

Jose Luis Capelo Martinez

List of Publications by Year in descending order

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314
papers

7,706
citations

57719

44
h-index

102432

66
g-index

360
all docs

360
docs citations

360
times ranked

9658
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of quinolone action and resistance: where do we stand?. <i>Journal of Medical Microbiology</i> , 2017, 66, 551-559.	0.7	225
2	Light and colour as analytical detection tools: A journey into the periodic table using polyamines to bio-inspired systems as chemosensors. <i>Chemical Society Reviews</i> , 2010, 39, 2948.	18.7	193
3	Comparison of ultrasound-assisted extraction and microwave-assisted digestion for determination of magnesium, manganese and zinc in plant samples by flame atomic absorption spectrometry. <i>Talanta</i> , 2000, 53, 433-441.	2.9	167
4	Ultra Fast Trypsin Digestion of Proteins by High Intensity Focused Ultrasound. <i>Journal of Proteome Research</i> , 2005, 4, 1569-1574.	1.8	155
5	New toxic emerging contaminants: beyond the toxicological effects. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1-4.	2.7	138
6	Trends in ultrasonic-based equipment for analytical sample treatment. <i>Talanta</i> , 2007, 73, 795-802.	2.9	125
7	Revisiting the use of gold and silver functionalised nanoparticles as colorimetric and fluorometric chemosensors for metal ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 297-328.	4.0	123
8	An overview of the effective combination therapies for the treatment of breast cancer. <i>Biomaterials</i> , 2016, 97, 34-50.	5.7	117
9	Chromatographic-based methods for pesticide determination in honey: An overview. <i>Talanta</i> , 2007, 71, 503-514.	2.9	112
10	Enzymatic Probe Sonication: Enhancement of Protease-Catalyzed Hydrolysis of Selenium Bound to Proteins in Yeast. <i>Analytical Chemistry</i> , 2004, 76, 233-237.	3.2	108
11	Resveratrol Inhibits the Migration and Metastasis of MDA-MB-231 Human Breast Cancer by Reversing TGF- β 1-Induced Epithelial-Mesenchymal Transition. <i>Molecules</i> , 2019, 24, 1131.	1.7	94
12	Discussion of parameters associated with the ultrasonic solid-liquid extraction for elemental analysis (total content) by electrothermal atomic absorption spectrometry. An overview. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 225-232.	3.8	93
13	Overview on modern approaches to speed up protein identification workflows relying on enzymatic cleavage and mass spectrometry-based techniques. <i>Analytica Chimica Acta</i> , 2009, 650, 151-159.	2.6	93
14	Mass-Up: an all-in-one open software application for MALDI-TOF mass spectrometry knowledge discovery. <i>BMC Bioinformatics</i> , 2015, 16, 318.	1.2	86
15	Yinchenhao decoction suppresses rat liver fibrosis involved in an apoptosis regulation mechanism based on network pharmacology and transcriptomic analysis. <i>Biomedicine and Pharmacotherapy</i> , 2019, 114, 108863.	2.5	80
16	A Review of Synthetic Polymer Characterization by Pyrolysis-GC-MS. <i>Chromatographia</i> , 2009, 70, 339-348.	0.7	78
17	Ultrasonic-assisted matrix solid-phase dispersion as an improved methodology for the determination of pesticides in fruits. <i>Journal of Chromatography A</i> , 2008, 1212, 145-149.	1.8	76
18	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , 2018, 7, 9-52.	0.9	75

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19	Enzymatic digestion and ultrasonication: a powerful combination in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 654-663.	5.8	74
20	Micro-focused ultrasonic solid-liquid extraction (µFUSLE) combined with HPLC and fluorescence detection for PAHs determination in sediments: optimization and linking with the analytical minimalism concept. <i>Talanta</i> , 2005, 66, 1272-1280.	2.9	72
21	Trends in selenium determination/speciation by hyphenated techniques based on AAS or AFS. <i>Talanta</i> , 2006, 68, 1442-1447.	2.9	72
22	SHOX2 Is a Direct miR-375 Target and a Novel Epithelial-to-Mesenchymal Transition Inducer in Breast Cancer Cells. <i>Neoplasia</i> , 2014, 16, 279-290.e5.	2.3	72
23	Room Temperature Sonolysis-Based Advanced Oxidation Process for Degradation of Organomercurials: Application to Determination of Inorganic and Total Mercury in Waters by Flow Injection-Cold Vapor Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2000, 72, 4979-4984.	3.2	71
24	Cyclin-dependent kinase 2 is an ideal target for ovary tumors with elevated cyclin E1 expression. <i>Oncotarget</i> , 2015, 6, 20801-20812.	0.8	67
25	Ultrasound-assisted extraction of lead from solid samples: a new perspective on the slurry-based sample preparation methods for electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1221-1226.	1.6	61
26	Advances in Synergistic Combinations of Chinese Herbal Medicine for the Treatment of Cancer. <i>Current Cancer Drug Targets</i> , 2016, 16, 346-356.	0.8	61
27	Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. <i>Materials Science and Engineering C</i> , 2020, 106, 110104.	3.8	60
28	Sample treatment for protein identification by mass spectrometry-based techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 996-1005.	5.8	57
29	Ultrasonic assisted protein enzymatic digestion for fast protein identification by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1166, 101-107.	1.8	55
30	Synthesis, Spectroscopy Studies, and Theoretical Calculations of New Fluorescent Probes Based on Pyrazole Containing Porphyrins for Zn(II), Cd(II), and Hg(II) Optical Detection. <i>Inorganic Chemistry</i> , 2014, 53, 6149-6158.	1.9	55
31	Research advances in traditional Chinese medicine syndromes in cancer patients. <i>Journal of Integrative Medicine</i> , 2016, 14, 12-21.	1.4	55
32	Ultrasonic Extraction Followed by Sonolysis/Ozonolysis as a Sample Pretreatment Method for Determination of Reactive Arsenic toward Sodium Tetrahydroborate by Flow Injection-Hydride Generation AAS. <i>Analytical Chemistry</i> , 2001, 73, 3732-3736.	3.2	53
33	A comparison of depletion versus equalization for reducing high-abundance proteins in human serum. <i>Electrophoresis</i> , 2011, 32, 2966-2974.	1.3	52
34	Ultrasound-assisted extraction of cadmium from slurried biological samples for electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 1285-1290.	1.6	51
35	Advanced oxidation processes for sample treatment in atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 331-340.	5.8	51
36	Curcumin reduces mitomycin C resistance in breast cancer stem cells by regulating Bcl-2 family-mediated apoptosis. <i>Cancer Cell International</i> , 2017, 17, 84.	1.8	51

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37	Bioinspired Systems for Metal-Ion Sensing: New Emissive Peptide Probes Based on Benzo[<i>d</i>]oxazole Derivatives and Their Gold and Silica Nanoparticles. <i>Inorganic Chemistry</i> , 2011, 50, 8834-8849.	1.9	50
38	Gas chromatography mass spectrometry determination of acaricides from honey after a new fast ultrasonic-based solid phase micro-extraction sample treatment. <i>Talanta</i> , 2007, 71, 1906-1914.	2.9	49
39	Solid-liquid extraction of copper from slurried samples using high intensity probe sonication for electrothermal atomic absorption spectrometry. <i>Talanta</i> , 1999, 50, 905-911.	2.9	47
40	Exploring the Interaction of Mercury(II) by N2S2 and NS3 Anthracene-Containing Macrocyclic Ligands: Photophysical, Analytical, and Structural Studies. <i>Inorganic Chemistry</i> , 2007, 46, 7818-7826.	1.9	47
41	Latest developments in sample treatment for 18O-isotopic labeling for proteomics mass spectrometry-based approaches: A critical review. <i>Talanta</i> , 2010, 80, 1476-1486.	2.9	47
42	Ultrasonic-assisted enzymatic digestion (USAED) for total elemental determination and elemental speciation: A tutorial. <i>Talanta</i> , 2008, 75, 872-884.	2.9	46
43	Determination of cadmium and lead in mussels by electrothermal atomic absorption spectrometry using an ultrasound-assisted extraction method optimized by factorial design. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 363, 283-288.	1.5	45
44	Huangqi decoction alleviates dimethylnitrosamine-induced liver fibrosis: An analysis of bile acids metabolic mechanism. <i>Journal of Ethnopharmacology</i> , 2016, 189, 148-156.	2.0	45
45	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-2.	0.5	44
46	Hg ²⁺ Detection by New Anthracene Pendant-Arm Derivatives of Mixed N/S- and N/S/O-Donor Macrocycles: Fluorescence, Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Density Functional Theory Studies. <i>Inorganic Chemistry</i> , 2010, 49, 8276-8286.	1.9	43
47	Preventive and therapeutic role of Tanshinone A_{10} in hepatology. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108676.	2.5	43
48	Sequential Flow Injection Analysis System On-Line Coupled to High Intensity Focused Ultrasound: Green Methodology for Trace Analysis Applications As Demonstrated for the Determination of Inorganic and Total Mercury in Waters and Urine by Cold Vapor Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 2494-2499.	3.2	41
49	Sonoreactor-Based Technology for Fast High-Throughput Proteolytic Digestion of Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 909-912.	1.8	41
50	A network pharmacology approach to investigating the mechanism of Tanshinone IIA for the treatment of liver fibrosis. <i>Journal of Ethnopharmacology</i> , 2020, 253, 112689.	2.0	41
51	Systems biology approaches in the study of Chinese herbal formulae. <i>Chinese Medicine</i> , 2018, 13, 65.	1.6	40
52	Berberine and Evodiamine Act Synergistically Against Human Breast Cancer MCF-7 Cells by Inducing Cell Cycle Arrest and Apoptosis. <i>Anticancer Research</i> , 2017, 37, 6141-6151.	0.5	40
53	New rhodamine dimer probes for mercury detection via color changes and enhancement of the fluorescence emission: Fast recognition in cellulose supported devices. <i>Dyes and Pigments</i> , 2014, 101, 156-163.	2.0	38
54	Interaction of [V ^{IV} O(acac) ₂] with Human Serum Transferrin and Albumin. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2062-2084.	1.7	38

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55	Yinchenhao Decoction Alleviates Liver Fibrosis by Regulating Bile Acid Metabolism and TGF- β ² /Smad/ERK Signalling Pathway. <i>Scientific Reports</i> , 2018, 8, 15367.	1.6	38
56	A New 3,5-Bisporphyrinylpyridine Derivative as a Fluorescent Ratiometric Probe for Zinc Ions. <i>Chemistry - A European Journal</i> , 2014, 20, 6684-6692.	1.7	37
57	Sequential depletion of human serum for the search of osteoarthritis biomarkers. <i>Proteome Science</i> , 2012, 10, 55.	0.7	36
58	Evaluation of the binding of four anti-tumor CasiopeÃnasÂ® to human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 284-297.	1.5	36
59	Advanced oxidation processes for degradation of organomercurials: determination of inorganic and total mercury in urine by FI-CV-AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 414.	1.6	35
60	Determination of Cd and Pb in biological reference materials by electrothermal atomic absorption spectrometry: A comparison of three ultrasonic-based sample treatment procedures. <i>Talanta</i> , 2006, 68, 1156-1161.	2.9	35
61	New emissive dopamine derivatives as fluorescent chemosensors for metal ions: A CHEF effect for Al(III) interaction. <i>Inorganica Chimica Acta</i> , 2012, 381, 203-211.	1.2	35
62	LA-iMageS: a software for elemental distribution bioimaging using LA-ICP-MS data. <i>Journal of Cheminformatics</i> , 2016, 8, 65.	2.8	35
63	Optimization of pressurized liquid extraction (PLE) of dioxin-furans and dioxin-like PCBs from environmental samples. <i>Talanta</i> , 2008, 75, 916-925.	2.9	34
64	Metabolomic mechanisms of gypenoside against liver fibrosis in rats: An integrative analysis of proteomics and metabolomics data. <i>PLoS ONE</i> , 2017, 12, e0173598.	1.1	34
65	Tandem focused ultrasound (TFU) combined with fast furnace analysis as an improved methodology for total mercury determination in human urine by electrothermal-atomic absorption spectrometry. <i>Talanta</i> , 2004, 64, 217-223.	2.9	33
66	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009, 65, 6179-6188.	1.0	33
67	Novel Small Stable Gold Nanoparticles Bearing Fluorescent Cysteine-Coumarin Probes as New Metal-Modulated Chemosensors. <i>Inorganic Chemistry</i> , 2011, 50, 8797-8807.	1.9	33
68	Steady-State and Time-Resolved Investigations on Pyrene-Based Chemosensors. <i>Inorganic Chemistry</i> , 2013, 52, 121-129.	1.9	33
69	Resveratrol Enhances Inhibition Effects of Cisplatin on Cell Migration and Invasion and Tumor Growth in Breast Cancer MDA-MB-231 Cell Models In Vivo and In Vitro. <i>Molecules</i> , 2021, 26, 2204.	1.7	33
70	Ultrasonication for Analytical Chemistry. <i>Current Analytical Chemistry</i> , 2005, 1, 193-201.	0.6	33
71	Intramolecular excimer formation and sensing behavior of new fluorimetric probes and their interactions with metal cations and barbituric acids. <i>Sensors and Actuators B: Chemical</i> , 2006, 115, 276-286.	4.0	32
72	New findings for in-gel digestion accelerated by high-intensity focused ultrasound for protein identification by matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 291-299.	1.8	32

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73	Novel nanocomposites based on a strawberry-like gold-coated magnetite (Fe@Au) for protein separation in multiple myeloma serum samples. <i>Nano Research</i> , 2015, 8, 1189-1198.	5.8	32
74	Ocean warming alters cellular metabolism and induces mortality in fish early life stages: A proteomic approach. <i>Environmental Research</i> , 2016, 148, 164-176.	3.7	32
75	Isoliquiritigenin Inhibits Ovarian Cancer Metastasis by Reversing Epithelial-to-Mesenchymal Transition. <i>Molecules</i> , 2019, 24, 3725.	1.7	32
76	Sustainable synthesis of luminescent CdTe quantum dots coated with modified silica mesoporous nanoparticles: Towards new protein scavengers and smart drug delivery carriers. <i>Dyes and Pigments</i> , 2019, 161, 360-369.	2.0	32
77	Ultrasonic assisted enzymatic digestion (USAED) coupled with high performance liquid chromatography and electrothermal atomic absorption spectrometry as a powerful tool for total selenium and selenium species control in Se-enriched food supplements. <i>Food Chemistry</i> , 2010, 121, 268-274.	4.2	31
78	Genetic characterisation of antibiotic resistance and virulence factors in vanA-containing enterococci from cattle, sheep and pigs subsequent to the discontinuation of the use of avoparcin. <i>Veterinary Journal</i> , 2012, 193, 301-303.	0.6	31
79	Clonal Diversity of ESBL-Producing <i>Escherichia coli</i> in Pigs at Slaughter Level in Portugal. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 74-79.	0.8	31
80	Molecular Epidemiology of <i>Staphylococcus aureus</i> Lineages in Wild Animals in Europe: A Review. <i>Antibiotics</i> , 2020, 9, 122.	1.5	30
81	Evaluation of focused ultrasound and ozonolysis as sample treatment for direct determination of mercury by FI-CV-AAS. Optimization of parameters by full factorial design. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 98-106.	3.8	29
82	Turn-on selective vitamin B6 derivative fluorescent probe for histidine detection in biological samples. <i>Analyst</i> , 2013, 138, 3642.	1.7	29
83	Recent Advance in Applications of Proteomics Technologies on Traditional Chinese Medicine Research. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-13.	0.5	29
84	Use of MALDI-TOF mass spectrometry fingerprinting to characterize <i>Enterococcus</i> spp. and <i>Escherichia coli</i> isolates. <i>Journal of Proteomics</i> , 2015, 127, 321-331.	1.2	29
85	A seleno-pyrene selective probe for Hg ²⁺ detection in either aqueous or aprotic systems. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 311-318.	4.0	29
86	The effect of carbon source on the biological reduction of ionic mercury. <i>Journal of Hazardous Materials</i> , 2009, 165, 1040-1048.	6.5	28
87	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , 2012, 100, 239-245.	2.9	28
88	Improving Sample Treatment for In-Solution Protein Identification by Peptide Mass Fingerprint Using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2007, 6, 3393-3399.	1.8	27
89	Synthesis, characterization and spectroscopic studies of two new schiff-base bithienyl pendant-armed 15-crown-5 molecular probes. <i>Inorganic Chemistry Communication</i> , 2009, 12, 79-85.	1.8	27
90	Suppression of lung cancer progression by isoliquiritigenin through its metabolite 2, 4, 6-trihydroxy-4'-methoxy-Tetrahydroxychalcone. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 243.	3.5	27

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91	Biofilm Formation of Multidrug-Resistant MRSA Strains Isolated from Different Types of Human Infections. <i>Pathogens</i> , 2021, 10, 970.	1.2	27
92	Analysis of plasma metabolic profile, characteristics and enzymes in the progression from chronic hepatitis B to hepatocellular carcinoma. <i>Aging</i> , 2020, 12, 14949-14965.	1.4	27
93	Development of a fast and efficient ultrasonic-based strategy for DNA fragmentation. <i>Talanta</i> , 2010, 81, 881-886.	2.9	26
94	Actions of Huangqi decoction against rat liver fibrosis: a gene expression profiling analysis. <i>Chinese Medicine</i> , 2015, 10, 39.	1.6	26
95	Molecular Plasticity under Ocean Warming: Proteomics and Fitness Data Provides Clues for a Better Understanding of the Thermal Tolerance in Fish. <i>Frontiers in Physiology</i> , 2017, 8, 825.	1.3	26
96	New dual colorimetric/fluorimetric probes for Hg ²⁺ detection & extraction based on mesoporous SBA-16 nanoparticles containing porphyrin or rhodamine chromophores. <i>Dyes and Pigments</i> , 2019, 161, 427-437.	2.0	26
97	Sensing metal ions with two new azomethine-thiophene pincer ligands (NSN): Fluorescence and MALDI-TOF-MS applications. <i>Inorganic Chemistry Communication</i> , 2007, 10, 925-929.	1.8	25
98	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. <i>Talanta</i> , 2008, 77, 870-875.	2.9	25
99	A new tripodal poly-imine indole-containing ligand: Synthesis, complexation, spectroscopic and theoretical studies. <i>Inorganica Chimica Acta</i> , 2009, 362, 2627-2635.	1.2	25
100	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped Polymer Studies. <i>ChemPlusChem</i> , 2013, 78, 1230-1243.	1.3	25
101	Active Compounds Derived from Fuzheng Huayu Formula Protect Hepatic Parenchymal Cells from Apoptosis Based on Network Pharmacology and Transcriptomic Analysis. <i>Molecules</i> , 2019, 24, 338.	1.7	25
102	Enzymatic probe sonication as a tool for solid-liquid extraction for total selenium determination by electrothermal-atomic absorption spectrometry. <i>Talanta</i> , 2007, 74, 198-205.	2.9	24
103	New dinuclear nickel(ii) and iron(ii) complexes with a macrocyclic ligand containing a N6S2 donor-set: Synthesis, structural, MALDI-TOF-MS, magnetic and spectroscopic studies. <i>Dalton Transactions</i> , 2010, 39, 7673.	1.6	24
104	Proteomics analysis of the peritoneal dialysate effluent reveals the presence of calcium-regulation proteins and acute inflammatory response. <i>Clinical Proteomics</i> , 2014, 11, 17.	1.1	24
105	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , 2014, 45, 61-65.	1.8	24
106	Effect of vancomycin on the proteome of the multiresistant <i>Enterococcus faecium</i> SU18 strain. <i>Journal of Proteomics</i> , 2015, 113, 378-387.	1.2	24
107	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 211-221.	1.5	24
108	MIR-27a as a predictor for the activation of hepatic stellate cells and hepatitis B virus-induced liver cirrhosis. <i>Oncotarget</i> , 2018, 9, 1075-1090.	0.8	24

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109	Comparative study of matrices for their use in the rapid screening of anabolic steroids by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1783-1791.	0.7	23
110	Chinese herbal formula Fuzheng Huayu alleviates CCl4-induced liver fibrosis in rats: a transcriptomic and proteomic analysis. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 930-941.	2.8	23
111	Proteomic changes driven by urban pollution suggest particulate matter as a deregulator of energy metabolism, mitochondrial activity, and oxidative pathways in the rat brain. <i>Science of the Total Environment</i> , 2019, 687, 839-848.	3.9	23
112	Diversity and genetic lineages of environmental staphylococci: a surface water overview. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	23
113	Measuring transient water flow in unsaturated municipal solid waste – A new experimental approach. <i>Waste Management</i> , 2007, 27, 811-819.	3.7	22
114	Antibiotic resistance and mechanisms implicated in fecal enterococci recovered from pigs, cattle and sheep in a Portuguese slaughterhouse. <i>Annals of Microbiology</i> , 2012, 62, 1485-1494.	1.1	22
115	Laser ablation and inductively coupled plasma mass spectrometry focusing on bioimaging from elemental distribution using MatLab software: a practical guide. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 832-840.	1.6	22
116	High Efficacy of Ozonated Oils on the Removal of Biofilms Produced by Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) from Infected Diabetic Foot Ulcers. <i>Molecules</i> , 2020, 25, 3601.	1.7	22
117	Prevalence and Characteristics of Multidrug-Resistant Livestock-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> (LA-MRSA) CC398 Isolated from Quails (<i>Coturnix Coturnix Japonica</i>) Slaughtered for Human Consumption. <i>Animals</i> , 2021, 11, 2038.	1.0	22
118	Direct matrix assisted laser desorption ionization mass spectrometry-based analysis of wine as a powerful tool for classification purposes. <i>Talanta</i> , 2012, 91, 72-76.	2.9	21
119	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. <i>Dyes and Pigments</i> , 2014, 110, 152-158.	2.0	21
120	Preparation and ion recognition features of porphyrin-chalcone type compounds as efficient red-fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4772-4783.	2.7	21
121	Mercury determination by FI-CV-AAS after the degradation of organomercurials with the aid of an ultrasonic field: The important role of the hypochlorite ion. <i>Talanta</i> , 2006, 68, 813-818.	2.9	20
122	Influence of the Protein Staining in the Fast Ultrasonic Sample Treatment for Protein Identification through Peptide Mass Fingerprint and Matrix-Assisted Laser Desorption Ionization Time of Flight Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 2097-2106.	1.8	20
123	Toxicokinetics of Waterborne Trivalent Arsenic in the Freshwater Bivalve <i>Corbicula fluminea</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2009, 57, 338-347.	2.1	20
124	Synthesis, characterization, photophysical studies and interaction with DNA of a new family of Ru(II) furyl- and thienyl-imidazo-phenanthroline polypyridyl complexes. <i>Inorganica Chimica Acta</i> , 2012, 381, 95-103.	1.2	20
125	Advances in mesenchymal stem cells combined with traditional Chinese medicine therapy for liver fibrosis. <i>Journal of Integrative Medicine</i> , 2014, 12, 147-155.	1.4	20
126	High prevalence of antimicrobial-resistant <i>Escherichia coli</i> from animals at slaughter: a food safety risk. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 517-526.	1.7	19

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127	Synthesis of functionalized fluorescent silver nanoparticles and their toxicological effect in aquatic environments (Goldfish) and HEPG2 cells. <i>Frontiers in Chemistry</i> , 2013, 1, 29.	1.8	19
128	A metabolic mechanism analysis of Fuzheng-Huayu formula for improving liver cirrhosis with traditional Chinese medicine syndromes. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 942-951.	2.8	19
129	Ultrasonic-Based Filter Aided Sample Preparation as the General Method to Sample Preparation in Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 9164-9171.	3.2	19
130	Antimicrobial Resistance and Genetic Lineages of <i>Staphylococcus aureus</i> from Wild Rodents: First Report of mecC-Positive Methicillin-Resistant <i>S. aureus</i> (MRSA) in Portugal. <i>Animals</i> , 2021, 11, 1537.	1.0	19
131	Synthesis of Mesoporous Silica Coated Gold Nanorods Loaded with Methylene Blue and Its Potentials in Antibacterial Applications. <i>Nanomaterials</i> , 2021, 11, 1338.	1.9	19
132	Triple negative breast cancer development can be selectively suppressed by sustaining an elevated level of cellular cyclic AMP through simultaneously blocking its efflux and decomposition. <i>Oncotarget</i> , 2016, 7, 87232-87245.	0.8	19
133	Ozone treatment for mercury determination in white wines. <i>Talanta</i> , 2003, 61, 485-491.	2.9	18
134	Metallothionein responses in the Asiatic clam (<i>Corbicula fluminea</i>) after exposure to trivalent arsenic. <i>Biomarkers</i> , 2007, 12, 589-598.	0.9	18
135	Ultrasonic energy as a new tool for fast isotopic ¹⁸ O labeling of proteins for mass spectrometry-based techniques: Preliminary results. <i>Talanta</i> , 2008, 76, 400-406.	2.9	18
136	Improved ultrasonic-based sample treatment for the screening of anabolic steroids by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2375-2385.	0.7	18
137	A secretome-based methodology may provide a better characterization of the virulence of <i>Listeria monocytogenes</i> : Preliminary results. <i>Talanta</i> , 2010, 83, 457-463.	2.9	18
138	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome 2013. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014, 2014, 1-2.	0.5	18
139	New Synthesis of Gold and Silver Based Nano-Tetracycline Composites. <i>ChemistryOpen</i> , 2016, 5, 206-212.	0.9	18
140	A selective emissive chromogenic and fluorogenic seleno-coumarin probe for Cu ²⁺ detection in aprotic media. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1174-1181.	1.6	18
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