedicine</i> , 2004 , 11, 18-23 | 6.5 | 63 |
| 276 | The equine estrogen metabolite 4-hydroxyequilenin causes DNA single-strand breaks and oxidation of DNA bases in vitro. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1105-11 | 4 | 63 |
| 275 | Pharmacokinetic Interactions between Drugs and Botanical Dietary Supplements. <i>Drug Metabolism and Disposition</i> , 2016 , 44, 162-71 | 4 | 62 |
| 274 | Identification and quantification of gingerols and related compounds in ginger dietary supplements using high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 10014-21 | 5.7 | 62 |
| 273 | Oxidative DNA damage induced by equine estrogen metabolites: role of estrogen receptor alpha. <i>Chemical Research in Toxicology</i> , 2002 , 15, 512-9 | 4 | 61 |
| 272 | Electrospray Liquid Chromatography/Mass Spectrometry of Ginsenosides. <i>Analytical Chemistry</i> , 1995 , 67, 3985-3989 | 7.8 | 61 |
| 271 | Screening natural products for inhibitors of quinone reductase-2 using ultrafiltration LC-MS. <i>Analytical Chemistry</i> , 2011 , 83, 1048-52 | 7.8 | 60 |
| 270 | Bioactivation of the selective estrogen receptor modulator desmethylated arzoxifene to quinoids: 4Pfluoro substitution prevents quinoid formation. <i>Chemical Research in Toxicology</i> , 2005 , 18, 162-73 | 4 | 60 |
| 269 | Mass spectrometry-based screening for inhibitors of beta-amyloid protein aggregation. <i>Analytical Chemistry</i> , 2005 , 77, 7012-5 | 7.8 | 60 |
| 268 | <i>Trifolium pratense</i> (red clover) exhibits estrogenic effects in vivo in ovariectomized Sprague-Dawley rats. <i>Journal of Nutrition</i> , 2002 , 132, 27-30 | 4.1 | 60 |
| 267 | A non-equilibrium isoelectric focusing method to determine states of phosphorylation of cardiac troponin I: identification of Ser-23 and Ser-24 as significant sites of phosphorylation by protein kinase C. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 213-8 | 5.8 | 59 |
| 266 | <i>Angelica sinensis</i> and its alkylphthalides induce the detoxification enzyme NAD(P)H: quinone oxidoreductase 1 by alkylating Keap1. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1939-48 | 4 | 58 |
| 265 | The soy isoflavone daidzein improves the capacity of tamoxifen to prevent mammary tumours. <i>European Journal of Cancer</i> , 2005 , 41, 647-54 | 7.5 | 58 |
| 264 | Screening for ligands of human retinoid X receptor-alpha using ultrafiltration mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 9398-402 | 7.8 | 55 |
| 263 | Identification of caffeic acid derivatives in <i>Actea racemosa</i> (<i>Cimicifuga racemosa</i> , black cohosh) by liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 978-82 | 2.2 | 55 |

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| 262 | Liquid chromatography/tandem mass spectrometric determination of inhibition of human cytochrome P450 isozymes by resveratrol and resveratrol-3-sulfate. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 307-13 | 2.2 | 55 |
| 261 | Bioreductive activation of catechol estrogen-ortho-quinones: aromatization of the B ring in 4-hydroxyequilenin markedly alters quinoid formation and reactivity. <i>Carcinogenesis</i> , 1997 , 18, 1093-1014 ⁶ | 4.6 | 54 |
| 260 | Secondary metabolites from <i>Andrographis paniculata</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2007 , 55, 455-8 | 1.9 | 54 |
| 259 | High-performance liquid chromatography with light-scattering detection and desorption chemical-ionization tandem mass spectrometry of milk fat triacylglycerols. <i>Lipids</i> , 1995 , 30, 85-90 | 1.6 | 54 |
| 258 | Evaluation of estrogenic activity of licorice species in comparison with hops used in botanicals for menopausal symptoms. <i>PLoS ONE</i> , 2013 , 8, e67947 | 3.7 | 54 |
| 257 | Inhibition of glutathione S-transferase activity by the quinoid metabolites of equine estrogens. <i>Chemical Research in Toxicology</i> , 1998 , 11, 758-65 | 4 | 52 |
| 256 | Solubilization and stabilization of carotenoids using micelles: delivery of lycopene to cells in culture. <i>Lipids</i> , 1999 , 34, 1031-6 | 1.6 | 52 |
| 255 | Antioxidant effects of lycopene in African American men with prostate cancer or benign prostate hyperplasia: a randomized, controlled trial. <i>Cancer Prevention Research</i> , 2011 , 4, 711-8 | 3.2 | 51 |
| 254 | Disposition of hop prenylflavonoids in human breast tissue. <i>Molecular Nutrition and Food Research</i> , 2010 , 54 Suppl 2, S284-94 | 5.9 | 51 |
| 253 | Quantitative analysis of lycopene isomers in human plasma using high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2003 , 75, 812-7 | 7.8 | 51 |
| 252 | Analysis and screening of combinatorial libraries using mass spectrometry. <i>Biopharmaceutics and Drug Disposition</i> , 2001 , 22, 353-72 | 1.7 | 51 |
| 251 | DNA oxidation induced by cyclooxygenase-2. <i>Chemical Research in Toxicology</i> , 2001 , 14, 351-4 | 4 | 51 |
| 250 | Prostate Cancer Risk and DNA Methylation Signatures in Aging Rats following Developmental BPA Exposure: A Dose-Response Analysis. <i>Environmental Health Perspectives</i> , 2017 , 125, 077007 | 8.4 | 50 |
| 249 | Autonomic denervation of lymphoid organs leads to epigenetic immune atrophy in a mouse model of Krabbe disease. <i>Journal of Neuroscience</i> , 2007 , 27, 13730-8 | 6.6 | 50 |
| 248 | Resveratrol derivatives as promising chemopreventive agents with improved potency and selectivity. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1249-65 | 5.9 | 49 |
| 247 | Coumaroyl iridoids and a depside from cranberry (<i>Vaccinium macrocarpon</i>). <i>Journal of Natural Products</i> , 2007 , 70, 253-8 | 4.9 | 49 |
| 246 | Screening method for the discovery of potential cancer chemoprevention agents based on mass spectrometric detection of alkylated Keap1. <i>Analytical Chemistry</i> , 2005 , 77, 6407-14 | 7.8 | 49 |
| 245 | Phytoconstituents from <i>Vitex agnus-castus</i> fruits. <i>Phytotherapy</i> , 2011 , 82, 528-33 | 3.2 | 48 |

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| 244 | Collision cross-section determination and tandem mass spectrometric analysis of isomeric carotenoids using electrospray ion mobility time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 9014-21 | 7.8 | 48 |
| 243 | Ensuring the safety of botanical dietary supplements. <i>American Journal of Clinical Nutrition</i> , 2008 , 87, 509S-13S | 7 | 48 |
| 242 | Mass spectrometric dereplication of nitrogen-containing constituents of black cohosh (<i>Cimicifuga racemosa</i> L.). <i>Phytotherapy Research</i> , 2012 , 83, 441-60 | 3.2 | 47 |
| 241 | Absorption and subcellular localization of lycopene in human prostate cancer cells. <i>Molecular Cancer Therapeutics</i> , 2006 , 5, 2879-85 | 6.1 | 47 |
| 240 | Increasing the throughput and productivity of Caco-2 cell permeability assays using liquid chromatography-mass spectrometry: application to resveratrol absorption and metabolism. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2003 , 6, 757-67 | 1.3 | 47 |
| 239 | In vitro metabolism of isoliquiritigenin by human liver microsomes. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 461-8 | 4 | 45 |
| 238 | New metabolic pathways for flavanones catalyzed by rat liver microsomes. <i>Drug Metabolism and Disposition</i> , 2004 , 32, 387-97 | 4 | 45 |
| 237 | High-Throughput Cytochrome P450 Cocktail Inhibition Assay for Assessing Drug-Drug and Drug-Botanical Interactions. <i>Drug Metabolism and Disposition</i> , 2015 , 43, 1670-8 | 4 | 44 |
| 236 | A liquid chromatography-mass spectrometry method for the quantification of bioavailability and bioconversion of beta-carotene to retinol in humans. <i>Analytical Chemistry</i> , 2000 , 72, 4999-5003 | 7.8 | 44 |
| 235 | Mechanism of inactivation of inducible nitric oxide synthase by amidines. Irreversible enzyme inactivation without inactivator modification. <i>Journal of the American Chemical Society</i> , 2005 , 127, 858-68 | 16.4 | 43 |
| 234 | Simultaneous determination of all-trans, 9-cis, 13-cis retinoic acid and retinol in rat prostate using liquid chromatography-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2001 , 36, 882-8 | 2.2 | 43 |
| 233 | Continuous-flow fast-atom-bombardment liquid chromatography/mass spectrometry of carotenoids. <i>Analytical Chemistry</i> , 1993 , 65, 965-969 | 7.8 | 42 |
| 232 | The role of quality assurance and standardization in the safety of botanical dietary supplements. <i>Chemical Research in Toxicology</i> , 2007 , 20, 577-82 | 4 | 41 |
| 231 | Binding of the hop (<i>Humulus lupulus</i> L.) chalcone xanthohumol to cytosolic proteins in Caco-2 intestinal epithelial cells. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 872-9 | 5.9 | 41 |
| 230 | Cimipronidine, a cyclic guanidine alkaloid from <i>Cimicifuga racemosa</i> . <i>Journal of Natural Products</i> , 2005 , 68, 1266-70 | 4.9 | 41 |
| 229 | Fast Atom Bombardment Tandem Mass Spectrometry of Carotenoids. <i>Journal of Agricultural and Food Chemistry</i> , 1995 , 43, 384-389 | 5.7 | 41 |
| 228 | Identification, synthesis, and biological evaluation of metabolites of the experimental cancer treatment drugs indotecan (LMP400) and indimitecan (LMP776) and investigation of isomerically hydroxylated indenoisoquinoline analogues as topoisomerase I poisons. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 10844-62 | 8.3 | 40 |
| 227 | Reaction of the Premarin Metabolite 4-Hydroxyequilenin Semiquinone Radical with 2-Deoxyguanosine: Formation of Unusual Cyclic Adducts. <i>Journal of the American Chemical Society</i> , 1997 , 119, 11126-11127 | 16.4 | 40 |

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| 226 | Formylated peptides from cyanogen bromide digests identified by fast atom bombardment mass spectrometry. <i>Analytical Biochemistry</i> , 1990 , 186, 116-20 | 3.1 | 40 |
| 225 | Binding ensemble profiling with photoaffinity labeling (BEProFL) approach: mapping the binding poses of HDAC8 inhibitors. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 7003-13 | 8.3 | 39 |
| 224 | Identification and Chemical Standardization of Licorice Raw Materials and Dietary Supplements Using UHPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8062-8070 | 5.7 | 38 |
| 223 | Ethiodized oil uptake does not predict doxorubicin drug delivery after chemoembolization in VX2 liver tumors. <i>Journal of Vascular and Interventional Radiology</i> , 2012 , 23, 265-73 | 2.4 | 38 |
| 222 | Redox cycling of catechol estrogens generating apurinic/aprimidinic sites and 8-oxo-deoxyguanosine via reactive oxygen species differentiates equine and human estrogens. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1365-73 | 4 | 38 |
| 221 | The emerging threat of superwarfarins: history, detection, mechanisms, and countermeasures. <i>Annals of the New York Academy of Sciences</i> , 2016 , 1374, 111-22 | 6.5 | 38 |
| 220 | Structural and functional consequences of inactivation of human glutathione S-transferase P1-1 mediated by the catechol metabolite of equine estrogens, 4-hydroxyequilenin. <i>Biochemistry</i> , 2001 , 40, 4811-20 | 3.2 | 37 |
| 219 | Food matrix effects on bioaccessibility of β -carotene can be measured in an in vitro gastrointestinal model. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 950-5 | 5.7 | 36 |
| 218 | Biotransformation of the chemopreventive agent 2,4,4'-trihydroxychalcone (isoliquiritigenin) by UDP-glucuronosyltransferases. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 2104-12 | 4 | 36 |
| 217 | Minor withanolides from <i>Physalis philadelphica</i> : structures, quinone reductase induction activities, and liquid chromatography (LC)-MS-MS investigation as artifacts. <i>Chemical and Pharmaceutical Bulletin</i> , 2003 , 51, 530-9 | 1.9 | 36 |
| 216 | Liquid chromatography/electrospray tandem mass spectrometry of terpenoid lactones in <i>Ginkgo biloba</i> . <i>Journal of Mass Spectrometry</i> , 2005 , 40, 373-9 | 2.2 | 36 |
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