Ivana Radojcic Redovnikovic

List of Publications by Citations

49 papers	2,731 citations	22 h-index	51 g-index
51 ext. papers	3,396 ext. citations	4.7 avg, IF	5.52 L-index

#	Paper	IF	Citations
49	A brief overview of the potential environmental hazards of ionic liquids. *Ecotoxicology and Environmental Safety*, **2014**, 99, 1-12	7	435
48	Evaluation of toxicity and biodegradability of choline chloride based deep eutectic solvents. *Ecotoxicology and Environmental Safety*, **2015**, 112, 46-53	7	333
47	Green extraction of grape skin phenolics by using deep eutectic solvents. *Food Chemistry*, **2016**, 200, 159-66	8.5	271
46	Green solvents for green technologies. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1631-1639	3.5	203
45	New perspective in extraction of plant biologically active compounds by green solvents. *Food and Bioproducts Processing*, **2018**, 109, 52-73	4.9	173
44	Natural deep eutectic solvents and ultrasound-assisted extraction: Green approaches for extraction of wine lees anthocyanins. *Food and Bioproducts Processing*, **2017**, 102, 195-203	4.9	172
43	Natural deep eutectic solvents as beneficial extractants for enhancement of plant extracts bioactivity. *LWT - Food Science and Technology*, **2016**, 73, 45-51	5.4	164
42	Imidiazolium based ionic liquids: effects of different anions and alkyl chains lengths on the barley seedlings. *Ecotoxicology and Environmental Safety*, **2014**, 101, 116-23	7	109
41	Enabling technologies for the extraction of grape-pomace anthocyanins using natural deep eutectic solvents in up-to-half-litre batches extraction of grape-pomace anthocyanins using NADES. *Food Chemistry*, **2019**, 300, 125185	8.5	71
40	Antimicrobial, cytotoxic and antioxidative evaluation of natural deep eutectic solvents. *Environmental Science and Pollution Research*, **2018**, 25, 14188-14196	5.1	70
39	Polyphenols, methylxanthines, and antioxidant capacity of chocolates produced in Serbia. *Journal of Food Composition and Analysis*, **2015**, 41, 137-143	4.1	60
38	Changes of phenolic compounds and antioxidant capacity in cocoa beans processing. *International Journal of Food Science and Technology*, **2011**, 46, 1793-1800	3.8	57
37	Poplar response to cadmium and lead soil contamination. *Ecotoxicology and Environmental Safety*, **2017**, 144, 482-489	7	53
36	Toxicity mechanisms of ionic liquids. *Arhiv Za Higijenu Rada I Toksikologiju*, **2017**, 68, 171-179	1.7	49
35	Ready-to-use green polyphenolic extracts from food by-products. *Food Chemistry*, **2019**, 283, 628-636	8.5	47
34	Baker's yeast-mediated asymmetric reduction of ethyl 3-oxobutanoate in deep eutectic solvents. *Process Biochemistry*, **2015**, 50, 1788-1792	4.8	43
33	Comparative in vitro study of cholinium-based ionic liquids and deep eutectic solvents toward fish cell line. *Ecotoxicology and Environmental Safety*, **2016**, 131, 30-6	7	38

32	Optimisation of microwave-assisted extraction of phenolic compounds from broccoli and its antioxidant activity. *International Journal of Food Science and Technology*, **2012**, 47, 2613-2619	3.8	34
31	Assessment of glucosinolates, antioxidative and antiproliferative activity of broccoli and collard extracts. *Journal of Food Composition and Analysis*, **2017**, 61, 59-66	4.1	31
30	Comparative analysis of phytochemicals and activity of endogenous enzymes associated with their stability, bioavailability and food quality in five Brassicaceae sprouts. *Food Chemistry*, **2018**, 269, 96-102	8.5	31
29	Physicochemical Properties, Cytotoxicity, and Antioxidative Activity of Natural Deep Eutectic Solvents Containing Organic Acid. *Chemical and Biochemical Engineering Quarterly*, **2019**, 33, 1-18	1.8	28
28	Deep Eutectic Solvents and Nonconventional Technologies for Blueberry-Peel Extraction: Kinetics, Anthocyanin Stability, and Antiproliferative Activity. *Antioxidants*, **2020**, 9,	7.1	23
27	Plant-mediated stereoselective biotransformations in natural deep eutectic solvents. *Process Biochemistry*, **2018**, 66, 133-139	4.8	20
26	Adaptive response of poplar (Populus nigra L.) after prolonged Cd exposure period. *Environmental Science and Pollution Research*, **2014**, 21, 3792-802	5.1	20
25	Extraction of Proanthocyanidins and Anthocyanins from Grape Skin by Using Ionic Liquids. *Food Technology and Biotechnology*, **2017**, 55, 429-437	2.1	20
24	Expression pattern of the glucosinolate side chain biosynthetic genes MAM1 and MAM3 of Arabidopsis thaliana in different organs and developmental stages. *Plant Physiology and Biochemistry*, **2012**, 53, 77-83	5.4	19
23	Balance of glucosinolates content under Cd stress in two Brassica species. *Plant Physiology and Biochemistry*, **2013**, 63, 99-106	5.4	19
22	Hempseed protein hydrolysates' effects on the proliferation and induced oxidative stress in normal and cancer cell lines. *Molecular Biology Reports*, **2019**, 46, 6079-6085	2.8	17
21	Plant-mediated asymmetric reduction of 1-(3,4-dimethylphenyl)ethanone. *Tetrahedron: Asymmetry*, **2017**, 28, 730-733		15
20	Designing a biocatalytic process involving deep eutectic solvents. *Journal of Chemical Technology and Biotechnology*, **2021**, 96, 14-30	3.5	15
19	Natural deep eutectic solvent as a unique solvent for valorisation of orange peel waste by the integrated biorefinery approach. *Waste Management*, **2021**, 120, 340-350	8.6	13
18	Development of continuously operated aqueous two-phase microextraction process using natural deep eutectic solvents. *Separation and Purification Technology*, **2020**, 244, 116746	8.3	11
17	Deep eutectic systems from betaine and polyols Physicochemical and toxicological properties. *Journal of Molecular Liquids*, **2021**, 335, 116201	6	11
16	Green asymmetric reduction of acetophenone derivatives: Saccharomyces cerevisiae and aqueous natural deep eutectic solvent. *Biotechnology Letters*, **2019**, 41, 253-262	3	10
15	Phytochemical and Bioactive Potential of in vivo and in vitro Grown Plants of Centaurea ragusina L. - Detection of DNA/RNA Active Compounds in Plant Extracts via Thermal Denaturation and Circular Dichroism. *Phytochemical Analysis*, **2017**, 28, 584-592	3.4	7

14	Biological activity and sensory evaluation of cocoa by-products NADES extracts used in food fortification. *Innovative Food Science and Emerging Technologies*, **2020**, 66, 102514	6.8	7
13	Chilling and Freezing Temperature Stress Differently Influence Glucosinolates Content in var.. *Plants*, **2021**, 10,	4.5	6
12	Impact of Deep Eutectic Solvents on Extraction of Polyphenols from Grape Seeds and Skin. *Applied Sciences (Switzerland)*, **2020**, 10, 4830	2.6	4
11	Development, Optimization, and Comparison of Different Sample Pre-Treatments for Simultaneous Determination of Vitamin E and Vitamin K in Vegetables. *Molecules*, **2020**, 25,	4.8	3
10	Influence of potassium fertilisation on the levels of phenolic compounds in sweet potato (Ipomoea batatas L.) leaves. *Journal of Horticultural Science and Biotechnology*, **2012**, 87, 47-51	1.9	3
9	Low-Phytotoxic Deep Eutectic Systems as Alternative Extraction Media for the Recovery of Chitin from Brown Crab Shells. *ACS Omega*, **2021**, 6, 28729-28741	3.9	3
8	Development of environmentally friendly lipase-catalysed kinetic resolution of (R,S)-1-phenylethyl acetate using aqueous natural deep eutectic solvents. *Process Biochemistry*, **2021**, 102, 1-9	4.8	3
7	COSMOtherm as an Effective Tool for Selection of Deep Eutectic Solvents Based Ready-To-Use Extracts from Graševina Grape Pomace. *Molecules*, **2021**, 26,	4.8	3
6	Low Temperatures Affect the Physiological Status and Phytochemical Content of Flat Leaf Kale (var.) Sprouts.. *Foods*, **2022**, 11,	4.9	2
5	Natural deep eutectic solvents are viable solvents for plant cell culture-assisted stereoselective biocatalysis. *Process Biochemistry*, **2020**, 93, 69-76	4.8	1
4	The analysis of acidic and basic non-steroidal anti-inflammatory drugs in milk and muscle samples: a comprehensive analytical approach using UHPLC-MS/MS. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2021**, 1-16	3.2	1
3	Enhancement of the Green Extraction of Bioactive Molecules from Olea europaea Leaves. *Separations*, **2022**, 9, 33	3.1	0
2	Application of Optimization and Modeling for the Composting Process Enhancement. *Processes*, **2022**, 10, 229	2.9	0
1	Voće i povrće kao biokatalizatori za dobivanje kiralnih spojeva. *Hrvatski časopis Za Prehrambenu Tehnologiju Biotehnologiju I Nutricionizam*, **2018**, 13, 70-77	0.2	