

Jose Luis Capelo Martinez

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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 ¹⁵	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, 2948-76	58.5	179
3 ¹⁴	Ultra fast trypsin digestion of proteins by high intensity focused ultrasound. <i>Journal of Proteome Research</i> , 2005 , 4, 1569-74	5.6	146
3 ¹³	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, 433-41	6.2	140
3 ¹²	Mechanisms of quinolone action and resistance: where do we stand?. <i>Journal of Medical Microbiology</i> , 2017 , 66, 551-559	3.2	136
3 ¹¹	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	8.5	104
3 ¹⁰	Chromatographic-based methods for pesticide determination in honey: An overview. <i>Talanta</i> , 2007 , 71, 503-14	6.2	96
3 ⁰⁹	Trends in ultrasonic-based equipment for analytical sample treatment. <i>Talanta</i> , 2007 , 73, 795-802	6.2	96
3 ⁰⁸	Enzymatic probe sonication: enhancement of protease-catalyzed hydrolysis of selenium bound to proteins in yeast. <i>Analytical Chemistry</i> , 2004 , 76, 233-7	7.8	95
3 ⁰⁷	An overview of the effective combination therapies for the treatment of breast cancer. <i>Biomaterials</i> , 2016 , 97, 34-50	15.6	87
3 ⁰⁶	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, 151-9	6.6	81
3 ⁰⁵	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, 225-32	8.9	80
3 ⁰⁴	Enzymatic digestion and ultrasonication: a powerful combination in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 654-663	14.6	70
3 ⁰³	Mass-Up: an all-in-one open software application for MALDI-TOF mass spectrometry knowledge discovery. <i>BMC Bioinformatics</i> , 2015 , 16, 318	3.6	68
3 ⁰²	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, 145-9	4.5	66
3 ⁰¹	SHOX2 is a direct miR-375 target and a novel epithelial-to-mesenchymal transition inducer in breast cancer cells. <i>Neoplasia</i> , 2014 , 16, 279-90.e1-5	6.4	63
3 ⁰⁰	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> , 2005 , 66, 1272-80	6.2	63
299	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, 4979-84	7.8	62

298	Trends in selenium determination/speciation by hyphenated techniques based on AAS or AFS. <i>Talanta</i> , 2006 , 68, 1442-7	6.2	58
297	A Review of Synthetic Polymer Characterization by Pyrolysis-ICMS. <i>Chromatographia</i> , 2009 , 70, 339-348	2.1	57
296	Sample treatment for protein identification by mass spectrometry-based techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 996-1005	14.6	52
295	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> , 2007 , 1166, 101-7	4.5	51
294	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, 6149-58	5.1	50
293	Cyclin-dependent kinase 2 is an ideal target for ovary tumors with elevated cyclin E1 expression. <i>Oncotarget</i> , 2015 , 6, 20801-12	3.3	50
292	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	7.5	48
291	Resveratrol Inhibits the Migration and Metastasis of MDA-MB-231 Human Breast Cancer by Reversing TGF- β -Induced Epithelial-Mesenchymal Transition. <i>Molecules</i> , 2019 , 24,	4.8	48
290	A comparison of depletion versus equalization for reducing high-abundance proteins in human serum. <i>Electrophoresis</i> , 2011 , 32, 2966-74	3.6	48
289	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> , 2011 , 50, 8834-49	5.1	45
288	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> , 2007 , 46, 7818-26	5.1	44
287	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , 2018 , 7, 9-52	2.3	44
286	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	3.7	43
285	Advanced oxidation processes for sample treatment in atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 331-340	14.6	42
284	Solid-liquid extraction of copper from slurried samples using high intensity probe sonication for electrothermal atomic absorption spectrometry. <i>Talanta</i> , 1999 , 50, 905-11	6.2	42
283	Latest developments in sample treatment for ^{18}O -isotopic labeling for proteomics mass spectrometry-based approaches: a critical review. <i>Talanta</i> , 2010 , 80, 1476-86	6.2	40
282	Ultrasonic-assisted enzymatic digestion (USAED) for total elemental determination and elemental speciation: a tutorial. <i>Talanta</i> , 2008 , 75, 872-84	6.2	40
281	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		40

280	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, 8276-86	5.1	39
279	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, 1906-14	6.2	39
278	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	3.7	38
277	Sonoreactor-based technology for fast high-throughput proteolytic digestion of proteins. <i>Journal of Proteome Research</i> , 2007 , 6, 909-12	5.6	38
276	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, 3732-6	7.8	38
275	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	4.6	36
274	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	6.4	35
273	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, 2494-9	7.8	35
272	Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. <i>Materials Science and Engineering C</i> , 2020 , 106, 110104	8.3	35
271	Research advances in traditional Chinese medicine syndromes in cancer patients. <i>Journal of Integrative Medicine</i> , 2016 , 14, 12-21	4	34
270	A new 3,5-bisporphyrinylpyridine derivative as a fluorescent ratiometric probe for zinc ions. <i>Chemistry - A European Journal</i> , 2014 , 20, 6684-92	4.8	34
269	Sequential depletion of human serum for the search of osteoarthritis biomarkers. <i>Proteome Science</i> , 2012 , 10, 55	2.6	33
268	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	2.7	32
267	Steady-state and time-resolved investigations on pyrene-based chemosensors. <i>Inorganic Chemistry</i> , 2013 , 52, 121-9	5.1	32
266	Optimization of pressurized liquid extraction (PLE) of dioxin-furans and dioxin-like PCBs from environmental samples. <i>Talanta</i> , 2008 , 75, 916-25	6.2	32
265	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, 1156-61	6.2	32
264	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	2.3	32
263	Interaction of [V O(acac)] with Human Serum Transferrin and Albumin. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2062-2084	4.5	31

262	Novel small stable gold nanoparticles bearing fluorescent cysteine-coumarin probes as new metal-modulated chemosensors. <i>Inorganic Chemistry</i> , 2011 , 50, 8797-807	5.1	31
261	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009 , 65, 6179-6188	2.4	31
260	Huangqi decoction alleviates dimethylnitrosamine-induced liver fibrosis: An analysis of bile acids metabolic mechanism. <i>Journal of Ethnopharmacology</i> , 2016 , 189, 148-56	5	30
259	The Power of Ultrasound1-16		30
258	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, 291-9	4.5	29
257	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	8.5	29
256	LA-iMageS: a software for elemental distribution bioimaging using LA-ICP-MS data. <i>Journal of Cheminformatics</i> , 2016 , 8, 65	8.6	29
255	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	10	28
254	The effect of carbon source on the biological reduction of ionic mercury. <i>Journal of Hazardous Materials</i> , 2009 , 165, 1040-8	12.8	28
253	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	3.7	28
252	Ultrasonication for Analytical Chemistry. <i>Current Analytical Chemistry</i> , 2005 , 1, 193-201	1.7	28
251	Advances in Synergistic Combinations of Chinese Herbal Medicine for the Treatment of Cancer. <i>Current Cancer Drug Targets</i> , 2016 , 16, 346-56	2.8	28
250	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	4.6	28
249	Turn-on selective vitamin B6 derivative fluorescent probe for histidine detection in biological samples. <i>Analyst</i> , 2013 , 138, 3642-5	5	27
248	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , 2012 , 100, 239-45	6.2	27
247	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012 , 2012, 246538	2.3	27
246	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, 321-31	3.9	26
245	Clonal diversity of ESBL-producing <i>Escherichia coli</i> in pigs at slaughter level in Portugal. <i>Foodborne Pathogens and Disease</i> , 2013 , 10, 74-9	3.8	26

244	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	8.5	26
243	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, 217-23	6.2	26
242	A new tripodal poly-imine indole-containing ligand: Synthesis, complexation, spectroscopic and theoretical studies. <i>Inorganica Chimica Acta</i> , 2009 , 362, 2627-2635	2.7	25
241	Preventive and therapeutic role of Tanshinone IIA in hepatology. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 112, 108676	7.5	24
240	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, 301-3	2.5	24
239	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	8.5	24
238	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, 7673-83	4.3	24
237	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, 3393-9	5.6	24
236	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	3.1	23
235	Ocean warming alters cellular metabolism and induces mortality in fish early life stages: A proteomic approach. <i>Environmental Research</i> , 2016 , 148, 164-176	7.9	23
234	Evaluation of the binding of four anti-tumor Casiopeínas to human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2017 , 175, 284-297	4.2	22
233	Sensing metal ions with two new azomethine-biophene pincer ligands (NSN): Fluorescence and MALDI-TOF-MS applications. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 925-929	3.1	22
232	Metabolomic mechanisms of gypenoside against liver fibrosis in rats: An integrative analysis of proteomics and metabolomics data. <i>PLoS ONE</i> , 2017 , 12, e0173598	3.7	22
231	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	5	21
230	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	5	21
229	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped-Polymer Studies. <i>ChemPlusChem</i> , 2013 , 78, 1230-1243	2.8	21
228	Effect of vancomycin on the proteome of the multiresistant Enterococcus faecium SU18 strain. <i>Journal of Proteomics</i> , 2015 , 113, 378-87	3.9	20
227	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	3.7	20

226	Isoliquiritigenin Inhibits Ovarian Cancer Metastasis by Reversing Epithelial-to-Mesenchymal Transition. <i>Molecules</i> , 2019 , 24,	4.8	20
225	Advances in mesenchymal stem cells combined with traditional Chinese medicine therapy for liver fibrosis. <i>Journal of Integrative Medicine</i> , 2014 , 12, 147-55	4	20
224	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , 2014 , 45, 61-65	3.1	20
223	Actions of Huangqi decoction against rat liver fibrosis: a gene expression profiling analysis. <i>Chinese Medicine</i> , 2015 , 10, 39	4.7	20
222	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	2.7	20
221	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, 1783-91	2.2	20
220	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. <i>Talanta</i> , 2008 , 77, 870-875	6.2	20
219	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	6.2	20
218	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	8.9	20
217	Binding of vanadium to human serum transferrin - voltammetric and spectrometric studies. <i>Journal of Inorganic Biochemistry</i> , 2018 , 180, 211-221	4.2	19
216	Preparation and ion recognition features of porphyrin-halcone type compounds as efficient red-fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4772-4783	7.1	19
215	Recent Advance in Applications of Proteomics Technologies on Traditional Chinese Medicine Research. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 983139	2.3	19
214	Direct matrix assisted laser desorption ionization mass spectrometry-based analysis of wine as a powerful tool for classification purposes. <i>Talanta</i> , 2012 , 91, 72-6	6.2	19
213	Measuring transient water flow in unsaturated municipal solid waste--a new experimental approach. <i>Waste Management</i> , 2007 , 27, 811-9	8.6	19
212	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. <i>Dyes and Pigments</i> , 2014 , 110, 152-158	4.6	18
211	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, 2097-106	5.6	18
210	Chinese herbal formula Fuzheng Huayu alleviates CCl ₄ -induced liver fibrosis in rats: a transcriptomic and proteomic analysis. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 930-941	8	18
209	Systems biology approaches in the study of Chinese herbal formulae. <i>Chinese Medicine</i> , 2018 , 13, 65	4.7	18

208	Molecular Epidemiology of Lineages in Wild Animals in Europe: A Review. <i>Antibiotics</i> , 2020 , 9,	4.9	17
207	1D chain fluorescein-functionalized gold and silver nanoparticles as new optical mercury chemosensor in aqueous media. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	17
206	Development of a fast and efficient ultrasonic-based strategy for DNA fragmentation. <i>Talanta</i> , 2010 , 81, 881-6	6.2	17
205	A secretome-based methodology may provide a better characterization of the virulence of <i>Listeria monocytogenes</i> : preliminary results. <i>Talanta</i> , 2010 , 83, 457-63	6.2	17
204	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, 813-8	6.2	17
203	Toxicokinetics of waterborne trivalent arsenic in the freshwater bivalve <i>Corbicula fluminea</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2009 , 57, 338-47	3.2	16
202	Metallothionein responses in the Asiatic clam (<i>Corbicula fluminea</i>) after exposure to trivalent arsenic. <i>Biomarkers</i> , 2007 , 12, 589-98	2.6	16
201	Ozone treatment for mercury determination in white wines. <i>Talanta</i> , 2003 , 61, 485-91	6.2	16
200	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	3.3	16
199	Yinchenhao Decoction Alleviates Liver Fibrosis by Regulating Bile Acid Metabolism and TGF- β /Smad/ERK Signalling Pathway. <i>Scientific Reports</i> , 2018 , 8, 15367	4.9	16
198	Unravelling the role of ultrasonic energy in the enhancement of enzymatic kinetics. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 74, 9-15		15
197	Non-toxic fluorescent alaninefluorescein probe with green emission for dual colorimetric/fluorimetric sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 269, 17-26	4.7	15
196	Evidence-Based ZHENG: A Traditional Chinese Medicine Syndrome 2013. <i>Evidence-based Complementary and Alternative Medicine</i> , 2014 , 2014, 484201	2.3	15
195	An assessment of the ultrasonic probe-based enhancement of protein cleavage with immobilized trypsin. <i>Proteomics</i> , 2011 , 11, 3866-76	4.8	15
194	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> , 2010 , 39, 11654-63	4.3	15
193	Exploiting anionic and cationic interactions with a new emissive imine-based Rhaphthol molecular probe. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 905-912	3.1	15
192	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, 2375-85	2.2	15
191	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, 400-6	6.2	15

190	New Synthesis of Gold- and Silver-Based Nano-Tetracycline Composites. <i>ChemistryOpen</i> , 2016 , 5, 206-212.	3.3	15
189	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	4.6	15
188	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	8	15
187	Suppression of lung cancer progression by isoliquiritigenin through its metabolite 2, 4, 2', 4'-Tetrahydroxychalcone. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018 , 37, 243	12.8	15
186	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,	4.8	14
185	A cost-effective method to get insight into the peritoneal dialysate effluent proteome. <i>Journal of Proteomics</i> , 2016 , 145, 207-213	3.9	14
184	Accelerated sample treatment for screening of banned doping substances by GC-MS: ultrasonication versus microwave energy. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 861-75	4.4	14
183	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> , 2011 , 14, 831-835	3.1	14
182	Toxicological effects and bioaccumulation in the freshwater clam (<i>Corbicula fluminea</i>) following exposure to trivalent arsenic. <i>Environmental Toxicology</i> , 2007 , 22, 502-9	4.2	14
181	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> , 2007 , 21, 3269-78	2.2	14
180	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	3.3	14
179	The interaction of Hg(2+) and trivalent ions with two new fluorescein bio-inspired dual colorimetric/fluorimetric probes. <i>Dalton Transactions</i> , 2016 , 45, 9513-22	4.3	14
178	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	10.2	13
177	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> , 2014 , 16, 1	2.3	13
176	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, 517-26	4.3	13
175	On-target ultrasonic digestion of proteins. <i>Proteomics</i> , 2013 , 13, 1423-7	4.8	13
174	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> , 2020 , 96,	4.3	13
173	A comprehensive factorial design study of variables affecting protein extraction from formalin-fixed kidney tissue samples. <i>Talanta</i> , 2014 , 119, 90-7	6.2	12

172	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> , 2014 , 137, 115-22	4.2	12
171	Polyamine ligand-mediated self-assembly of gold and silver nanoparticles into chainlike structures in aqueous solution: towards new nanostructured chemosensors. <i>ChemistryOpen</i> , 2013 , 2, 200-7	2.3	12
170	Complete proteome of a quinolone-resistant Salmonella Typhimurium phage type DT104B clinical strain. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 14191-219	6.3	12
169	Study of ZHENG differentiation in hepatitis B-caused cirrhosis: a transcriptional profiling analysis. <i>BMC Complementary and Alternative Medicine</i> , 2014 , 14, 371	4.7	12
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43	Sensitizing Agents to Restore Antibiotic Resistance 2019 , 429-452		1
42	Strategies to Prevent the Spread of Antibiotic Resistance 2019 , 589-635		1
41	Beta-Lactams 2019 , 57-72		1
40	Impact of Key and Secondary Drug Resistance Mutations on Structure and Activity of β -Lactamases 2019 , 119-140		1
39	Antimicrobial Efflux Pumps 2019 , 167-179		1
38	Bacterial Persistence in Biofilms and Antibiotics 2019 , 181-210		1
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