

# Isabel Sierra Alonso

## List of Publications by Year in descending order

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121  
papers

3,639  
citations

126858

33  
h-index

168321

53  
g-index

122  
all docs

122  
docs citations

122  
times ranked

3630  
citing authors

#	ARTICLE	IF	CITATIONS
1	New functional legume foods by germination: effect on the nutritive value of beans, lentils and peas. <i>European Food Research and Technology</i> , 2002, 215, 472-477.	1.6	172
2	2-Mercaptothiazoline modified mesoporous silica for mercury removal from aqueous media. <i>Journal of Hazardous Materials</i> , 2006, 134, 245-256.	6.5	168
3	Mesoporous silica functionalized with 2-mercaptopyridine: Synthesis, characterization and employment for Hg(II) adsorption. <i>Microporous and Mesoporous Materials</i> , 2006, 89, 58-68.	2.2	164
4	Heavy metal complexation on hybrid mesoporous silicas: an approach to analytical applications. <i>Chemical Society Reviews</i> , 2013, 42, 3792-3807.	18.7	153
5	Adsorption of cadmium(ii) from aqueous media onto a mesoporous silica chemically modified with 2-mercaptopyrimidine. <i>Journal of Materials Chemistry</i> , 2006, 16, 1757-1764.	6.7	136
6	Preparation, characterization, and Zn <sup>2+</sup> adsorption behavior of chemically modified MCM-41 with 5-mercapto-1-methyltetrazole. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 551-562.	5.0	93
7	Influence of soaking and cooking on the thiamin, riboflavin and niacin contents of legumes. <i>Food Chemistry</i> , 2004, 84, 271-277.	4.2	87
8	Assessment of nutritional compounds and antinutritional factors in pea ( <i>Pisum sativum</i> ) seeds. <i>Journal of the Science of Food and Agriculture</i> , 2003, 83, 298-306.	1.7	85
9	A New Generation of Anticancer Drugs: Mesoporous Materials Modified with Titanocene Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 5588-5597.	1.7	79
10	Influence of weaning on carcass quality, fatty acid composition and meat quality in intensive lamb production systems. <i>Animal Science</i> , 1998, 66, 175-187.	1.3	76
11	Preparation of 2-mercaptobenzothiazole-derivatized mesoporous silica and removal of Hg(ii) from aqueous solution. <i>Journal of Environmental Monitoring</i> , 2006, 8, 214-222.	2.1	73
12	Study of the influence of the metal complex on the cytotoxic activity of titanocene-functionalized mesoporous materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 806-814.	6.7	62
13	Current development and applications of ordered mesoporous silicas and other sol-gel silica-based materials in food sample preparation for xenobiotics analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 88, 167-184.	5.8	61
14	Preconcentration of Zn(II) in water samples using a new hybrid SBA-15-based material. <i>Journal of Hazardous Materials</i> , 2009, 166, 1449-1458.	6.5	58
15	Effect of germination on the thiamine, riboflavin and niacin contents in legumes. <i>European Food Research and Technology</i> , 1997, 205, 48-52.	0.6	54
16	Comparison of different mesoporous silicas for off-line solid phase extraction of 17 $\beta$ -estradiol from waters and its determination by HPLC-DAD. <i>Journal of Hazardous Materials</i> , 2013, 260, 609-617.	6.5	54
17	Study of the biodegradation process of polychlorinated biphenyls in liquid medium and soil by a new isolated aerobic bacterium ( <i>Janibacter</i> sp.). <i>Chemosphere</i> , 2003, 53, 609-618.	4.2	52
18	Study of the cytotoxicity and particle action in human cancer cells of titanocene-functionalized materials with potential application against tumors. <i>Journal of Inorganic Biochemistry</i> , 2012, 106, 100-110.	1.5	51

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19	Functionalized HMS mesoporous silica as solid phase extractant for Pb(II) prior to its determination by flame atomic absorption spectrometry. <i>Journal of Separation Science</i> , 2007, 30, 1556-1567.	1.3	48
20	Comparative HPLC methods for $\beta$ -blockers separation using different types of chiral stationary phases in normal phase and polar organic phase elution modes. Analysis of propranolol enantiomers in natural waters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 62, 33-41.	1.4	47
21	Cr(VI) adsorption on functionalized amorphous and mesoporous silica from aqueous and non-aqueous media. <i>Materials Research Bulletin</i> , 2007, 42, 1518-1530.	2.7	46
22	New Advanced Materials and Sorbent-Based Microextraction Techniques as Strategies in Sample Preparation to Improve the Determination of Natural Toxins in Food Samples. <i>Molecules</i> , 2020, 25, 702.	1.7	45
23	The concerning food safety issue of pyrrolizidine alkaloids: An overview. <i>Trends in Food Science and Technology</i> , 2022, 120, 123-139.	7.8	45
24	Evaluation of a molecularly imprinted polymer for determination of steroids in goat milk by matrix solid phase dispersion. <i>Talanta</i> , 2014, 126, 157-162.	2.9	44
25	Novel supports in chiral stationary phase development for liquid chromatography. Preparation, characterization and application of ordered mesoporous silica particles. <i>Journal of Chromatography A</i> , 2014, 1363, 27-40.	1.8	43
26	Determination of iron and molybdenum in a dietetic preparation by flame AAS after dry ashing. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 25, 103-108.	1.4	42
27	Copper-containing catalysts for solvent-free selective oxidation of benzyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2012, 352, 45-56.	4.8	42
28	Development of screen-printed carbon electrodes modified with functionalized mesoporous silica nanoparticles: Application to voltammetric stripping determination of Pb(II) in non-pretreated natural waters. <i>Electrochimica Acta</i> , 2010, 55, 6983-6990.	2.6	41
29	Ordered mesoporous silica functionalized with $\beta$ -cyclodextrin derivative for stereoisomer separation of flavanones and flavanone glycosides by nano-liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2017, 1490, 166-176.	1.8	39
30	Solid phase extraction of Pb(II) in water samples using a new hybrid inorganic-organic mesoporous silica prior to its determination by FAAS. <i>Mikrochimica Acta</i> , 2009, 165, 291-298.	2.5	38
31	One-pot synthesized functionalized mesoporous silica as a reversed-phase sorbent for solid-phase extraction of endocrine disrupting compounds in milks. <i>Journal of Chromatography A</i> , 2016, 1428, 228-235.	1.8	36
32	Voltammetric analysis of Pb(II) in natural waters using a carbon paste electrode modified with 5-mercapto-1-methyltetrazol grafted on hexagonal mesoporous silica. <i>Mikrochimica Acta</i> , 2010, 169, 57-64.	2.5	34
33	Determination of Hg(II) in natural waters using a carbon paste electrode modified with hybrid mesostructured silica nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2012, 163, 38-43.	4.0	33
34	Cationic amine-bridged periodic mesoporous organosilica materials for off-line solid-phase extraction of phenoxy acid herbicides from water samples prior to their simultaneous enantiomeric determination by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2018, 1566, 146-157.	1.8	32
35	A disposable electrochemical sensor based on bifunctional periodic mesoporous organosilica for the determination of lead in drinking waters. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 2117-2127.	1.2	30
36	Application of a hybrid ordered mesoporous silica as sorbent for solid-phase multi-residue extraction of veterinary drugs in meat by ultra-high-performance liquid chromatography coupled to ion-trap tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1459, 24-37.	1.8	30

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37	Evaluation of bi-functionalized mesoporous silicas as reversed phase/cation-exchange mixed-mode sorbents for multi-residue solid phase extraction of veterinary drug residues in meat samples. <i>Talanta</i> , 2017, 165, 223-230.	2.9	30
38	Immobilization of titanium chiral alkoxides on SBA-15 and modelling the active sites of heterogeneous catalyst using titanium silsesquioxane complexes. <i>Journal of Molecular Catalysis A</i> , 2007, 271, 227-237.	4.8	29
39	Occurrence and Chemistry of Tropane Alkaloids in Foods, with a Focus on Sample Analysis Methods: A Review on Recent Trends and Technological Advances. <i>Foods</i> , 2022, 11, 407.	1.9	29
40	Nutritional evaluation of lentil flours obtained after short-time soaking processes. <i>European Food Research and Technology</i> , 2002, 215, 138-144.	1.6	28
41	A validated flame AAS method for determining magnesium in a multivitamin pharmaceutical preparation. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 25, 941-945.	1.4	27
42	Simultaneous Enantiomeric Determination of Propranolol, Metoprolol, Pindolol, and Atenolol in Natural Waters by HPLC on New Polysaccharide-Based Stationary Phase using a Highly Selective Molecularly Imprinted Polymer Extraction. <i>Chirality</i> , 2012, 24, 860-866.	1.3	27
43	Development of a molecularly imprinted polymer-matrix solid-phase dispersion method for selective determination of $17\beta$ -estradiol as anabolic growth promoter in goat milk. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 3025-3029.	1.9	27
44	Bifunctional periodic mesoporous organosilicas with sulfide bridges as effective sorbents for Hg(II) extraction from environmental and drinking waters. <i>Microporous and Mesoporous Materials</i> , 2016, 229, 90-97.	2.2	27
45	Two novel strategies in food sample preparation for the analysis of dietary polyphenols: Micro-extraction techniques and new silica-based sorbent materials. <i>Trends in Food Science and Technology</i> , 2020, 98, 167-180.	7.8	27
46	A Miniaturized QuEChERS Method Combined with Ultrahigh Liquid Chromatography Coupled to Tandem Mass Spectrometry for the Analysis of Pyrrolizidine Alkaloids in Oregano Samples. <i>Foods</i> , 2020, 9, 1319.	1.9	27
47	An improved and miniaturized analytical strategy based on $1/4$ -QuEChERS for isolation of polyphenols. A powerful approach for quality control of baby foods. <i>Microchemical Journal</i> , 2018, 139, 110-118.	2.3	26
48	Miniaturized and modified QuEChERS method with mesostructured silica as clean-up sorbent for pyrrolizidine alkaloids determination in aromatic herbs. <i>Food Chemistry</i> , 2022, 380, 132189.	4.2	26
49	Dispersive Solid-Phase Extraction of Polyphenols from Juice and Smoothie Samples Using Hybrid Mesostructured Silica Followed by Ultra-high-Performance Liquid Chromatography-Ion-Trap Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 955-967.	2.4	25
50	Periodic mesoporous organosilica materials as sorbents for solid-phase extraction of drugs prior to simultaneous enantiomeric separation by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2018, 1566, 135-145.	1.8	24
51	Synthesis and Characterization of Novel Mesoporous Silicas of the MSU-X Family for Environmental Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4901-4909.	0.9	23
52	Evaluation of mesoporous silicas functionalized with C18 groups as stationary phases for the solid-phase extraction of steroid hormones in milk. <i>Electrophoresis</i> , 2014, 35, 1666-1676.	1.3	23
53	Adsorption of mercury ions by mercapto-functionalized amorphous silica. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 827-838.	1.9	22
54	Preparation and characterization of mesoporous silicas modified with chiral selectors as stationary phase for high-performance liquid chromatography. <i>Journal of Colloid and Interface Science</i> , 2014, 414, 14-23.	5.0	22

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55	Comparison of high-throughput microextraction techniques, MEPS and $\beta$ -SPEed, for the determination of polyphenols in baby food by ultrahigh pressure liquid chromatography. <i>Food Chemistry</i> , 2019, 292, 14-23.	4.2	22
56	Vitamin Stability and Growth of Psychrotrophic Bacteria in Refrigerated Raw Milk Acidified with Carbon Dioxide. <i>Journal of Food Protection</i> , 1996, 59, 1305-1310.	0.8	21
57	The effects of continuous flow microwave treatment and conventional heating on the nutritional value of milk as shown by influence on vitamin B 1 retention. <i>European Food Research and Technology</i> , 1999, 209, 352-354.	1.6	21
58	Chiral capillary electrophoresis applied to the determination of phenylglycidol enantiomers obtained from cinnamyl alcohol by asymmetric epoxidation using new titanium(IV) alkoxide compounds as catalysts. <i>Electrophoresis</i> , 2004, 25, 2745-2754.	1.3	21
59	Preparation of hybrid organic-inorganic mesoporous silicas applied to mercury removal from aqueous media: Influence of the synthesis route on adsorption capacity and efficiency. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 126-134.	5.0	20
60	Simultaneous determination of pindolol, acebutolol and metoprolol in waters by differential-pulse voltammetry using an efficient sensor based on carbon paste electrode modified with amino-functionalized mesostructured silica. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 434-442.	4.0	20
61	Preliminary Study of the Anticancer Applications of Mesoporous Materials Functionalized with the Natural Product Betulinic Acid. <i>ChemMedChem</i> , 2012, 7, 670-679.	1.6	19
62	Application of hybrid mesoporous silica for extraction of hormones in milk by matrix solid phase dispersion. <i>Materials Letters</i> , 2014, 119, 56-59.	1.3	19
63	Preconcentration of $\beta$ -blockers using functionalized ordered mesoporous silica as sorbent for SPE and their determination in waters by chiral CE. <i>Electrophoresis</i> , 2017, 38, 1905-1912.	1.3	19
64	Simultaneous Determination of Furanic Compounds and Acrylamide in Insect-Based Foods by HPLC-QqQ-MS/MS Employing a Functionalized Mesostructured Silica as Sorbent in Solid-Phase Extraction. <i>Foods</i> , 2021, 10, 1557.	1.9	19
65	Kinetics of free and glycosylated B6 vitamers, thiamin and riboflavin during germination of pea seeds. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 307-310.	1.7	18
66	Vitamin B1 and B6 Retention in Milk after Continuous-Flow Microwave and Conventional Heating at High Temperatures. <i>Journal of Food Protection</i> , 2001, 64, 890-894.	0.8	18
67	Grafting or tethering titanium alkoxo complexes on MCM-41? Strategies to prepare epoxidation catalysts. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 452-460.	2.2	18
68	Sulfonic Acid-Functionalized SBA-15 as Strong Cation-Exchange Sorbent for Solid-Phase Extraction of Atropine and Scopolamine in Gluten-Free Grains and Flours. <i>Foods</i> , 2020, 9, 1854.	1.9	18
69	Effect of Light on Carbohydrates and Hydrosoluble Vitamins of Lentils during Soaking. <i>Journal of Food Protection</i> , 1995, 58, 692-695.	0.8	17
70	A novel hybrid mesostructured silica for the solid-phase extraction of estrogenic hormones from waters. <i>Analytical Methods</i> , 2015, 7, 4740-4749.	1.3	17
71	Mesostructured Silica-Coated Magnetic Nanoparticles to Extract Six Opium Alkaloids in Poppy Seeds Prior to Ultra-High-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. <i>Foods</i> , 2021, 10, 1587.	1.9	17
72	Nutritional Evaluation of Ethanol-Extracted Lentil Flours. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 1854-1860.	2.4	16

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73	Evaluation of bi-functionalized mesoporous silica for solid-phase extraction of twelve endocrine disrupting compounds from water. <i>Materials Letters</i> , 2014, 132, 19-22.	1.3	16
74	Approaches for enantioselective resolution of pharmaceuticals by miniaturised separation techniques with new chiral phases based on nanoparticles and monoliths. <i>Electrophoresis</i> , 2016, 37, 2538-2553.	1.3	16
75	Application of the QuEChERS Strategy as a Useful Sample Preparation Tool for the Multiresidue Determination of Pyrrolizidine Alkaloids in Food and Feed Samples: A Critical Overview. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4325.	1.3	16
76	Solid-State 49/47Ti NMR of Titanium-Based MCM-41 Hybrid Materials. <i>Langmuir</i> , 2009, 25, 12706-12712.	1.6	15
77	Bi-functionalized mesostructured silicas as reversed-phase/strong anion-exchange sorbents. Application to extraction of polyphenols prior to their quantitation by UHPLC with ion-trap mass spectrometry detection. <i>Mikrochimica Acta</i> , 2019, 186, 164.	2.5	15
78	Opium alkaloids in food products: Current and future perspectives. <i>Trends in Food Science and Technology</i> , 2021, 108, 92-102.	7.8	15
79	Polymerization of $\epsilon$ -caprolactone using bulky alkoxy-titanium complexes and structural analysis of [Ti(OBorneoxo)2Cl2(thf)2]. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3053-3059.	0.8	14
80	A comparative study on carbon paste electrodes modified with hybrid mesoporous materials for voltammetric analysis of lead (II). <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 76-82.	1.9	14
81	Simultaneous determination of phenylglycidol enantiomers and cinnamyl alcohol in asymmetric epoxidation processes by chiral liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1046, 61-66.	1.8	13
82	Adsorption of heavy metals by pyrimidine-derived mesoporous hybrid material. <i>Journal of Porous Materials</i> , 2010, 17, 417-424.	1.3	12
83	Hydroxymethylfurfural determination in cereal and insect bars by high-performance liquid chromatography-mass spectrometry employing a functionalized mesostructured silica as sorbent in solid-phase extraction. <i>Journal of Chromatography A</i> , 2020, 1622, 461124.	1.8	12
84	Green extraction approach based on SPE <sup>®</sup> followed by HPLC-MS/MS for the determination of atropine and scopolamine in tea and herbal tea infusions. <i>Food Chemistry</i> , 2022, 394, 133512.	4.2	12
85	New hybrid materials as Zn(II) sorbents in water samples. <i>Materials Research Bulletin</i> , 2010, 45, 1177-1181.	2.7	11
86	Factors affecting Hg(II) adsorption on hybrid nanostructured silicas: influence of the synthesis conditions. <i>Journal of Porous Materials</i> , 2014, 21, 71-80.	1.3	11
87	New Advances in Food Sample Preparation With Nanomaterials for Organic Contaminants Analysis by Liquid Chromatography. , 2018, , 118-154.		11
88	New Validated Method for the Determination of Six Opium Alkaloids in Poppy Seed-Containing Bakery Products by High-Performance Liquid Chromatography-Tandem Mass Spectrometry after Magnetic Solid-Phase Extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7594-7606.	2.4	11
89	Quick and Green Microextraction of Pyrrolizidine Alkaloids from Infusions of Mallow, Calendula, and Hibiscus Flowers Using Ultrahigh-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7826-7841.	2.4	11
90	Effect of ripening stage on thiamin and riboflavin levels in lupin, pea and faba bean seeds. <i>European Food Research and Technology</i> , 1998, 206, 126-129.	0.6	10



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91	A family of titanium (IV) alkoxo complexes with N,O and O,O chelating ligands. Crystal structure of [Ti(Oâ€“i-Pr) <sub>2</sub> {2-(âˆ“)-menthoxy-pyridine} <sub>2</sub> ]. <i>Inorganica Chimica Acta</i> , 2007, 360, 607-618.	1.2	10
92	MCM-41/ansa-zirconocene supported catalysts: Preparation, characterization and catalytic behaviour in ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2009, 304, 107-116.	4.8	10
93	Heterogenization of [Ti( $\eta$ -5-C <sub>5</sub> HMe <sub>4</sub> )Cl <sub>3</sub> ] on to MCM-41 and organomodified MCM-41 to form epoxidation catalyst. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1708-1715.	0.8	10
94	Evaluation of functionalized mesoporous silicas for reverse phase high performance liquid chromatography: An application for the separation of steroids. <i>Microchemical Journal</i> , 2014, 114, 53-58.	2.3	10
95	Evaluation of mesoporous imprinted silicas as MSPD selective sorbents of ketoprofen in powder milk. <i>Materials Letters</i> , 2017, 197, 5-7.	1.3	10
96	Mesostructured Silicas as Cation-Exchange Sorbents in Packed or Dispersive Solid Phase Extraction for the Determination of Tropane Alkaloids in Culinary Aromatics Herbs by HPLC-MS/MS. <i>Toxins</i> , 2022, 14, 218.	1.5	10
97	Natural fermentation of lentils. <i>European Food Research and Technology</i> , 1997, 205, 464-469.	0.6	9
98	Determination by capillary electrophoresis of total and available niacin in different development stage of raw and processed legumes: Comparison with high-performance liquid chromatography. <i>Electrophoresis</i> , 2001, 22, 1479-1483.	1.3	9
99	Synthesis of adducts from mercury(II) with N and S donor ligands as models of adsorbent materials for the retention of heavy metals. <i>Inorganica Chimica Acta</i> , 2003, 355, 347-353.	1.2	9
100	A Simple Method to Determine Free and Glycosylated Vitamin B6 in Legumes. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1997, 20, 957-969.	0.5	8
101	A comparative study of phenolic composition and antioxidant activity in commercial and experimental seedless table grapes cultivated in a Mediterranean climate. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 1916-1930.	1.6	8
102	Influence of heating conditions in continuous-flow microwave or tubular heat exchange systems on the vitamin B1 and B2 content of milk. <i>Dairy Science and Technology</i> , 2000, 80, 601-608.	0.9	8
103	Synthesis and characterization of cyclopentadienyl/alkoxo titanium dichlorides: structural analysis of monocyclopentadienyl titanium dichlorides with ligands derived from menthol and borneol. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3492-3500.	0.8	7
104	Chiral separation of glycidol enantiomers by normal-phase high-performance liquid chromatography coupled to atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 566, 185-192.	2.6	7
105	Asymmetric epoxidation of cinnamyl alcohol with optically active titanium complexes. <i>Chirality</i> , 2006, 18, 44-48.	1.3	7
106	Environmental chiral analysis of $\beta$ -blockers: evaluation of different n-alkyl-modified SBA-15 mesoporous silicas as sorbents in solid-phase extraction. <i>Environmental Chemistry</i> , 2018, 15, 362.	0.7	7
107	2-Mercaptopyrimidine-functionalized mesostructured silicas to develop electrochemical sensors for a rapid control of scopolamine in tea and herbal tea infusions. <i>Microchemical Journal</i> , 2020, 157, 104877.	2.3	7
108	Study of the Phenolic Compound Profile of <i>Arbutus unedo</i> L. Fruits at Different Ripening Stages by HPLC-TQ-MS/MS. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11616.	1.3	7

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109	Influence of Organic Modifier Additives to Separate Steroids by Micellar Electrokinetic Chromatography: Determination of Solute-Micelle Association Constants at Different Acetonitrile Concentrations. <i>Analytical Letters</i> , 2014, 47, 1513-1527.	1.0	6
110	High throughput analytical approach based on $\hat{1}/4$ QuEChERS combined with UHPLC-PDA for analysis of bioactive secondary metabolites in edible flowers. <i>Food Chemistry</i> , 2022, 393, 133371.	4.2	6
111	Simultaneous determination of phenylglycidol enantiomers and cinnamyl alcohol in asymmetric epoxidation processes by chiral liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1046, 61-66.	1.8	5
112	Enantiomeric separation of glycidyl tosylate by CE: Application to the study of catalytic asymmetric epoxidation of allyl alcohol. <i>Electrophoresis</i> , 2008, 29, 4575-4582.	1.3	5
113	Synthesis of titanium-triazine based MCM-41 hybrid materials as catalyst for the asymmetric epoxidation of cinammyl alcohol. <i>Journal of Molecular Catalysis A</i> , 2009, 310, 83-92.	4.8	5
114	Evaluation of mesostructured silicas with wormhole-like framework functionalized with hydrophobic groups as alternative sorbents for extraction of drug residues from food samples. <i>Materials Letters</i> , 2018, 220, 165-168.	1.3	4
115	A simple and sensitive portable system for a rapid evaluation of bisphenol A contamination in potable and environmental waters using a mesoporous silica-modified carbon paste electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 607-620.	1.8	4
116	Evaluation of mesostructured silica materials with different structures and morphologies as carriers for quercetin and naringin encapsulation. <i>Journal of Porous Materials</i> , 0, , 1.	1.3	4
117	Development and validation of a chiral HPLC method for rapid screening of allylic alcohol asymmetric epoxidation processes. <i>Analytica Chimica Acta</i> , 2008, 618, 102-109.	2.6	3
118	HPLC with polysaccharide chiral stationary phase in polar-organic phase mode: Application to the asymmetric epoxidation of allylic alcohols. <i>Journal of Separation Science</i> , 2009, 32, 3055-3063.	1.3	3
119	Analytical geometry in Spain during the nineteenth century: a study of the negative solutions of an equation. <i>Ensenanza De Las Ciencias</i> , 2017, 35, 89.	0.6	2
120	Study of the efficiency of new phenoxo-ether titanium (IV) complexes as catalysts in asymmetric epoxidation processes. Comparison of HPLC and CE chiral methodologies. <i>Microchemical Journal</i> , 2008, 90, 136-141.	2.3	1
121	Chemical Characterization of the Lichen-Symbiont Microalga <i>Asterochloris erici</i> and Study of Its Cytostatic Effect on the L929 Murine Fibrosarcoma Cell Line. <i>Processes</i> , 2021, 9, 1509.	1.3	0