

David Gonzalez-Gmez

List of Publications by Citations

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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.

88

papers

2,120

citations

27

h-index

43

g-index

106

ext. papers

2,419

ext. citations

3.3

avg, IF

5.18

L-index

#	Paper	IF	Citations
88	In vitro estimation of the antibacterial activity and antioxidant capacity of aqueous extracts from grape-seeds (<i>Vitis vinifera</i> L.). <i>Food Control</i> , 2012 , 24, 136-141	6.2	114
87	Performance and Perception in the Flipped Learning Model: An Initial Approach to Evaluate the Effectiveness of a New Teaching Methodology in a General Science Classroom. <i>Journal of Science Education and Technology</i> , 2016 , 25, 450-459	2.8	105
86	Sweet cherry phytochemicals: Identification and characterization by HPLC-DAD/ESI-MS in six sweet-cherry cultivars grown in Valle del Jerte (Spain). <i>Journal of Food Composition and Analysis</i> , 2010 , 23, 533-539	4.1	88
85	Interference-free analysis using three-way fluorescence data and the parallel factor model. Determination of fluoroquinolone antibiotics in human serum. <i>Analytical Chemistry</i> , 2003 , 75, 2640-6	7.8	88
84	Detection and quantification of melatonin and serotonin in eight Sweet Cherry cultivars (<i>Prunus avium</i> L.). <i>European Food Research and Technology</i> , 2009 , 229, 223-229	3.4	87
83	Microencapsulation of extra-virgin olive oil by spray-drying: Influence of wall material and olive quality. <i>European Journal of Lipid Science and Technology</i> , 2010 , 112, 852-858	3	84
82	Comparative study of the nutritional and bioactive compounds content of four walnut (<i>Juglans regia</i> L.) cultivars. <i>Journal of Food Composition and Analysis</i> , 2013 , 31, 232-237	4.1	79
81	HPLC determination of enoxacin, ciprofloxacin, norfloxacin and ofloxacin with photoinduced fluorimetric (PIF) detection and multiemission scanning: application to urine and serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 822, 185-93	3.2	79
80	Determination of carbamazepine in serum and pharmaceutical preparations using immobilization on a nylon support and fluorescence detection. <i>Analytica Chimica Acta</i> , 2004 , 506, 161-170	6.6	72
79	Reproducible two-dimensional capillary electrophoresis analysis of Barrett's esophagus tissues. <i>Analytical Chemistry</i> , 2006 , 78, 5977-86	7.8	69
78	Students' Perceptions and Emotions Toward Learning in a Flipped General Science Classroom. <i>Journal of Science Education and Technology</i> , 2016 , 25, 747-758	2.8	56
77	Retention of quality and functional values of broccoli 'Barthenon' stored in modified atmosphere packaging. <i>Food Control</i> , 2013 , 31, 302-313	6.2	55
76	Effects of microcapsule constitution on the quality of microencapsulated walnut oil. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 1273-1280	3	55
75	Influence of the microencapsulation on the quality parameters and shelf-life of extra-virgin olive oil encapsulated in the presence of BHT and different capsule wall components. <i>Food Research International</i> , 2012 , 45, 256-261	7	53
74	Physicochemical and bioactive properties evolution during ripening of 'Ambrun' sweet cherry cultivar. <i>LWT - Food Science and Technology</i> , 2011 , 44, 199-205	5.4	53
73	Different postharvest strategies to preserve broccoli quality during storage and shelf life: controlled atmosphere and 1-MCP. <i>Food Chemistry</i> , 2013 , 138, 564-73	8.5	51
72	Partial least squares multicomponent fluorimetric determination of fluoroquinolones in human urine samples. <i>Talanta</i> , 2004 , 62, 853-60	6.2	48

71	Determination of fluoroquinolones in urine and serum by using high performance liquid chromatography and multiemission scan fluorimetric detection. <i>Talanta</i> , 2006 , 68, 1215-21	6.2	47
70	Photoinduced spectrofluorimetric determination of fluoroquinolones in human urine by using three- and two-way spectroscopic data and multivariate calibration. <i>Analytica Chimica Acta</i> , 2005 , 531, 257-266	6.6	42
69	Altered commercial controlled atmosphere storage conditions for Parhenon Broccoli plants (<i>Brassica oleracea</i> L. var. <i>italica</i>). Influence on the outer quality parameters and on the health-promoting compounds. <i>LWT - Food Science and Technology</i> , 2013 , 50, 665-672	5.4	38
68	In-vitro evaluation of the availability of ω -3 and ω -6 fatty acids and tocopherols from microencapsulated walnut oil. <i>Food Research International</i> , 2012 , 48, 316-321	7	36
67	Instrumentation for medium-throughput two-dimensional capillary electrophoresis with laser-induced fluorescence detection. <i>Analytical Chemistry</i> , 2007 , 79, 765-8	7.8	36
66	Determinations of fluoroquinolones and nonsteroidal anti-inflammatory drugs in urine by extractive spectrophotometry and photoinduced spectrofluorimetry using multivariate calibration. <i>Analytical Biochemistry</i> , 2005 , 347, 275-86	3.1	36
65	Identification, quantification and comparison of the principal bioactive compounds and external quality parameters of two broccoli cultivars. <i>Journal of Functional Foods</i> , 2012 , 4, 465-473	5.1	35
64	Influence of the commercial processing and floral origin on bioactive and nutritional properties of honeybee-collected pollen. <i>International Journal of Food Science and Technology</i> , 2011 , 46, 2204-2211	3.8	33
63	A Jerte valley cherry product provides beneficial effects on sleep quality. Influence on aging. <i>Journal of Nutrition, Health and Aging</i> , 2013 , 17, 553-60	5.2	31
62	Strategies for solving matrix effects in the analysis of sulfathiazole in honey samples using three-way photochemically induced fluorescence data. <i>Talanta</i> , 2005 , 65, 806-13	6.2	27
61	HPLC determination of ciprofloxacin, cloxacillin, and ibuprofen drugs in human urine samples. <i>Journal of Separation Science</i> , 2006 , 29, 1969-76	3.4	25
60	A nutraceutical product based on Jerte Valley cherries improves sleep and augments the antioxidant status in humans. <i>European E-journal of Clinical Nutrition and Metabolism</i> , 2009 , 4, e321-e323		24
59	Effects of active learning methodologies on the students' emotions, self-efficacy beliefs and learning outcomes in a science distance learning course. <i>Journal of Technology and Science Education</i> , 2019 , 9, 217	1.4	23
58	In vitro assays of the antibacterial and antioxidant activity of aqueous leaf extracts from different <i>Prunus salicina</i> Lindl. cultivars. <i>Food and Chemical Toxicology</i> , 2012 , 50, 2481-6	4.7	23
57	The Study of Flipped-Classroom for Pre-Service Science Teachers. <i>Education Sciences</i> , 2018 , 8, 163	2.2	23
56	How does a flipped classroom course affect the affective domain toward science course?. <i>Interactive Learning Environments</i> , 2019 , 1-13	3.1	22
55	Determination of danofloxacin in milk combining second-order calibration and standard addition method using excitation-emission fluorescence data. <i>Food Chemistry</i> , 2009 , 113, 1260-1265	8.5	22
54	Characterization of traditional tomato varieties grown in organic conditions. <i>Spanish Journal of Agricultural Research</i> , 2011 , 9, 444	1.1	22

53	The consumption of a Jerte Valley cherry product in humans enhances mood, and increases 5-hydroxyindoleacetic acid but reduces cortisol levels in urine. <i>Experimental Gerontology</i> , 2012 , 47, 573-80	4.5	20
52	Optimization of broccoli microencapsulation process by complex coacervation using response surface methodology. <i>Innovative Food Science and Emerging Technologies</i> , 2016 , 34, 243-249	6.8	19
51	UHPLC as a suitable methodology for the analysis of carotenoids in food matrix. <i>European Food Research and Technology</i> , 2012 , 235, 1055-1061	3.4	19
50	Fast and accurate alternative UV-chemometric method for the determination of chlorophyll A and B in broccoli (<i>Brassica oleracea Italica</i>) and cabbage (<i>Brassica oleracea Sabauda</i>) plants. <i>Journal of Food Composition and Analysis</i> , 2010 , 23, 809-813	4.1	17
49	A Comprehensive Application To Assist in Acid-Base Titration Self-Learning: An Approach for High School and Undergraduate Students. <i>Journal of Chemical Education</i> , 2015 , 92, 855-863	2.4	16
48	Improvement in protein separation in Barretts esophagus samples using two-dimensional capillary electrophoresis analysis in presence of cyclodextrins as buffer additives. <i>Talanta</i> , 2009 , 78, 193-8	6.2	14
47	Chemical cytometry: the chemical analysis of single cells. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 223-6	4.4	14
46	Enhancing science self-efficacy and attitudes of Pre-Service Teachers (PST) through a flipped classroom learning environment. <i>Interactive Learning Environments</i> , 2019 , 1-12	3.1	14
45	A web-based tool framing a collective method for optimizing the location of a renewable energy facility and its possible application to sustainable STEM education. <i>Journal of Cleaner Production</i> , 2020 , 251, 119747	10.3	13
44	EXAMINATION OF STUDENTS' ENGAGEMENT WITH R-SPQ-2F OF LEARNING APPROACH IN FLIPPED SUSTAINABLE SCIENCE COURSE. <i>Journal of Baltic Science Education</i> , 2019 , 18, 880-891	1	12
43	Quantification and bioaccessibility of intact glucosinolates in broccoli (Barthenon) and Savoy cabbage (Dama). <i>Journal of Food Composition and Analysis</i> , 2017 , 61, 40-46	4.1	11
42	Adapting to PSTs' Pedagogical Changes in Sustainable Mathematics Education through Flipped E-Learning: Ranking Its Criteria with MCDA/F-DEMATEL. <i>Mathematics</i> , 2020 , 8, 858	2.3	11
41	Prioritizing Elements of Science Education for Sustainable Development with the MCDA-FDEMATEL Method Using the Flipped E-Learning Scheme. <i>Sustainability</i> , 2019 , 11, 3079	3.6	10
40	Micro-encapsulation of refined olive oil: influence of capsule wall components and the addition of antioxidant additives on the shelf life and chemical alteration. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 2689-95	4.3	10
39	An Online-Based Edu-Escape Room: A Comparison Study of a Multidimensional Domain of PSTs with Flipped Sustainability-STEM Contents. <i>Sustainability</i> , 2021 , 13, 1032	3.6	10
38	Application of experimental design and response surface methodology to optimize the procedure to obtain a bactericide and highly antioxidant aqueous extract from orange peels. <i>Food Control</i> , 2014 , 35, 252-259	6.2	9
37	Tempranillo-derived grape seed extract induces apoptotic cell death and cell growth arrest in human promyelocytic leukemia HL-60 cells. <i>Food and Function</i> , 2013 , 4, 1759-66	6.1	9
36	Fruit chemistry, nutritional benefits and social aspects of cherries. 2017 , 420-441		8

35	Assessment of sustainability science education criteria in online-learning through fuzzy-operational and multi-decision analysis and professional survey. <i>Heliyon</i> , 2020 , 6, e04706	3.6	8
34	Sustainable and Flipped STEM Education: Formative Assessment Online Interface for Observing Pre-Service Teachers' Performance and Motivation. <i>Education Sciences</i> , 2020 , 10, 283	2.2	8
33	EduSciFIT: A Computer-Based Blended and Scaffolding Toolbox to Support Numerical Concepts for Flipped Science Education. <i>Education Sciences</i> , 2019 , 9, 116	2.2	7
32	PLS calibration to resolve overlapping peaks of lutein and zeaxanthin in vegetable samples by LC. <i>Czech Journal of Food Sciences</i> , 2012 , 30, 358-363	1.3	7
31	EXAMINING THE EFFECT OF AN ONLINE FORMATIVE ASSESSMENT TOOL (OFAT) OF STUDENTS' MOTIVATION AND ACHIEVEMENT FOR A UNIVERSITY SCIENCE EDUCATION. <i>Journal of Baltic Science Education</i> , 2020 , 19, 401-414	1	6
30	A web-based scaffolding-learning tool for design students' sustainable spatial planning. <i>Architectural Engineering and Design Management</i> , 2017 , 13, 262-277	1.2	5
29	Influencia de la metodologí flipped en las emociones sentidas por estudiantes del Grado de Educació Primaria en clases de ciencias dependiendo del bachillerato cursado 2018 , 29, 77		5
28	Teaching science contents through a «Flipped» model: An instruction example for Primary Education bachelor students. <i>Ensenanza De Las Ciencias</i> , 2017 , 35, 71	1.6	5
27	Improving Climate Change Awareness of Preservice Teachers (PSTs) through a University Science Learning Environment. <i>Education Sciences</i> , 2021 , 11, 78	2.2	5
26	Optimization of enzyme-assisted aqueous method for the extraction of oil from walnuts using response surface methodology. <i>Journal of Food Processing and Preservation</i> , 2019 , 43, e14218	2.1	4
25	Automatic Web-Based Grading System: Application in an Advanced Instrumental Analysis Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2013 , 90, 308-314	2.4	4
24	Exploring Pedagogical Content Knowledge (PCK) of Physics Teachers in a Colombian Secondary School. <i>Education Sciences</i> , 2020 , 10, 362	2.2	4
23	A STEM Course Analysis During COVID-19: A Comparison Study in Performance and Affective Domain of PSTs Between F2F and F2S Flipped Classroom. <i>Frontiers in Psychology</i> , 2021 , 12, 669855	3.4	4
22	Evaluation of different postharvest conditions to preserve the amount of bioactive compounds, physicochemical quality parameters and sensory attributes of 'Sweetheart' cherries. <i>Acta Horticulturae</i> , 2017 , 581-586	0.3	3
21	Feasibility of the determination of three flavan-3-ols metabolites in urine samples via parallel factor analysis of fluorescence emission matrices. <i>Journal of Functional Foods</i> , 2017 , 37, 303-309	5.1	3
20	Solid-liquid extraction fluorescence line narrowing spectroscopy of fluoroquinolones in aqueous samples. <i>Applied Spectroscopy</i> , 2006 , 60, 1174-80	3.1	3
19	Rapid ultrasensitive chemometrics-fluorescence methodology to quantify fluoroquinolones antibiotics residues in surface water. <i>Journal of Water Chemistry and Technology</i> , 2016 , 38, 280-286	0.4	3
18	Development of an HPLC-MS method for the determination of natural pteridines in tomato samples. <i>Analytical Methods</i> , 2016 , 8, 6404-6414	3.2	2

17	ANTIOXIDANT PHYTOCHEMICALS IN SAVOY CABBAGE (BRASSICA OLERACEA L. VAR. SABAUDA L.). <i>Acta Horticulturae</i> , 2012 , 295-300	0.3	2
16	Behaviour of fresh cut broccoli under different modified atmosphere conditions. <i>Emirates Journal of Food and Agriculture</i> , 2017 , 29, 188	1	2
15	A Molecularly Imprinted Polymer for Selective Extraction of Phenolic Acids from Human Urine. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1577	2.6	2
14	Flipped-OCN Method in Mathematics Learning to Analyze the Attitudes of Pre-Service Teachers. <i>Mathematics</i> , 2021 , 9, 607	2.3	2
13	Bioactive compounds in sweet cherries: identification, quantification and distribution in different cherry cultivars. <i>Acta Horticulturae</i> , 2017 , 483-490	0.3	1
12	The Flipped Learning Model in General Science: Effects on Students Learning Outcomes and Affective Dimensions 2020 , 541-549		1
11	Impact of decreasing staple food production capacity on food self-sufficiency in poor rural communities in Mexico. <i>Economia Agraria Y Recursos Naturales</i> , 2016 , 16, 33-67	0.9	1
10	The influence of teaching methodologies in the assimilation of density concept in primary teacher trainees. <i>Heliyon</i> , 2018 , 4, e00963	3.6	1
9	Optimization of osmotic dehydration of cherry by response surface methodology. <i>Acta Horticulturae</i> , 2017 , 661-666	0.3	0
8	Disposable electrochemical sensor combined with molecularly imprinted solid-phase extraction for catabolites detection of flavan-3-ol in urine samples. <i>Talanta</i> , 2021 , 235, 122734	6.2	0
7	Effect of modified atmosphere on postharvest quality of Sweetheart cherries. <i>Acta Horticulturae</i> , 2017 , 653-660	0.3	
6	Application of microbial antagonists in combination with sodium bicarbonate to control postharvest diseases of sweet cherries. <i>Acta Horticulturae</i> , 2017 , 529-534	0.3	
5	Influence of calcium and gibberellic acid preharvest treatments in sweet cherries (Prunus avium L. Burlat, Sunburst, Ambrunes and Sweetheart) quality and sensory parameters. <i>Acta Horticulturae</i> , 2017 , 603-606	0.3	
4	CONCENTRATIONS OF INTACT GLUCOSINOLATES IN 'PARTHENON' BROCCOLI FLORETS STORED IN MODIFIED ATMOSPHERE PACKAGING AND AIR. <i>Acta Horticulturae</i> , 2015 , 583-588	0.3	
3	Influence of the industrial processing and the floral origin into the volatile constituents of honeybee-collected pollen. <i>Food Science and Technology International</i> , 2013 , 19, 167-76	2.6	
2	FORCED-AIR PRECOOLING EFFECT ON QUALITY OF DELAYED COLD STORED STONE FRUIT. <i>Acta Horticulturae</i> , 2013 , 491-495	0.3	
1	Multi-Criteria Decision Analysis Methods for Sustainability Assessment of Renewable Energy Systems and Its Potential Application to Sustainable STEM Education. <i>Green Energy and Technology</i> , 2021 , 39-62	0.6	