Marijana Å½ PetkoviÄ

List of Publications by Year
in descending order

79 papers	2,001 citations	361045 20 h-index	264894 42 g-index
81 all docs	81 docs citations	81 times ranked	2230 citing authors

#	Article	IF	Citations
1	Potential of MALDI TOF mass spectrometry for detection and quantification of corticosterone in the blood of loggerhead sea turtles. International Journal of Mass Spectrometry, 2022, 473, 116796.	0.7	0
2	Physico-chemical and mechanical properties of geopolymer/zircon composites. Science of Sintering, 2022, 54, 11-24.	0.5	1
3	Lipid Status of A2780 Ovarian Cancer Cells after Treatment with Ruthenium Complex Modified with Carbon Dot Nanocarriers: A Multimodal SR-FTIR Spectroscopy and MALDI TOF Mass Spectrometry Study. Cancers, 2022, 14, 1182.	1.7	6
4	Biochemical changes in cancer cells induced by photoactive nanosystem based on carbon dots loaded with Ru-complex. Chemico-Biological Interactions, 2022, 360, 109950.	1.7	4
5	S, N-doped carbon dots-based cisplatin delivery system in adenocarcinoma cells: Spectroscopical and computational approach. Journal of Colloid and Interface Science, 2022, 623, 226-237.	5.0	6
6	Detection of Ru potential metallodrug in human urine by MALDI-TOF mass spectrometry: Validation and options to enhance the sensitivity. Talanta, 2021, 222, 121551.	2.9	9
7	Analytical Platforms for the Determination of Phospholipid Turnover in Breast Cancer Tissue: Role of Phospholipase Activity in Breast Cancer Development. Metabolites, 2021, 11, 32.	1.3	5
8	Functional titanium dioxide nanoparticle conjugated with phthalocyanine and folic acid as a promising photosensitizer for targeted photodynamic therapy in vitro and in vivo. Journal of Photochemistry and Photobiology B: Biology, 2021, 215, 112122.	1.7	30
9	Chemically heterogeneous carbon dots enhanced cholesterol detection by MALDI TOF mass spectrometry. Journal of Colloid and Interface Science, 2021, 591, 373-383.	5.0	18
10	Bis(triazinyl)pyridine complexes of Pt(II) and Pd(II): studies of the nucleophilic substitution reactions, DNA/HSA interactions, molecular docking and biological activity. Journal of Biological Inorganic Chemistry, 2021, 26, 625-637.	1.1	8
11	Controlled killing of human cervical cancer cells by combined action of blue light and C-doped TiO2 nanoparticles. Photochemical and Photobiological Sciences, 2021, 20, 1087-1098.	1.6	3
12	Detection of Cadmium-related ions by MALDI TOF mass spectrometry correlates with physicochemical properties of Cadmium/matrix adducts. Polyhedron, 2021, 209, 115463.	1.0	0
13	Performances of ionic liquid matrices with butyl ammonium counterion for matrix-assisted laser desorption/ionization mass spectrometric detection and analysis of sucralfate. Journal of Carbohydrate Chemistry, 2020, 39, 1-23.	0.4	8
14	Increased plasma phosphatidylcholine/lysophosphatidylcholine ratios in patients with Parkinson's disease. Rapid Communications in Mass Spectrometry, 2020, 34, e8595.	0.7	19
15	SR-FTIR spectro-microscopic interaction study of biochemical changes in HeLa cells induced by Levan-C60, Pullulan-C60, and their cholesterol-derivatives. International Journal of Biological Macromolecules, 2020, 165, 2541-2549.	3.6	6
16	Lipid biosignature of breast cancer tissues by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Breast Cancer Research and Treatment, 2020, 182, 9-19.	1.1	9
17	Biocompatibility of TiO2 prolate nanospheroids as a potential photosenzitizer in therapy of cancer. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	5
18	Modification of electrodes with N-and S-doped carbon dots. Evaluation of the electrochemical response. Talanta, 2020, 212, 120806.	2.9	23

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19	The effect of the concentration of alkaline activator and aging time on the structure of metakaolin based geopolymer. Science of Sintering, 2020, 52, 219-229.	0.5	19
20	Synthesis, characterization, DFT study, DNA/BSA-binding affinity, and cytotoxicity of some dinuclear and trinuclear gold(III) complexes. Journal of Biological Inorganic Chemistry, 2019, 24, 1057-1076.	1.1	19
21	Positive and negative nano-electrospray mass spectrometry of ruthenated serum albumin supported by docking studies: an integrated approach towards defining metallodrug binding sites on proteins. Metallomics, 2018, 10, 587-594.	1.0	13
22	Prooxidantâ€“antioxidant balance, advanced oxidation protein products and lipid peroxidation in Serbian patients with Parkinson's disease. International Journal of Neuroscience, 2018, 128, 600-607.	0.8	16
23	Light controllable TiO2-Ru nanocomposite system encapsulated in phospholipid unilamellar vesicles for anti-cancer photodynamic therapy. Optical and Quantum Electronics, 2018, 50, 1.	1.5	2
24	Gold chloride cluster ions generated by vacuum laser ablation. Optical and Quantum Electronics, 2018, 50, 1.	1.5	1
25	Structure analysis of geopolymers synthesized from clay originated from Serbia. Environmental Earth Sciences, 2017, 76, 1.	1.3	19
26	Light controlled metallo-drug delivery system based on the TiO 2 -nanoparticles and Ru-complex. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 55-66.	2.0	15
27	The Profile and Antimicrobial Activity of Bacillus Lipopeptide Extracts of Five Potential Biocontrol Strains. Frontiers in Microbiology, 2017, 8, 925.	1.5	77
28	Determination of isotopic distribution of lead by a matrix assisted laser desorption/ionization versus a laser desorption/ionization time of flight mass spectrometry. Hemijska Industrija, 2017, 71, 19-26.	0.3	0
29	Experimental design for optimizing MALDI-TOF-MS analysis of palladium complexes. Hemijska Industrija, 2017, 71, 281-288.	0.3	0
30	Elucidation of the binding sites of two novel Ru(II) complexes on bovine serum albumin. Journal of Inorganic Biochemistry, 2016, 159, 89-95.	1.5	12
31	SALDI-TOF-MS analyses of small molecules (citric acid, dexasone, vitamins E and A) using TiO2 nanocrystals as substrates. Analytical and Bioanalytical Chemistry, 2016, 408, 7481-7490.	1.9	21
32	Biological activity and binding properties of [Ru(II)(dcbpy)2Cl2] complex to bovine serum albumin, phospholipase A2 and glutathione. BioMetals, 2016, 29, 921-933.	1.8	9
33	TiO₂ nanocrystals â€“ assisted laser desorption and ionization time-of-flight mass spectrometric analysis of steroid hormones, amino acids and saccharides. Validation and comparison of methods. RSC Advances, 2016, 6, 1027-1036.	1.7	13
34	Dependence of the quality of SALDI TOF MS analysis on the TiO2 nanocrystalsâ€™ size and shape. Optical and Quantum Electronics, 2016, 48, 1.	1.5	10
35	Testing the photo-sensitive nanocomposite system for potential controlled metallo-drug delivery. Optical and Quantum Electronics, 2016, 48, 1.	1.5	5
36	Interactions of nitrogen-donor bio-molecules with dinuclear platinum(II) complexes. Journal of Coordination Chemistry, 2015, 68, 3148-3163.	0.8	9

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37	Suitability of TiO2 nanoparticles and prolate nanospheroids for laser desorption/ionization mass spectrometric characterization of bipyridine-containing complexes. Materials Letters, 2015, 150, 84-88.	1.3	12
38	Kinetics and mechanism of substitution reactions of the new bimetallic [{PdCl(bipy)}{Î¼-(NH2(CH2)6H2N)}{PtCl(bipy)}]Cl(ClO4) complex with important bio-molecules. Polyhedron, 2015, 101, 206-214.	1.0	6
39	Gender Differences in the Expression and Cellular Localization of Lipin 1 in the Hearts of Fructoseâ€Fed Rats. Lipids, 2014, 49, 655-663.	0.7	7
40	Thermal denaturation of pepsin at acidic media: Using DSC, MALDI-TOF MS and PAGE techniques. Thermochimica Acta, 2013, 568, 165-170.	1.2	3
41	Interactions of Platinum and Ruthenium Coordination Complexes with Pancreatic Phospholipase A₂ and Phospholipids Investigated by MALDI TOF Mass Spectrometry. Chemistry and Biodiversity, 2013, 10, 1972-1986.	1.0	4
42	Inhibitory effect of cisplatin and [Pt(dach)Cl2] on the activity of phospholipase A2. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 651-660.	2.5	2
43	Sensitivity and Accuracy of Organic Matrix-Assisted Laser Desorption and Ionisation Mass Spectrometry of FeCl3 is Higher Than in in Matrix-Free Approach. European Journal of Mass Spectrometry, 2013, 19, 77-89.	0.5	1
44	Platinum (IV) Complexes, Inhibition of Porcine Pancreatic Phospholipase A2. , 2013, , 1698-1703.		0
45	The thermal stability of the external invertase isoforms from Saccharomyces cerevisiae correlates with the surface charge density. Biochimie, 2012, 94, 510-515.	1.3	13
46	Estradiol enhances effects of fructose rich diet on cardiac fatty acid transporter CD36 and triglycerides accumulation. European Journal of Pharmacology, 2012, 694, 127-134.	1.7	19
47	Colloidal TiO₂ nanoparticles as substrates for M(S)ALDI mass spectrometry of transition metal complexes. Rapid Communications in Mass Spectrometry, 2012, 26, 2041-2050.	0.7	19
48	Inhibitory effect of platinum and ruthenium bipyridyl complexes on porcine pancreatic phospholipase A2. Metallomics, 2011, 3, 1056.	1.0	10
49	FAB, ESI and MALDI Mass Spectrometric methods in the study of metallo-drugs and their biomolecular interactions. Metallomics, 2011, 3, 550.	1.0	16
50	Laser desorption and ionization time-of-flightversus matrix-assisted laser desorption and ionization time-of-flight mass spectrometry of Pt(ii) and Ru(iii) metal complexes. Analytical Methods, 2011, 3, 400-407.	1.3	16
51	Comparison of MALDI-TOF mass spectra of [PdCl(dien)]Cl and [Ru(en)2Cl2]Cl acquired with different matrices. Journal of the Serbian Chemical Society, 2011, 76, 1687-1701.	0.4	7
52	Flavonoids as matrices for MALDI-TOF mass spectrometric analysis of transition metal complexes. International Journal of Mass Spectrometry, 2010, 290, 39-46.	0.7	21
53	Application of flavonoids â€“ quercetin and rutin â€“ as new matrices for matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometric analysis of Pt(II) and Pd(II) complexes. Rapid Communications in Mass Spectrometry, 2009, 23, 1467-1475.	0.7	19
54	Mechanism of complex formation between [AuCl4]â^' and l-methionine. Polyhedron, 2009, 28, 593-599.	1.0	39

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55	Matrix-assisted laser desorption and ionisation time-of-flight mass spectrometry of Pt(II) and Pd(II) complexes. Polyhedron, 2009, 28, 2905-2912.	1.0	10
56	Detection of Adducts with Matrix Clusters in the Positive and Negative Ion Mode MALDI-TOF Mass Spectra of Phospholipids. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 331-334.	0.3	14
57	Interaction of the [PtCl₂(DMSO)₂] Complex with L-Cysteine. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 103-108.	0.6	10
58	Preparation of smallest microparticles of polyâ€<scp>D,L</scp>â€lactide by modified precipitation method: Influence of the process parameters. Microscopy Research and Technique, 2008, 71, 86-92.	1.2	9
59	Na+,K+-ATPase as the Target Enzyme for Organic and Inorganic Compounds. Sensors, 2008, 8, 8321-8360.	2.1	24
60	The suitability of different DHB isomers as matrices for the MALDI-TOF MS analysis of phospholipids: which isomer for what purpose?. European Biophysics Journal, 2007, 36, 517-527.	1.2	129
61	Destabilization of the acrosome results in release of phospholipase A2 from human spermatozoa and subsequent formation of lysophospholipids. Andrologia, 2006, 38, 69-75.	1.0	11
62	Comparison of Different Procedures for the Lipid Extraction from HL-60 Cells: A MALDI-TOF Mass Spectrometric Study. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2005, 60, 143-152.	0.6	23
63	Application of matrix-assisted laser desorption and ionization time-of-flight mass spectrometry for the characterization of the substrate specificity of neutrophil phospholipase A2. Microchemical Journal, 2005, 80, 31-37.	2.3	5
64	Analysis of enzymatically generated phosphoinositides by 31P nuclear magnetic resonance spectroscopy. Analytical Biochemistry, 2004, 330, 167-171.	1.1	25
65	Matrix-assisted laser desorption and ionization time-of-flight (MALDI-TOF) mass spectrometry in lipid and phospholipid research. Progress in Lipid Research, 2004, 43, 449-488.	5.3	342
66	Involvement of Phosphatidic Acid in both Degranulation and Oxidative Activity in fMet-Leu-Phe Stimulated Polymorphonuclear Leukocytes. Cellular Physiology and Biochemistry, 2003, 13, 165-172.	1.1	12
67	Effects of thermal stressing on saturated vegetable oils and isolated triacylglycerols - product analysis by MALDI-TOF mass spectrometry, NMR and IR spectroscopy. European Journal of Lipid Science and Technology, 2002, 104, 496-505.	1.0	27
68	Effects of lysophospholipids on the generation of reactive oxygen species by fMLP- and PMA-stimulated human neutrophils. Luminescence, 2002, 17, 141-149.	1.5	26
69	Thermal stressing of unsaturated vegetable oils: effects analysed by MALDI-TOF mass spectrometry, 1 H and 31 P NMR spectroscopy. European Food Research and Technology, 2002, 215, 282-286.	1.6	33
70	Application of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for monitoring the digestion of phosphatidylcholine by pancreatic phospholipase A2. Analytical Biochemistry, 2002, 308, 61-70.	1.1	50
71	Negative-ion matrix-assisted laser desorption and ionization time-of-flight mass spectra of complex phospholipid mixtures in the presence of phosphatidylcholine: a cautionary note on peak assignment. Analytical Biochemistry, 2002, 309, 311-314.	1.1	50
72	Investigations of the lysophospholipid composition of human neutrophils under different stimulation conditions by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. Journal of the Serbian Chemical Society, 2002, 67, 149-163.	0.4	5

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73	The photoprotein pholasin as a luminescence substrate for detection of superoxide anion radicals and myeloperoxidase activity in stimulated neutrophils. Free Radical Research, 2001, 35, 723-733.	1.5	24
74	Pancreatic Phospholipase A₂ - Mediated Enhancement of the Respiratory Burst Response of Human Neutrophils. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2001, 56, 1150-1156.	0.6	5
75	Cross -Reactivity of the V3-Specific Antibodies with the Human C1q. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2001, 56, 1135-1143.	0.6	4
76	The signal-to-noise ratio as the measure for the quantification of lysophospholipids by matrix-assisted laser desorption/ ionisation time-of-flight mass spectrometry. Analyst, The, 2001, 126, 1042-1050.	1.7	61
77	Detection of Individual Phospholipids in Lipid Mixtures by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry: Phosphatidylcholine Prevents the Detection of Further Species. Analytical Biochemistry, 2001, 289, 202-216.	1.1	300
78	CsCl as an auxiliary reagent for the analysis of phosphatidylcholine mixtures by matrix-assisted laser desorption and ionization time-of-flight mass spectrometry (MALDI-TOF MS). Chemistry and Physics of Lipids, 2001, 113, 123-131.	1.5	63
79	Limits for the detection of (poly-)phosphoinositides by matrix-assisted laser desorption and ionization time-of-flight mass spectrometry (MALDI-TOF MS). Chemistry and Physics of Lipids, 2001, 110, 151-164.	1.5	102