

# Marica Orioli

## List of Publications by Year in descending order

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58  
papers

2,440  
citations

218677

26  
h-index

206112

48  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3196  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization of antioxidant properties of honey by a combination of spectrophotometric/fluorimetric assays and chemometrics. <i>Analytica Chimica Acta</i> , 2005, 533, 185-191.	5.4	454
2	The carbonyl scavenger carnosine ameliorates dyslipidaemia and renal function in Zucker obese rats. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1339-1354.	3.6	159
3	Mass spectrometric characterization of covalent modification of human serum albumin by 4-hydroxy-trans-2-nonenal. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1149-1161.	1.6	106
4	Antioxidant and Radical Scavenging Activity of Honey in Endothelial Cell Cultures (EA.hy926). <i>Planta Medica</i> , 2007, 73, 1182-1189.	1.3	84
5	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1411-1419.	2.9	76
6	Profiling histidine dipeptides in plasma and urine after ingesting beef, chicken or chicken broth in humans. <i>Amino Acids</i> , 2010, 38, 847-858.	2.7	75
7	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. <i>Free Radical Biology and Medicine</i> , 2012, 52, 1584-1596.	2.9	73
8	D-lysine carnosine octylester attenuates atherosclerosis and renal disease in ApoE null mice fed a Western diet through reduction of carbonyl stress and inflammation. <i>British Journal of Pharmacology</i> , 2012, 166, 1344-1356.	5.4	72
9	HNE Michael Adducts to Histidine and Histidine-Containing Peptides as Biomarkers of Lipid-Derived Carbonyl Stress in Urines: LC-ESI-MS/MS Profiling in Zucker Obese Rats. <i>Analytical Chemistry</i> , 2007, 79, 9174-9184.	6.5	71
10	LC-ESI-MS/MS determination of 4-hydroxy-trans-2-nonenal Michael adducts with cysteine and histidine-containing peptides as early markers of oxidative stress in excitable tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 827, 109-118.	2.3	69
11	Water-Soluble $\alpha,\beta$ -Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 349-364.	5.4	68
12	Protein modification by acrolein: Relevance to pathological conditions and inhibition by aldehyde sequestering agents. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1301-1319.	3.3	67
13	Profiling histidine-containing dipeptides in rat tissues by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1417-1428.	1.6	66
14	A tandem MS precursor ion scan approach to identify variable covalent modification of albumin Cys34: a new tool for studying vascular carbonylation. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1470-1481.	1.6	62
15	Design, Synthesis, and Evaluation of Acrylamide Derivatives as Direct NLRP3 Inflammasome Inhibitors. <i>ChemMedChem</i> , 2016, 11, 1790-1803.	3.2	62
16	Design, Synthesis, and Evaluation of Carnosine Derivatives as Selective and Efficient Sequestering Agents of Cytotoxic Reactive Carbonyl Species. <i>ChemMedChem</i> , 2009, 4, 967-975.	3.2	55
17	Coffee silver skin as a source of polyphenols: High resolution mass spectrometric profiling of components and antioxidant activity. <i>Journal of Functional Foods</i> , 2016, 20, 472-485.	3.4	53
18	Nitrosylhemoglobin, an unequivocal index of nitric oxide release from nitroaspirin: in vitro and in vivo studies in the rat by ESR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 509-518.	2.8	52

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19	Detoxification of 4-hydroxynonenal (HNE) in keratinocytes: characterization of conjugated metabolites by liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1160-1168.	1.6	46
20	Foam cell-derived 4-hydroxynonenal induces endothelial cell senescence in a TXNIP-dependent manner. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 1887-1899.	3.6	42
21	Determination of triclosan in personal health care products by liquid chromatography (HPLC). <i>Il Farmaco</i> , 2002, 57, 369-372.	0.9	39
22	Design, Synthesis, ADME Properties, and Pharmacological Activities of $\beta$ -Alanyl-D-histidine ( $\beta$ -Carnosine) Prodrugs with Improved Bioavailability. <i>ChemMedChem</i> , 2011, 6, 1269-1282.	3.2	39
23	Nitric oxide release and distribution following oral and intraperitoneal administration of nitroaspirin (NCX 4016) in the rat. <i>Life Sciences</i> , 2004, 74, 3291-3305.	4.3	37
24	In vitro metabolism of a nitroderivative of acetylsalicylic acid (NCX4016) by rat liver: LC and LC-MS studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 1061-1071.	2.8	36
25	Antioxidant and Photoprotective Activity of a Lipophilic Extract Containing Neolignans from <i>Krameria triandra</i> Roots. <i>Planta Medica</i> , 2002, 68, 193-197.	1.3	34
26	FL-026-16, a novel bioavailable carnosinase-resistant carnosine derivative, prevents onset and stops progression of diabetic nephropathy in db/db mice. <i>British Journal of Pharmacology</i> , 2018, 175, 53-66.	5.4	32
27	A novel single-step GC-MS/MS method for cannabinoids and 11-OH-THC metabolite analysis in hair. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 155, 1-6.	2.8	27
28	$\beta$ , $\gamma$ -Unsaturated aldehydes adducts to actin and albumin as potential biomarkers of carbonylation damage. <i>Redox Report</i> , 2007, 12, 20-25.	4.5	26
29	Chemiluminescence and LC-MS/MS analyses for the study of nitric oxide release and distribution following oral administration of nitroaspirin (NCX 4016) in healthy volunteers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 277-287.	2.8	25
30	Metabolic profile of NO-flurbiprofen (HCT1026) in rat brain and plasma: a LC-MS study. <i>Life Sciences</i> , 2002, 71, 1487-1500.	4.3	20
31	Assessment of Tryptophan, Tryptophan Ethylester, and Melatonin Derivatives in Red Wine by SPE-HPLC-FL and SPE-HPLC-MS Methods. <i>Foods</i> , 2019, 8, 99.	4.3	19
32	A sensitive and specific precursor ion scanning approach in liquid chromatography/electrospray ionization tandem mass spectrometry to detect methylprednisolone acetate and its metabolites in rat urine. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1583-1594.	1.5	18
33	Plasma carnosine, but not muscle carnosine, attenuates high-fat diet-induced metabolic stress. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 868-876.	1.9	18
34	Urinary profile of methylprednisolone acetate metabolites in patients following intra-articular and intramuscular administration. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 255-267.	3.7	17
35	Electron Paramagnetic Resonance (EPR) Spectroscopy: A Versatile and Powerful Tool in Pharmaceutical and Biomedical Analysis. <i>Current Pharmaceutical Analysis</i> , 2006, 2, 141-159.	0.6	16
36	An automated sample preparation approach for routine liquid chromatography tandem-mass spectrometry measurement of the alcohol biomarkers phosphatidylethanol 16:0/18:1, 16:0/16:0 and 18:1/18:1. <i>Journal of Chromatography A</i> , 2019, 1589, 1-9.	3.7	16

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37	Urine Endocannabinoids as Novel Non-Invasive Biomarkers for Bladder Cancer at Early Stage. <i>Cancers</i> , 2020, 12, 870.	3.7	16
38	A rapid and sensitive LC-ESI-MS/MS method for detection and quantitation of methylprednisolone and methylprednisolone acetate in rat plasma after intra-articular administration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 691-697.	2.8	15
39	Towards Secretome Standardization: Identifying Key Ingredients of MSC-Derived Therapeutic Cocktail. <i>Stem Cells International</i> , 2021, 2021, 1-13.	2.5	14
40	LC-MS/MS and FT-IR analyses of stones from a patient with Crohn's disease: a case report. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 1263-1272.	2.8	13
41	Nitrosylhemoglobin formation after infusion of NO solutions: ESR studies in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2004, 318, 405-414.	2.1	13
42	Albumin Cys34 adducted by acrolein as a marker of oxidative stress in ischemia-reperfusion injury during hepatectomy. <i>Free Radical Research</i> , 2016, 50, 831-839.	3.3	13
43	11-OH-THC in hair as marker of active cannabis consumption: Estimating a reliable cut-off by evaluation of 672 THC-positive hair samples. <i>Forensic Science International</i> , 2019, 304, 109951.	2.2	12
44	Potent Inhibitors against Newcastle Disease Virus Hemagglutinin-Neuraminidase. <i>ChemMedChem</i> , 2018, 13, 236-240.	3.2	11
45	Quantitative Characterization of Olaparib in Nanodelivery System and Target Cell Compartments by LC-MS/MS. <i>Molecules</i> , 2019, 24, 989.	3.8	11
46	Lactonization Method To Assign the Anomeric Configuration of the 3,4-Unsaturated Congeners of N-Acetylneuraminic Acid. <i>Journal of Organic Chemistry</i> , 2019, 84, 5460-5470.	3.2	11
47	Quantitative Lipidomic Analysis of Osteosarcoma Cell-Derived Products by UHPLC-MS/MS. <i>Biomolecules</i> , 2020, 10, 1302.	4.0	11
48	Bioactive Lipids in MSCs Biology: State of the Art and Role in Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1481.	4.1	11
49	Determination of lead and cadmium in titanium dioxide by differential pulse anodic stripping voltammetry. <i>Talanta</i> , 2002, 58, 481-488.	5.5	10
50	Production of melatonin and other tryptophan derivatives by <i>Oenococcus oeni</i> under winery and laboratory scale. <i>Food Microbiology</i> , 2020, 86, 103265.	4.2	10
51	An ofentanil-related death case: UHPLC-MS/MS analysis of the drug. <i>Drug Testing and Analysis</i> , 2019, 11, 173-177.	2.6	9
52	Analysis of hydroxy-cocaine metabolites as evidence of cocaine consumption: Identification by parent ion search and quantitation by UHPLC-MS/MS in hair. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 172, 167-174.	2.8	6
53	Determination of cannabinoids in hair: Indicators for illegal vs CBD-rich cannabis use. <i>Forensic Science International</i> , 2022, 333, 111237.	2.2	6
54	Lipidomics of Cell Secretome Combined with the Study of Selected Bioactive Lipids in an In Vitro Model of Osteoarthritis. <i>Stem Cells Translational Medicine</i> , 2022, 11, 959-970.	3.3	5

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55	Electron Spin Resonance and Chemiluminescence Analyses to Elucidate the Vasodilating Mechanism of Sodium Nitroprusside. <i>Molecular Pharmacology</i> , 2006, 70, 1672-1680.	2.3	4
56	PTCA (1-H-Pyrrole-2,3,5-Tricarboxylic Acid) as a Marker for Oxidative Hair Treatment: Distribution, Gender Aspects, Correlation with EtC and Self-Reports. <i>Journal of Analytical Toxicology</i> , 2021, 45, 513-520.	2.8	2
57	Nitrosylhemoglobin as a Potential Bioactive Storage form of Nitric Oxide (NO). <i>Veterinary Research Communications</i> , 2005, 29, 199-202.	1.6	1
58	Role of the Endothelium in the Biotransformation of Sodium Nitroprusside (SNP): In vivo and In vitro Study. <i>Veterinary Research Communications</i> , 2006, 30, 191-194.	1.6	1