

# Jose Luis Capelo Martinez

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

315 papers	6,067 citations	39 h-index	58 g-index
360 ext. papers	6,931 ext. citations	4.9 avg, IF	5.94 L-index

#	Paper	IF	Citations
3 <sup>15</sup>	High Frequency of the EMRSA-15 Clone (ST22-MRSA-IV) in Hospital Wastewater.. <i>Microorganisms</i> , <b>2022</b> , 10,	4.9	3
3 <sup>14</sup>	Development of low-cost colourimetric and pH sensors based on PMMA@Cyanine polymers. <i>Dyes and Pigments</i> , <b>2022</b> , 110154	4.6	0
3 <sup>13</sup>	Polyallylamine assisted synthesis of 3D branched AuNPs with plasmon tunability in the vis-NIR region as refractive index sensitivity probes.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 611, 695-705	9.3	0
3 <sup>12</sup>	Development of Cyanine 813@Imidazole-Based Doped Supported Devices for Divalent Metal Ions Detection. <i>Chemosensors</i> , <b>2022</b> , 10, 80	4	0
3 <sup>11</sup>	Nocturnal Birds of Prey as Carriers of and Other Staphylococci: Diversity, Antimicrobial Resistance and Clonal Lineages.. <i>Antibiotics</i> , <b>2022</b> , 11,	4.9	5
3 <sup>10</sup>	A One Health Approach Molecular Analysis of Reveals Distinct Lineages in Isolates from Miranda Donkeys () and Their Handlers.. <i>Antibiotics</i> , <b>2022</b> , 11,	4.9	2
3 <sup>09</sup>	Multidrug-Resistant Methicillin-Resistant Coagulase-Negative Staphylococci in Healthy Poultry Slaughtered for Human Consumption.. <i>Antibiotics</i> , <b>2022</b> , 11,	4.9	5
3 <sup>08</sup>	Distribution and Clonal Diversity of and Other Staphylococci in Surface Waters: Detection of ST425-t742 and ST130-t843 C-Positive MRSA Strains. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	9
3 <sup>07</sup>	Development of a novel anti-liver fibrosis formula with luteolin, licochalcone A, aloe-emodin and acacetin by network pharmacology and transcriptomics analysis. <i>Pharmaceutical Biology</i> , <b>2021</b> , 59, 1594-1606	3.8	2
3 <sup>06</sup>	Therapeutic Effect and Mechanism of Bushen-Jianpi-Jiedu Decoction Combined with Chemotherapeutic Drugs on Postoperative Colorectal Cancer. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 524663	5.6	1
3 <sup>05</sup>	Anti-biofilm activity of dalbavancin against methicillin-resistant (MRSA) isolated from human bone infection. <i>Journal of Chemotherapy</i> , <b>2021</b> , 33, 469-475	2.3	4
3 <sup>04</sup>	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> , <b>2021</b> , 26,	4.8	7
3 <sup>03</sup>	Antimicrobial Resistance and Genetic Lineages of from Wild Rodents: First Report of C-Positive Methicillin-Resistant (MRSA) in Portugal. <i>Animals</i> , <b>2021</b> , 11,	3.1	12
3 <sup>02</sup>	Synthesis of Mesoporous Silica Coated Gold Nanorods Loaded with Methylene Blue and Its Potentials in Antibacterial Applications. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	8
3 <sup>01</sup>	Prevalence and Characteristics of Multidrug-Resistant Livestock-Associated Methicillin-Resistant (LA-MRSA) CC398 Isolated from Quails () Slaughtered for Human Consumption. <i>Animals</i> , <b>2021</b> , 11,	3.1	11
3 <sup>00</sup>	Multifunctional Porphyrin-based dyes for cations detection in solution and thermoresponsive low-cost materials. <i>Dyes and Pigments</i> , <b>2021</b> , 185, 108897	4.6	2
2 <sup>99</sup>	Water-soluble hollow nanocrystals from self-assembly of AIEE-active Pt(II) metallomesogens. <i>Nano Research</i> , <b>2021</b> , 14, 245-254	10	3

298	DNA Methylation and Transcription of HLA-F and Serum Cytokines Relate to Chinese Medicine Syndrome Classification in Patients with Chronic Hepatitis B. <i>Chinese Journal of Integrative Medicine</i> , <b>2021</b> , 1	2.9	2
297	Clonal Diversity and Antimicrobial Resistance of Methicillin-Resistant Isolated from Canine Pyoderma. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	7
296	Biofilm Formation of Multidrug-Resistant MRSA Strains Isolated from Different Types of Human Infections. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	7
295	Molecular Diversity of Methicillin-Resistant and -Susceptible <i>Staphylococcus aureus</i> Detected in Animals: A Focus on Aquatic Animals. <i>Diversity</i> , <b>2021</b> , 13, 417	2.5	1
294	Absolute quantitative proteomics using the total protein approach to identify novel clinical immunohistochemical markers in renal neoplasms. <i>BMC Medicine</i> , <b>2021</b> , 19, 196	11.4	1
293	Study and Preparation of Multifunctional Poly(L-Lysine)@Hyaluronic Acid Nanopolyplexes for the Effective Delivery of Tumor Suppressive MiR-34a into Triple-Negative Breast Cancer Cells. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
292	Efficacy of dalbavancin against MRSA biofilms in a rat model of orthopaedic implant-associated infection. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 2182-2187	5.1	8
291	Ultrasonic-Based Filter Aided Sample Preparation as the General Method to Sample Preparation in Proteomics. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9164-9171	7.8	7
290	Therapeutic potential of dalbavancin in a rat model of methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)-osteomyelitis. <i>International Journal of Antimicrobial Agents</i> , <b>2020</b> , 56, 106021	14.3	1
289	-Induced MiR-663a Alleviates Hepatic Stellate Cell Activation by Attenuating the TGF- $\beta$ /Smad Signaling Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2020</b> , 2020, 3156267	2.3	6
288	Molecular Epidemiology of Lineages in Wild Animals in Europe: A Review. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	17
287	Lights and colours: Science, Techniques and Surveillance for the Future - 4th IC3EM 2020, Caparica, Portugal. <i>Dyes and Pigments</i> , <b>2020</b> , 182, 108660	4.6	
286	Genetic Characterization of Methicillin-Resistant Isolates from Human Bloodstream Infections: Detection of MLS Resistance. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	8
285	A network pharmacology approach to investigating the mechanism of Tanshinone IIA for the treatment of liver fibrosis. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 253, 112689	5	21
284	Analysis of plasma metabolic profile, characteristics and enzymes in the progression from chronic hepatitis B to hepatocellular carcinoma. <i>Aging</i> , <b>2020</b> , 12, 14949-14965	5.6	8
283	Diversity of methicillin-resistant staphylococci among wild <i>Lepus granatensis</i> : first detection of <i>mecA</i> -MRSA in hares. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	13
282	Label-free quantitative mass spectrometry from formalin-fixed paraffin-embedded samples of nasopharyngeal carcinoma: Preliminary results from a non-endemic European cohort of patients. <i>Reports of Practical Oncology and Radiotherapy</i> , <b>2020</b> , 25, 746-753	1.5	1
281	High Efficacy of Ozonated Oils on the Removal of Biofilms Produced by Methicillin-Resistant (MRSA) from Infected Diabetic Foot Ulcers. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8

280	Diversity and genetic lineages of environmental staphylococci: a surface water overview. <i>FEMS Microbiology Ecology</i> , <b>2020</b> , 96,	4.3	8
279	Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. <i>Materials Science and Engineering C</i> , <b>2020</b> , 106, 110104	8.3	35
278	Livestock-Associated Methicillin-Resistant (MRSA) in Purulent Subcutaneous Lesions of Farm Rabbits. <i>Foods</i> , <b>2020</b> , 9,	4.9	6
277	Mechanisms of Action and of Resistance to Quinolones <b>2019</b> , 39-55		7
276	Identification of genomic loci associated with genotypic and phenotypic variation among <i>Pseudomonas aeruginosa</i> clinical isolates from pneumonia. <i>Microbial Pathogenesis</i> , <b>2019</b> , 136, 103702	3.8	0
275	Active Compounds Derived from Fuzheng Huayu Formula Protect Hepatic Parenchymal Cells from Apoptosis Based on Network Pharmacology and Transcriptomic Analysis. <i>Molecules</i> , <b>2019</b> , 24,	4.8	14
274	Snap-heated freeze-free preservation and processing of the urine proteome using the combination of stabilizer-based technology and filter aided sample preparation. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1076, 82-90	6.6	4
273	Development of a Robust Ultrasonic-Based Sample Treatment To Unravel the Proteome of OCT-Embedded Solid Tumor Biopsies. <i>Journal of Proteome Research</i> , <b>2019</b> , 18, 2979-2986	5.6	5
272	DNA Methylation and SNPs in VCX are Correlated with Sex Differences in the Response to Chronic Hepatitis B. <i>Virologica Sinica</i> , <b>2019</b> , 34, 489-500	6.4	1
271	Yinchenhao decoction suppresses rat liver fibrosis involved in an apoptosis regulation mechanism based on network pharmacology and transcriptomic analysis. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 114, 108863	7.5	48
270	Metabolic mechanisms of Fuzheng-Huayu formula against liver fibrosis in rats. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 238, 111888	5	5
269	Resveratrol Inhibits the Migration and Metastasis of MDA-MB-231 Human Breast Cancer by Reversing TGF- $\beta$ -Induced Epithelial-Mesenchymal Transition. <i>Molecules</i> , <b>2019</b> , 24,	4.8	48
268	Iron(II) as a Green Reducing Agent in Gold Nanoparticle Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8295-8302	8.3	10
267	Highly accessible aqueous synthesis of well-dispersed dendrimer type platinum nanoparticles and their catalytic applications. <i>Nano Research</i> , <b>2019</b> , 12, 1083-1092	10	8
266	Network Pharmacology-Based Study on the Mechanism of Bushen-Jianpi Decoction in Liver Cancer Treatment. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2019</b> , 2019, 3242989	2.3	6
265	Preventive and therapeutic role of Tanshinone IIA in hepatology. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 112, 108676	7.5	24
264	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> , <b>2019</b> , 687, 839-848	10.2	13
263	AR Mechanism-Based Drug Design <b>2019</b> , 275-309		

262	Effective Methods for Disinfection and Sterilization <b>2019</b> , 567-587		1
261	Isoliquiritigenin Inhibits Ovarian Cancer Metastasis by Reversing Epithelial-to-Mesenchymal Transition. <i>Molecules</i> , <b>2019</b> , 24,	4.8	20
260	Resistance to Aminoglycosides <b>2019</b> , 1-38		
259	Sources of Antibiotic Resistance <b>2019</b> , 211-238		4
258	Extended-Spectrum-β-Lactamase and Carbapenemase-Producing Enterobacteriaceae in Food-Producing Animals in Europe <b>2019</b> , 261-273		5
257	Antibiotics from Natural Sources <b>2019</b> , 311-341		2
256	Bacteriophage Proteins as Antimicrobials to Combat Antibiotic Resistance <b>2019</b> , 343-406		1
255	Antibiotic Modification Addressing Resistance <b>2019</b> , 407-428		
254	Sensitizing Agents to Restore Antibiotic Resistance <b>2019</b> , 429-452		1
253	Repurposing Antibiotics to Treat Resistant Gram-Negative Pathogens <b>2019</b> , 453-476		0
252	Nontraditional Medicines for Treatment of Antibiotic Resistance <b>2019</b> , 477-502		
251	Therapeutic Options for Treatment of Infections by Pathogenic Biofilms <b>2019</b> , 503-531		
250	Rapid Analytical Methods to Identify Antibiotic-Resistant Bacteria <b>2019</b> , 533-566		
249	Strategies to Prevent the Spread of Antibiotic Resistance <b>2019</b> , 589-635		1
248	Strategies to Reduce or Eliminate Resistant Pathogens in the Environment <b>2019</b> , 637-673		0
247	Beta-Lactams <b>2019</b> , 57-72		1
246	Glycopeptide Antibiotics <b>2019</b> , 73-95		4
245	Current Macrolide Antibiotics and Their Mechanisms of Action <b>2019</b> , 97-117		2

244	Impact of Key and Secondary Drug Resistance Mutations on Structure and Activity of $\beta$ -Lactamases <b>2019</b> , 119-140		1
243	Acquired Resistance from Gene Transfer <b>2019</b> , 141-165		
242	Antimicrobial Efflux Pumps <b>2019</b> , 167-179		1
241	Bacterial Persistence in Biofilms and Antibiotics <b>2019</b> , 181-210		1
240	Label-free protein quantification after ultrafast digestion of complex proteomes using ultrasonic energy and immobilized-trypsin magnetic nanoparticles. <i>Talanta</i> , <b>2019</b> , 196, 262-270	6.2	8
239	Insight into long noncoding competing endogenous RNA networks in hepatic fibrosis: The potential implications for mechanism and therapy. <i>Gene</i> , <b>2019</b> , 687, 255-260	3.8	10
238	New dual colorimetric/fluorimetric probes for Hg <sup>2+</sup> detection & extraction based on mesoporous SBA-16 nanoparticles containing porphyrin or rhodamine chromophores. <i>Dyes and Pigments</i> , <b>2019</b> , 161, 427-437	4.6	15
237	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> , <b>2019</b> , 161, 360-369	4.6	28
236	Exploring the Control in Antibacterial Activity of Silver Triangular Nanoplates by Surface Coating Modulation. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 677	5	3
235	Modulating the protein content of complex proteomes using acetonitrile. <i>Talanta</i> , <b>2018</b> , 182, 333-339	6.2	2
234	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , <b>2018</b> , 7, 3	2.3	7
233	Foreword ultrasonics 2016 special issue. <i>Ultrasonics</i> , <b>2018</b> , 83, 1-2	3.5	
232	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 180, 211-221	4.2	19
231	Plasma metabolic profiling on postoperative colorectal cancer patients with different traditional Chinese medicine syndromes. <i>Complementary Therapies in Medicine</i> , <b>2018</b> , 36, 14-19	3.5	7
230	Ultrasonic-based membrane aided sample preparation of urine proteomes. <i>Talanta</i> , <b>2018</b> , 178, 864-869	6.2	9
229	Toxicological Evaluation of Luminescent Silica Nanoparticles as New Drug Nanocarriers in Different Cancer Cell Lines. <i>Materials</i> , <b>2018</b> , 11,	3.5	10
228	Synthesis of Gold Functionalised Nanoparticles with the Eranthis hyemalis Lectin and Preliminary Toxicological Studies on <i>Caenorhabditis elegans</i> . <i>Materials</i> , <b>2018</b> , 11,	3.5	6
227	MiR-27a as a predictor for the activation of hepatic stellate cells and hepatitis B virus-induced liver cirrhosis. <i>Oncotarget</i> , <b>2018</b> , 9, 1075-1090	3.3	14

226	Bushen-Jianpi dedoction prolong survival of hepatocellular carcinoma patients involved in apoptosis induction of hepatoma cells by regulating PI3K-Akt-mTOR signal pathway. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO1-9-13	0	
225	Dithiothreitol-based protein equalization technology to unravel biomarkers for bladder cancer. <i>Talanta</i> , <b>2018</b> , 180, 36-46	6.2	3
224	S2P: A software tool to quickly carry out reproducible biomedical research projects involving 2D-gel and MALDI-TOF MS protein data. <i>Computer Methods and Programs in Biomedicine</i> , <b>2018</b> , 155, 1-9	6.9	4
223	Chinese herbal formula Fuzheng Huayu alleviates CCl-induced liver fibrosis in rats: a transcriptomic and proteomic analysis. <i>Acta Pharmacologica Sinica</i> , <b>2018</b> , 39, 930-941	8	18
222	A metabolic mechanism analysis of Fuzheng-Huayu formula for improving liver cirrhosis with traditional Chinese medicine syndromes. <i>Acta Pharmacologica Sinica</i> , <b>2018</b> , 39, 942-951	8	15
221	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , <b>2018</b> , 7, 9-52	2.3	44
220	Unparalleled sample treatment throughput for proteomics workflows relying on ultrasonic energy. <i>Talanta</i> , <b>2018</b> , 178, 1067-1076	6.2	5
219	Systems biology approaches in the study of Chinese herbal formulae. <i>Chinese Medicine</i> , <b>2018</b> , 13, 65	4.7	18
218	Engineered Nanostructured Materials for Ofloxacin Delivery. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 554	5	9
217	Suppression of lung cancer progression by isoliquiritigenin through its metabolite 2, 4, 2Q 4OTetrahydroxychalcone. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2018</b> , 37, 243	12.8	15
216	Yinchenhao Decoction Alleviates Liver Fibrosis by Regulating Bile Acid Metabolism and TGF- $\beta$ /Smad/ERK Signalling Pathway. <i>Scientific Reports</i> , <b>2018</b> , 8, 15367	4.9	16
215	Beyond the light and the colour: New materials for the future. Third International Caparica Congress on Chromogenic and Emissive Materials, 3rd IC3EM 2018. <i>Dyes and Pigments</i> , <b>2018</b> , 158, 463-464	4.6	1
214	A selective emissive chromogenic and fluorogenic seleno-coumarin probe for Cu detection in aprotic media. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 1174-1181	4.2	10
213	Wheat glutenin: the "tail" of the 1By protein subunits. <i>Journal of Proteomics</i> , <b>2017</b> , 169, 136-142	3.9	6
212	Comparative subproteomic analysis of clinically acquired fluoroquinolone resistance and ciprofloxacin stress in Salmonella Typhimurium DT104B. <i>Proteomics - Clinical Applications</i> , <b>2017</b> , 11, 1600-1607	3.1	6
211	An overview of epigenetics in Chinese medicine researches. <i>Chinese Journal of Integrative Medicine</i> , <b>2017</b> , 23, 714-720	2.9	10
210	Curcumin reduces mitomycin C resistance in breast cancer stem cells by regulating Bcl-2 family-mediated apoptosis. <i>Cancer Cell International</i> , <b>2017</b> , 17, 84	6.4	35
209	Synthesis and Characterization of PtTe Multi-Crystallite Nanoparticles using Organotellurium Nanocomposites. <i>Scientific Reports</i> , <b>2017</b> , 7, 9889	4.9	2



208	Subproteomic signature comparison of in vitro selected fluoroquinolone resistance and ciprofloxacin stress in Salmonella Typhimurium DT104B. <i>Expert Review of Proteomics</i> , <b>2017</b> , 14, 941-961	4.2	0
207	Evaluation of the binding of four anti-tumor Casiopeínas to human serum albumin. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 175, 284-297	4.2	22
206	An unusual emissive and colorimetric copper (II) detection by a selective probe based on a pseudo-crown cysteine dye: Solution and gas phase studies. <i>Inorganic Chemistry Communication</i> , <b>2017</b> , 86, 299-303	3.1	4
205	Interaction of [V O(acac) ] with Human Serum Transferrin and Albumin. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2062-2084	4.5	31
204	A seleno-pyrene selective probe for Hg 2+ detection in either aqueous or aprotic systems. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 311-318	8.5	24
203	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> , <b>2017</b> , 8, 825	4.6	11
202	Metabolomic mechanisms of gypenoside against liver fibrosis in rats: An integrative analysis of proteomics and metabolomics data. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173598	3.7	22
201	Berberine and Evodiamine Act Synergistically Against Human Breast Cancer MCF-7 Cells by Inducing Cell Cycle Arrest and Apoptosis. <i>Anticancer Research</i> , <b>2017</b> , 37, 6141-6151	2.3	32
200	Mechanisms of quinolone action and resistance: where do we stand?. <i>Journal of Medical Microbiology</i> , <b>2017</b> , 66, 551-559	3.2	136
199	A methodological approach based on gold-nanoparticles followed by matrix assisted laser desorption ionization time of flight mass spectrometry for the analysis of urine profiling of knee osteoarthritis. <i>Talanta</i> , <b>2016</b> , 150, 638-45	6.2	8
198	Proteomics for Drug Resistance on the Food Chain? Multidrug-Resistant Escherichia coli Proteomes from Slaughtered Pigs. <i>OMICS A Journal of Integrative Biology</i> , <b>2016</b> , 20, 362-74	3.8	9
197	A cost-effective method to get insight into the peritoneal dialysate effluent proteome. <i>Journal of Proteomics</i> , <b>2016</b> , 145, 207-213	3.9	14
196	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> , <b>2016</b> , 31, 832-840	3.7	20
195	The confidence of blue: A new highly selective bio-inspired coumarin emissive probe for fluoride recognition. <i>Dyes and Pigments</i> , <b>2016</b> , 135, 177-183	4.6	9
194	Research advances in traditional Chinese medicine syndromes in cancer patients. <i>Journal of Integrative Medicine</i> , <b>2016</b> , 14, 12-21	4	34
193	An unusual highly emissive water-soluble iridium lissamine-alanine complex and its use in a molecular logic gate. <i>Dalton Transactions</i> , <b>2016</b> , 45, 1254-8	4.3	3
192	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> , <b>2016</b> , 7, 87232-87245	3.3	16
191	Nanoparticles for Mass Spectrometry Applications <b>2016</b> , 1371-1396		



190	Advances in Synergistic Combinations of Chinese Herbal Medicine for the Treatment of Cancer. <i>Current Cancer Drug Targets</i> , <b>2016</b> , 16, 346-56	2.8	28
189	LA-iMageS: a software for elemental distribution bioimaging using LA-ICP-MS data. <i>Journal of Cheminformatics</i> , <b>2016</b> , 8, 65	8.6	29
188	New Synthesis of Gold- and Silver-Based Nano-Tetracycline Composites. <i>ChemistryOpen</i> , <b>2016</b> , 5, 169	2.3	2
187	Unraveling the Organotellurium Chemistry Applied to the Synthesis of Gold Nanomaterials. <i>ACS Omega</i> , <b>2016</b> , 1, 1314-1325	3.9	5
186	Ocean warming alters cellular metabolism and induces mortality in fish early life stages: A proteomic approach. <i>Environmental Research</i> , <b>2016</b> , 148, 164-176	7.9	23
185	Huangqi decoction alleviates dimethylnitrosamine-induced liver fibrosis: An analysis of bile acids metabolic mechanism. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 189, 148-56	5	30
184	The interaction of Hg(2+) and trivalent ions with two new fluorescein bio-inspired dual colorimetric/fluorimetric probes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 9513-22	4.3	14
183	Classifying patients in peritoneal dialysis by mass spectrometry-based profiling. <i>Talanta</i> , <b>2016</b> , 152, 364-70	7.0	11
182	Could transformation mechanisms of acetylase-harboring pMdT1 plasmid be evaluated through proteomic tools in Escherichia coli?. <i>Journal of Proteomics</i> , <b>2016</b> , 145, 103-111	3.9	
181	Impacts of experimentally induced and clinically acquired quinolone resistance on the membrane and intracellular subproteomes of Salmonella Typhimurium DT104B. <i>Journal of Proteomics</i> , <b>2016</b> , 145, 46-59	3.9	12
180	Porphyrin-rhodamine conjugates as new materials with sensing ability. <i>Dyes and Pigments</i> , <b>2016</b> , 135, 113-126	4.6	7
179	An overview of the effective combination therapies for the treatment of breast cancer. <i>Biomaterials</i> , <b>2016</b> , 97, 34-50	15.6	87
178	Proteomics strategies for bipolar disorder evaluation: From sample preparation to validation. <i>Journal of Proteomics</i> , <b>2016</b> , 145, 187-196	3.9	12
177	Combined proteomic and metallomic analyses in Scrobicularia plana clams to assess environmental pollution of estuarine ecosystems. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 113, 117-124	6.7	9
176	New Synthesis of Gold- and Silver-Based Nano-Tetracycline Composites. <i>ChemistryOpen</i> , <b>2016</b> , 5, 206-212	2.3	15
175	Novel nanocomposites based on a strawberry-like gold- coated magnetite (Fe@Au) for protein separation in multiple myeloma serum samples. <i>Nano Research</i> , <b>2015</b> , 8, 1189-1198	10	28
174	Nanoparticles for Mass Spectrometry Applications <b>2015</b> , 1-23		
173	Use of MALDI-TOF mass spectrometry fingerprinting to characterize Enterococcus spp. and Escherichia coli isolates. <i>Journal of Proteomics</i> , <b>2015</b> , 127, 321-31	3.9	26

172	Effect of vancomycin on the proteome of the multiresistant <i>Enterococcus faecium</i> SU18 strain. <i>Journal of Proteomics</i> , <b>2015</b> , 113, 378-87	3.9	20
171	Mass-Up: an all-in-one open software application for MALDI-TOF mass spectrometry knowledge discovery. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 318	3.6	68
170	Serum cytokine profiling analysis for zheng differentiation in chronic hepatitis B. <i>Chinese Medicine</i> , <b>2015</b> , 10, 24	4.7	8
169	Complement C4a inhibits the secretion of hepatitis B virus screened by surface-enhanced laser desorption ionization time-flight mass spectrometry-based ProteinChip analysis. <i>Proteomics - Clinical Applications</i> , <b>2015</b> , 9, 1097-104	3.1	3
168	Recent Advance in Applications of Proteomics Technologies on Traditional Chinese Medicine Research. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2015</b> , 2015, 983139	2.3	19
167	Curative Effects of Fuzheng Huayu on Liver Fibrosis and Cirrhosis: A Meta-Analysis. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2015</b> , 2015, 125659	2.3	10
166	Untangling interactions of a zinc(II) complex containing a coumarin-porphyrin unit with alkaloids in water solutions: a photophysical study. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 757-64	4.2	8
165	Actions of Huangqi decoction against rat liver fibrosis: a gene expression profiling analysis. <i>Chinese Medicine</i> , <b>2015</b> , 10, 39	4.7	20
164	Revisiting the use of gold and silver functionalised nanoparticles as colorimetric and fluorometric chemosensors for metal ions. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 297-328	8.5	104
163	Cyclin-dependent kinase 2 is an ideal target for ovary tumors with elevated cyclin E1 expression. <i>Oncotarget</i> , <b>2015</b> , 6, 20801-12	3.3	50
162	New-coated fluorescent silver nanoparticles with a fluorescein thiol ester derivative: fluorescent enhancement upon interaction with heavy metal ions. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	13
161	A journey through PROTEOSONICS. <i>Talanta</i> , <b>2014</b> , 121, 71-80	6.2	8
160	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. <i>Dyes and Pigments</i> , <b>2014</b> , 110, 152-158	4.6	18
159	Preparation and ion recognition features of porphyrin-halcone type compounds as efficient red-fluorescent materials. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4772-4783	7.1	19
158	A new 3,5-bisporphyrinylpyridine derivative as a fluorescent ratiometric probe for zinc ions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6684-92	4.8	34
157	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> , <b>2014</b> , 101, 156-163	4.6	36
156	Rhodamine-Appended Bipyridine: XOR and OR Logic Operations Integrated in an Example of Controlled Metal Migration. <i>ChemistryOpen</i> , <b>2014</b> , 3, 190-8	2.3	6
155	A mesofluidic platform integrating on-chip probe ultrasonication for multiple sample pretreatment involving denaturation, reduction, and digestion in protein identification assays by mass spectrometry. <i>Analyst, The</i> , <b>2014</b> , 139, 992-5	5	3

154	Bioinspired Functionalized Nanoparticles as Tools for Detection, Quantification and Targeting of Biomolecules <b>2014</b> , 391-424		
153	Advances in mesenchymal stem cells combined with traditional Chinese medicine therapy for liver fibrosis. <i>Journal of Integrative Medicine</i> , <b>2014</b> , 12, 147-55	4	20
152	Proteomics analysis of the peritoneal dialysate effluent reveals the presence of calcium-regulation proteins and acute inflammatory response. <i>Clinical Proteomics</i> , <b>2014</b> , 11, 17	5	21
151	A comprehensive factorial design study of variables affecting protein extraction from formalin-fixed kidney tissue samples. <i>Talanta</i> , <b>2014</b> , 119, 90-7	6.2	12
150	A novel quinoline molecular probe and the derived functionalized gold nanoparticles: sensing properties and cytotoxicity studies in MCF-7 human breast cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 137, 115-22	4.2	12
149	Sequential depletion coupled to C18 sequential extraction as a rapid tool for human serum multiple profiling. <i>Talanta</i> , <b>2014</b> , 125, 189-95	6.2	7
148	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> , <b>2014</b> , 53, 6149-58	5.1	50
147	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , <b>2014</b> , 45, 61-65	3.1	20
146	Synergistic effect of combinatorial treatment with curcumin and mitomycin C on the induction of apoptosis of breast cancer cells: a cDNA microarray analysis. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 16284-301	6.3	11
145	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome 2013. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2014</b> , 2014, 484201	2.3	15
144	Complete proteome of a quinolone-resistant Salmonella Typhimurium phage type DT104B clinical strain. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 14191-219	6.3	12
143	Study of ZHENG differentiation in hepatitis B-caused cirrhosis: a transcriptional profiling analysis. <i>BMC Complementary and Alternative Medicine</i> , <b>2014</b> , 14, 371	4.7	12
142	SHOX2 is a direct miR-375 target and a novel epithelial-to-mesenchymal transition inducer in breast cancer cells. <i>Neoplasia</i> , <b>2014</b> , 16, 279-90.e1-5	6.4	63
141	High prevalence of antimicrobial-resistant Escherichia coli from animals at slaughter: a food safety risk. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 517-26	4.3	13
140	1D chain fluorescein-functionalized gold and silver nanoparticles as new optical mercury chemosensor in aqueous media. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	17
139	Bis(o-methylserotonin)-containing iridium(III) and ruthenium(II) complexes as new cellular imaging dyes: synthesis, applications, and photophysical and computational studies. <i>Journal of Biological Inorganic Chemistry</i> , <b>2013</b> , 18, 679-92	3.7	8
138	Mass spectrometry-based fingerprinting of proteins & peptides in wine quality control: a critical overview. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2013</b> , 53, 751-9	11.5	9
137	Toxicity study of new metal nanoparticles functionalized with fluorescein derivatives as novel image systems. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 25-26	0.5	2

136	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped-Polymer Studies. <i>ChemPlusChem</i> , <b>2013</b> , 78, 1230-1243	2.8	21
135	Polyamine ligand-mediated self-assembly of gold and silver nanoparticles into chainlike structures in aqueous solution: towards new nanostructured chemosensors. <i>ChemistryOpen</i> , <b>2013</b> , 2, 166	2.3	
134	Speeding up the screening of steroids in urine: development of a user-friendly library. <i>Steroids</i> , <b>2013</b> , 78, 1226-32	2.8	8
133	Polyamine ligand-mediated self-assembly of gold and silver nanoparticles into chainlike structures in aqueous solution: towards new nanostructured chemosensors. <i>ChemistryOpen</i> , <b>2013</b> , 2, 200-7	2.3	12
132	Turn-on selective vitamin B6 derivative fluorescent probe for histidine detection in biological samples. <i>Analyst, The</i> , <b>2013</b> , 138, 3642-5	5	27
131	First report of CTX-M producing <i>Escherichia coli</i> , including the new ST2526, isolated from beef cattle and sheep in Portugal. <i>Food Control</i> , <b>2013</b> , 31, 208-210	6.2	9
130	Fast nucleotide identification through fingerprinting using gold nanoparticle-based surface-assisted laser desorption/ionisation. <i>Talanta</i> , <b>2013</b> , 105, 417-21	6.2	6
129	An assessment of the indirect high intensity ultrasonic assisted cleavage of complex proteomes with immobilized trypsin. <i>Talanta</i> , <b>2013</b> , 106, 163-8	6.2	4
128	Non-toxic fluorescent alaninefluorescein probe with green emission for dual colorimetric/fluorimetric sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 269, 17-26	4.7	15
127	On-target ultrasonic digestion of proteins. <i>Proteomics</i> , <b>2013</b> , 13, 1423-7	4.8	13
126	A new approach to bacterial colony morphotyping by matrix-assisted laser desorption ionization time of flight-based mass spectrometry. <i>Talanta</i> , <b>2013</b> , 116, 100-7	6.2	3
125	Clonal diversity of ESBL-producing <i>Escherichia coli</i> in pigs at slaughter level in Portugal. <i>Foodborne Pathogens and Disease</i> , <b>2013</b> , 10, 74-9	3.8	26
124	Steady-state and time-resolved investigations on pyrene-based chemosensors. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 121-9	5.1	32
123	Establishment of an Experimental Breast Cancer ZHENG Model and Curative Effect Evaluation of Zuo-Jin Wan. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 324732	2.3	8
122	Ginsenoside rb1 reduces isoproterenol-induced cardiomyocytes apoptosis in vitro and in vivo. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2013</b> , 2013, 454389	2.3	10
121	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped-Polymer Studies. <i>ChemPlusChem</i> , <b>2013</b> , 78, 1210	2.8	1
120	Sea warming affects bream ( <i>Sparus aurata</i> ) tissues and stress proteins (HSP70). <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 83-84	0.5	6
119	Synthesis of functionalized fluorescent silver nanoparticles and their toxicological effect in aquatic environments (Goldfish) and HEPG2 cells. <i>Frontiers in Chemistry</i> , <b>2013</b> , 1, 29	5	12

118	Unravelling the role of ultrasonic energy in the enhancement of enzymatic kinetics. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 74, 9-15		15
117	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> , <b>2012</b> , 193, 301-3	2.5	24
116	Antibiotic resistance and mechanisms implicated in fecal enterococci recovered from pigs, cattle and sheep in a Portuguese slaughterhouse. <i>Annals of Microbiology</i> , <b>2012</b> , 62, 1485-1494	3.2	10
115	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , <b>2012</b> , 100, 239-45	6.2	27
114	Direct matrix assisted laser desorption ionization mass spectrometry-based analysis of wine as a powerful tool for classification purposes. <i>Talanta</i> , <b>2012</b> , 91, 72-6	6.2	19
113	Probe-based chemical modulations of tissues for IMS. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4921-4930	3.9	3
112	Sequential depletion of human serum for the search of osteoarthritis biomarkers. <i>Proteome Science</i> , <b>2012</b> , 10, 55	2.6	33
111	Novel emissive bio-inspired non-proteinogenic coumarin-alanine amino acid: fluorescent probe for polyfunctional systems. <i>Amino Acids</i> , <b>2012</b> , 43, 1779-90	3.5	10
110	Matrix-assisted laser desorption/ionisation time of flight spectrometry for the fast screening of oxosteroids using aromatic hydrated hydrazines as versatile probes. <i>Talanta</i> , <b>2012</b> , 100, 262-9	6.2	6
109	Isotopic labelling of peptides in tissues enhances mass spectrometric profiling. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 254-62	2.2	5
108	Fluorescence spectroscopy: From single chemosensors to nanoparticles science. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 381, 1	2.7	
107	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> , <b>2012</b> , 381, 95-103	2.7	20
106	New emissive dopamine derivatives as fluorescent chemosensors for metal ions: A CHEF effect for Al(III) interaction. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 381, 203-211	2.7	32
105	Novel emissive podands based on 8-OH-quinoline: Synthesis, fluorescence materials, DFT and complexation studies. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 381, 218-228	2.7	11
104	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , <b>2012</b> , 2012, 246538	2.3	27
103	N1-(Benzo[b]thiophen-3-ylmethylidene)-N2-(2-((2-((benzo[b]thiophen-3-ylmethylidene)amino)ethyl)amino)ethyl)amine. <i>MolBank</i> , <b>2012</b> , 2012, M768	0.5	2
102	N1-Benzylidene-N2-(2-((2-((benzylideneamino)ethyl)amino)ethyl)amino)ethyl)ethane-1,2-diamine. <i>MolBank</i> , <b>2012</b> , 2012, M779	0.5	
101	N1-((1H-Indazol-5-yl)methylene)-N2-(2-((2-((1H-indazol-6-yl)methylene)amino)ethyl)amino)ethyl)amino)ethyl)ethane-1,2-diamine. <i>MolBank</i> , <b>2012</b> , 2012, M770	0.5	

100	Bioinspired systems for metal-ion sensing: new emissive peptide probes based on benzo[d]oxazole derivatives and their gold and silica nanoparticles. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 8834-49	5.1	45
99	Determination of trace and major elemental profiles in street dust samples by fast miniaturized ultrasonic probe extraction and ICP-MS. <i>Talanta</i> , <b>2011</b> , 84, 840-5	6.2	12
98	Ultrasonic energy as a tool to overcome some drawbacks in the determination of lead in brain tissue and urine of rats. <i>Talanta</i> , <b>2011</b> , 86, 442-6	6.2	5
97	Novel small stable gold nanoparticles bearing fluorescent cysteine-coumarin probes as new metal-modulated chemosensors. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 8797-807	5.1	31
96	Accelerated sample treatment for screening of banned doping substances by GC-MS: ultrasonication versus microwave energy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 861-75	4.4	14
95	Novel versatile imine-amine chemosensor based on 6-nitro-4-oxo-4H-chromene for ion detection in solution, solid and gas-phase: synthesis, emission, computational and MALDI-TOF-MS studies. <i>Tetrahedron</i> , <b>2011</b> , 67, 326-333	2.4	12
94	An assessment of the ultrasonic probe-based enhancement of protein cleavage with immobilized trypsin. <i>Proteomics</i> , <b>2011</b> , 11, 3866-76	4.8	15
93	Ultrasonic-based protein quantitation by (18) O-labeling: optimization and comparison between different procedures. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 75-87	2.2	5
92	A comparison of depletion versus equalization for reducing high-abundance proteins in human serum. <i>Electrophoresis</i> , <b>2011</b> , 32, 2966-74	3.6	48
91	Synthesis and photophysical studies of two luminescent chemosensors based on catechol and 8-Hydroxyquinoline chromophores, and their complexes with group 13 metal ions. <i>Inorganic Chemistry Communication</i> , <b>2011</b> , 14, 831-835	3.1	14
90	Building Proteomics Applications with the AIBench Application Framework. <i>Advances in Intelligent and Soft Computing</i> , <b>2011</b> , 99-107		2
89	2-((Pyren-1-ylmethylamino)methyl)quinolin-8-ol. <i>MolBank</i> , <b>2010</b> , 2010, M698	0.5	
88	2,2'-(2,2'-oxybis(ethane-2,1-diyl)bis(oxy))bis(N-(2,2'-bithiophen-5-ylmethylene)aniline). <i>MolBank</i> , <b>2010</b> , 2010, M683	0.5	1
87	Latest developments in sample treatment for 18O-isotopic labeling for proteomics mass spectrometry-based approaches: a critical review. <i>Talanta</i> , <b>2010</b> , 80, 1476-86	6.2	40
86	Ultrasonic multiprobe as a new tool to overcome the bottleneck of throughput in workflows for protein identification relaying on ultrasonic energy. <i>Talanta</i> , <b>2010</b> , 81, 55-62	6.2	7
85	Development of a fast and efficient ultrasonic-based strategy for DNA fragmentation. <i>Talanta</i> , <b>2010</b> , 81, 881-6	6.2	17
84	Indirect ultrasonication for protein quantification and peptide mass mapping through mass spectrometry-based techniques. <i>Talanta</i> , <b>2010</b> , 82, 587-93	6.2	5
83	Decision peptide-driven: a free software tool for accurate protein quantification using gel electrophoresis and matrix assisted laser desorption ionization time of flight mass spectrometry. <i>Talanta</i> , <b>2010</b> , 82, 1412-20	6.2	10



82	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> , <b>2010</b> , 39, 2948-76	58.5	179
81	A secretome-based methodology may provide a better characterization of the virulence of <i>Listeria monocytogenes</i> : preliminary results. <i>Talanta</i> , <b>2010</b> , 83, 457-63	6.2	17
80	Hg <sup>2+</sup> 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> , <b>2010</b> , 49, 8276-86	5.1	39
79	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> , <b>2010</b> , 39, 7673-83	4.3	24
78	Structural, MALDI-TOF-MS, magnetic and spectroscopic studies of new dinuclear copper(II), cobalt(II) and zinc(II) complexes containing a biomimicking EDH bridge. <i>Dalton Transactions</i> , <b>2010</b> , 39, 11654-63	4.3	15
77	Comparative study between probe focussed sonication and conventional stirring in the evaluation of cadmium and copper in plants. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 2315-24	4.4	9
76	A novel (18)O inverse labeling-based workflow for accurate bottom-up mass spectrometry quantification of proteins separated by gel electrophoresis. <i>Electrophoresis</i> , <b>2010</b> , 31, 3407-19	3.6	9
75	Analytical proteomics: an emerging field?. <i>Journal of Proteomics</i> , <b>2010</b> , 73, 1411-4	3.9	4
74	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> , <b>2010</b> , 121, 268-274	8.5	26
73	Improved ultrasonic-based sample treatment for the screening of anabolic steroids by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 2375-85	2.2	15
72	Multi-agent System for Mass Spectrometry Analysis. <i>Advances in Intelligent and Soft Computing</i> , <b>2010</b> , 87-95		
71	Toxicokinetics of waterborne trivalent arsenic in the freshwater bivalve <i>Corbicula fluminea</i> . <i>Archives of Environmental Contamination and Toxicology</i> , <b>2009</b> , 57, 338-47	3.2	16
70	Can ultrasonic energy efficiently speed (18)O-labeling of proteins?. <i>Proteomics</i> , <b>2009</b> , 9, 4974-7	4.8	7
69	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> , <b>2009</b> , 23, 1783-91	2.2	20
68	A new tripodal poly-imine indole-containing ligand: Synthesis, complexation, spectroscopic and theoretical studies. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 2627-2635	2.7	25
67	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , <b>2009</b> , 65, 6179-6188	2.4	31
66	The effect of carbon source on the biological reduction of ionic mercury. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 165, 1040-8	12.8	28
65	Synthesis, characterization and spectroscopic studies of two new schiff-base bithienyl pendant-armed 15-crown-5 molecular probes. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 79-85	3.1	23



64	Exploiting anionic and cationic interactions with a new emissive imine-based Rhaphthol molecular probe. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 905-912	3.1	15
63	New chemosensors based on thiomacrocyclic-containing coumarin-343 fluoroionophore: X-ray structures and previous results on the effect of cation binding on the photophysical properties. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 1128-1134	3.1	8
62	Overview on modern approaches to speed up protein identification workflows relying on enzymatic cleavage and mass spectrometry-based techniques. <i>Analytica Chimica Acta</i> , <b>2009</b> , 650, 151-9	6.6	81
61	A Review of Synthetic Polymer Characterization by Pyrolysis-GC/MS. <i>Chromatographia</i> , <b>2009</b> , 70, 339-348	2.1	57
60	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> , <b>2008</b> , 7, 2097-106	5.6	18
59	Ultrasonic-assisted enzymatic digestion (USAED) for total elemental determination and elemental speciation: a tutorial. <i>Talanta</i> , <b>2008</b> , 75, 872-84	6.2	40
58	Optimization of pressurized liquid extraction (PLE) of dioxin-furans and dioxin-like PCBs from environmental samples. <i>Talanta</i> , <b>2008</b> , 75, 916-25	6.2	32
57	Ultrasonic energy as a new tool for fast isotopic <sup>18</sup> O labeling of proteins for mass spectrometry-based techniques: preliminary results. <i>Talanta</i> , <b>2008</b> , 76, 400-6	6.2	15
56	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. <i>Talanta</i> , <b>2008</b> , 77, 870-875	6.2	20
55	Ultrasonic energy as a tool in the sample treatment for polymer characterization through matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Talanta</i> , <b>2008</b> , 77, 882-888	6.2	5
54	EREG South-West Electricity REM: First achievements and market coupling <b>2008</b> ,		2
53	Ultrasonic-assisted matrix solid-phase dispersion as an improved methodology for the determination of pesticides in fruits. <i>Journal of Chromatography A</i> , <b>2008</b> , 1212, 145-9	4.5	66
52	Effects of exposure to arsenic in <i>Corbicula fluminea</i> : Evaluation of the histological, histochemical and biochemical responses. <i>Ciencias Marinas</i> , <b>2008</b> , 34, 307-316	1.7	4
51	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> , <b>2007</b> , 6, 3393-9	5.6	24
50	Exploring the interaction of mercury(II) by N(2)S(2) and NS(3) anthracene-containing macrocyclic ligands: photophysical, analytical, and structural studies. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 7818-26	5.1	44
49	Suppressive effect of herbal medicine saikokeishito on acinar cell apoptosis in rat spontaneous chronic pancreatitis. <i>Pancreatology</i> , <b>2007</b> , 7, 28-36	3.8	4
48	Measuring transient water flow in unsaturated municipal solid waste--a new experimental approach. <i>Waste Management</i> , <b>2007</b> , 27, 811-9	8.6	19
47	Sensing metal ions with two new azomethine-thiophene pincer ligands (NSN): Fluorescence and MALDI-TOF-MS applications. <i>Inorganic Chemistry Communication</i> , <b>2007</b> , 10, 925-929	3.1	22

46	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> , <b>2007</b> , 1153, 291-9	4.5	29
45	Ultrasonic assisted protein enzymatic digestion for fast protein identification by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Sonoreactor versus ultrasonic probe. <i>Journal of Chromatography A</i> , <b>2007</b> , 1166, 101-7	4.5	51
44	Toxicological effects and bioaccumulation in the freshwater clam ( <i>Corbicula fluminea</i> ) following exposure to trivalent arsenic. <i>Environmental Toxicology</i> , <b>2007</b> , 22, 502-9	4.2	14
43	Simplifying sample handling for protein identification by peptide mass fingerprint using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 3269-78	2.2	14
42	Sonoreactor-based technology for fast high-throughput proteolytic digestion of proteins. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 909-12	5.6	38
41	Chromatographic-based methods for pesticide determination in honey: An overview. <i>Talanta</i> , <b>2007</b> , 71, 503-14	6.2	96
40	Gas chromatography mass spectrometry determination of acaricides from honey after a new fast ultrasonic-based solid phase micro-extraction sample treatment. <i>Talanta</i> , <b>2007</b> , 71, 1906-14	6.2	39
39	Can sample treatments based on advanced oxidation processes assisted by high-intensity focused ultrasound be used for toxic arsenic determination in human urine by flow-injection hydride-generation atomic absorption spectrometry?. <i>Talanta</i> , <b>2007</b> , 72, 968-75	6.2	2
38	Trends in ultrasonic-based equipment for analytical sample treatment. <i>Talanta</i> , <b>2007</b> , 73, 795-802	6.2	96
37	Enzymatic probe sonication as a tool for solid-liquid extraction for total selenium determination by electrothermal-atomic absorption spectrometry. <i>Talanta</i> , <b>2007</b> , 74, 198-205	6.2	20
36	Metallothionein responses in the Asiatic clam ( <i>Corbicula fluminea</i> ) after exposure to trivalent arsenic. <i>Biomarkers</i> , <b>2007</b> , 12, 589-98	2.6	16
35	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> , <b>2006</b> , 78, 8181-8	7.8	35
34	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> , <b>2006</b> , 68, 813-8	6.2	17
33	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> , <b>2006</b> , 68, 1156-61	6.2	32
32	Trends in selenium determination/speciation by hyphenated techniques based on AAS or AFS. <i>Talanta</i> , <b>2006</b> , 68, 1442-7	6.2	58
31	Dynamic versus static ultrasonic sample treatment for the solid-liquid pre-concentration of mercury from human urine. <i>Talanta</i> , <b>2006</b> , 69, 769-75	6.2	6
30	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> , <b>2006</b> , 13, 98-106	8.9	20
29	Sample treatment with focused ultrasound and bath sonication as a powerful tool for the evaluation of cadmium pollution in estuarine waters. <i>Marine Chemistry</i> , <b>2006</b> , 98, 286-294	3.7	

28	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> , <b>2006</b> , 115, 276-286	8.5	29
27	Sample treatment for protein identification by mass spectrometry-based techniques. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 996-1005	14.6	52
26	Ultra fast trypsin digestion of proteins by high intensity focused ultrasound. <i>Journal of Proteome Research</i> , <b>2005</b> , 4, 1569-74	5.6	146
25	Micro-focused ultrasonic solid-liquid extraction (muFUSLE) combined with HPLC and fluorescence detection for PAHs determination in sediments: optimization and linking with the analytical minimalism concept. <i>Talanta</i> , <b>2005</b> , 66, 1272-80	6.2	63
24	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> , <b>2005</b> , 12, 225-32	8.9	80
23	Focused Ultrasound Versus Microwave Digestion for the Determination of Lead in Must by Electrothermal-Atomic Absorption Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2005</b> , 88, 585-591	1.7	7
22	Ultrasonication for Analytical Chemistry. <i>Current Analytical Chemistry</i> , <b>2005</b> , 1, 193-201	1.7	28
21	Metal Ion Interaction of Two New Tritopic N2O13 Macrobicycles with B15C5 Moieties in Acetonitrile Solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2004</b> , 49, 249-258		9
20	Synthesis and Spectroscopic Characterization of Dinuclear Calcium Complexes with Oxa-Aza Macrocyclic Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 914-920	1.3	3
19	Manganese(II), Cobalt(II), and Nickel(II) Perchlorate Complexes Containing N, O Donor Macrocyclic Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2004</b> , 630, 1110-1115	1.3	12
18	Advanced oxidation processes for sample treatment in atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 331-340	14.6	42
17	Enzymatic digestion and ultrasonication: a powerful combination in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 654-663	14.6	70
16	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> , <b>2004</b> , 19, 414	3.7	28
15	Enzymatic probe sonication: enhancement of protease-catalyzed hydrolysis of selenium bound to proteins in yeast. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 233-7	7.8	95
14	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> , <b>2004</b> , 64, 217-23	6.2	26
13	Ozone treatment for mercury determination in white wines. <i>Talanta</i> , <b>2003</b> , 61, 485-91	6.2	16
12	Evaluation of Platanus occidentalis and Pinus sylvestris as Bioindicators for Lead and Cadmium by Slurry Sampling-Electrothermal Atomic Absorption Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2002</b> , 85, 212-218	1.7	7
11	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> , <b>2001</b> , 73, 3732-6	7.8	38

10	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> , <b>2000</b> , 53, 433-41	6.2	140
9	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> , <b>2000</b> , 72, 4979-84	7.8	62
8	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> , <b>1999</b> , 363, 283-288		40
7	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> , <b>1999</b> , 14, 1221-1226	3.7	43
6	Solid-liquid extraction of copper from slurried samples using high intensity probe sonication for electrothermal atomic absorption spectrometry. <i>Talanta</i> , <b>1999</b> , 50, 905-11	6.2	42
5	Ultrasound-assisted extraction of cadmium from slurried biological samples for electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 1285-1290	3.7	38
4	Ultrasonic Energy as a Tool for Sample Treatment for the Analysis of Elements and Elemental Speciation17-54		1
3	The Power of Ultrasound1-16		30
2	Power Ultrasound Meets Proteomics107-127		9
1	Beyond Analytical Chemistry129-150		1