

Florentina Cañada-Cañada

List of Publications by Year in descending order

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72
papers

1,689
citations

236925

25
h-index

315739

38
g-index

74
all docs

74
docs citations

74
times ranked

1530
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	163
2	Analysis of antibiotics in fish samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 987-1008.	3.7	115
3	Students' Perceptions and Emotions Toward Learning in a Flipped General Science Classroom. <i>Journal of Science Education and Technology</i> , 2016, 25, 747-758.	3.9	79
4	Just a game? Gamifying a general science class at university. <i>Thinking Skills and Creativity</i> , 2017, 26, 51-59.	3.5	74
5	Las emociones en la enseñanza de las ciencias. <i>Enseñanza De Las Ciencias</i> , 2014, 32, 11-36.	0.3	59
6	Second-order multivariate calibration procedures applied to high-performance liquid chromatography coupled to fast-scanning fluorescence detection for the determination of fluoroquinolones. <i>Journal of Chromatography A</i> , 2009, 1216, 4868-4876.	3.7	53
7	Chemometric tools improving the determination of anti-inflammatory and antiepileptic drugs in river and wastewater by solid-phase microextraction and liquid chromatography diode array detection. <i>Journal of Chromatography A</i> , 2009, 1216, 5489-5496.	3.7	53
8	Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid. <i>Analytica Chimica Acta</i> , 2001, 427, 129-136.	5.4	49
9	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.	1.2	43
10	Nonlinear Four-Way Kinetic-Excitation-Emission Fluorescence Data Processed by a Variant of Parallel Factor Analysis and by a Neural Network Model Achieving the Second-Order Advantage: Malonaldehyde Determination in Olive Oil Samples. <i>Analytical Chemistry</i> , 2008, 80, 7248-7256.	6.5	41
11	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, 275-286.	2.4	40
12	High-performance liquid chromatographic determination of glyoxal and methylglyoxal in urine by prederivatization to lumazinic rings using in serial fast scan fluorimetric and diode array detectors. <i>Analytical Biochemistry</i> , 2007, 371, 82-91.	2.4	40
13	Determination of marker pteridines in urine by HPLC with fluorimetric detection and second-order multivariate calibration using MCR-ALS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2123-2135.	3.7	37
14	Canonical pedagogical content knowledge by CoRes for teaching acid-base chemistry at high school. <i>Chemistry Education Research and Practice</i> , 2015, 16, 603-618.	2.5	36
15	Separation of fifteen quinolones by high performance liquid chromatography: Application to pharmaceuticals and ofloxacin determination in urine. <i>Journal of Separation Science</i> , 2007, 30, 1242-1249.	2.5	35
16	The Study of Flipped-Classroom for Pre-Service Science Teachers. <i>Education Sciences</i> , 2018, 8, 163.	2.6	34
17	Determination of antitubercular drugs in urine and pharmaceuticals by LC using a gradient flow combined with programmed diode array photometric detection. <i>Talanta</i> , 2002, 58, 273-280.	5.5	33
18	Flow-through photochemically induced fluorescence optosensor for the determination of linuron. <i>Talanta</i> , 2008, 77, 852-857.	5.5	33

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19	Enhanced MCR-ALS modeling of HPLC with fast scan fluorimetric detection second-order data for quantitation of metabolic disorder marker pteridines in urine. <i>Talanta</i> , 2011, 85, 2368-2374.	5.5	33
20	Determination of marker pteridins and biopterin reduced forms, tetrahydrobiopterin and dihydrobiopterin, in human urine, using a post-column photoinduced fluorescence liquid chromatographic derivatization method. <i>Analytica Chimica Acta</i> , 2009, 648, 113-122.	5.4	32
21	HPLC determination of ciprofloxacin, cloxacillin, and ibuprofen drugs in human urine samples. <i>Journal of Separation Science</i> , 2006, 29, 1969-1976.	2.5	31
22	On line photochemically induced excitation-emission-kinetic four-way data. <i>Analytica Chimica Acta</i> , 2008, 622, 94-103.	5.4	30
23	How does a flipped classroom course affect the affective domain toward science course?. <i>Interactive Learning Environments</i> , 2021, 29, 707-719.	6.4	30
24	Kinetic determination of ansamicins in pharmaceutical formulations and human urine. Manual and semiautomatic (stopped-flow) procedures. <i>Analytica Chimica Acta</i> , 1998, 376, 365-375.	5.4	29
25	Evolución de las emociones que experimentan los estudiantes del grado de maestro en educación primaria, en didáctica de la materia y la energía. <i>Revista Eureka Sobre Enseñanza Y Divulgación De Las Ciencias</i> , 2015, 12, 550-564.	0.4	29
26	Determination of antitubercular drugs by micellar electrokinetic capillary chromatography (MEKC). <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 432-436.	3.7	27
27	Enhancing science self-efficacy and attitudes of Pre-Service Teachers (PST) through a flipped classroom learning environment. <i>Interactive Learning Environments</i> , 2022, 30, 896-907.	6.4	27
28	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.	8.2	25
29	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.	2.3	24
30	Photoinduced fluorimetric determination of folic acid and 5-methyltetrahydrofolic acid in serum using the kinetic evolution of the emission spectra accomplished with multivariate second-order calibration methods. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 827-835.	3.7	22
31	Enhanced detection of seven glucoconjugated and hydroxylated porphyrins and chlorins by nonaqueous capillary electrophoresis combined with stacking. <i>Journal of Chromatography A</i> , 2005, 1068, 123-130.	3.7	20
32	Fluorimetric Determination of Sulphaguanidine and Sulphamethoxazole by Host-Guest Complexation in β -Cyclodextrin and Partial Least Squares Calibration. <i>Journal of Fluorescence</i> , 2007, 17, 309-318.	2.5	20
33	Separation and determination of 11 marker pteridines in human urine by liquid chromatography and fluorimetric detection. <i>Journal of Separation Science</i> , 2011, 34, 1283-1292.	2.5	20
34	LC determination of biopterin reduced forms by UV-photogeneration of biopterin and fluorimetric detection. <i>Talanta</i> , 2008, 77, 844-851.	5.5	19
35	Emotional responses to innovative Science teaching methods: Acquiring emotional data in a General Science teacher education class. <i>Journal of Technology and Science Education</i> , 2018, 8, 346.	1.2	19
36	A chemometric sensor for determining sulphaguanidine residues in honey samples. <i>Talanta</i> , 2007, 73, 304-313.	5.5	17

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37	Exploring the emotions in Pedagogical Content Knowledge about the electric field. <i>International Journal of Science Education</i> , 2017, 39, 1025-1044.	1.9	17
38	Initial Characterization of Colombian High School Physics Teachers' Pedagogical Content Knowledge on Electric Fields. <i>Research in Science Education</i> , 2017, 47, 25-48.	2.3	15
39	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, 193-198.	5.5	14
40	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.	3.2	14
41	Simultaneous determination of the residues of fourteen quinolones and fluoroquinolones in fish samples using liquid chromatography with photometric and fluorescence detection. <i>Czech Journal of Food Sciences</i> , 2012, 30, 74-82.	1.2	13
42	Emotional Performance of a Low-Cost Eco-Friendly Project Based Learning Methodology for Science Education: An Approach in Prospective Teachers. <i>Sustainability</i> , 2021, 13, 3385.	3.2	12
43	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.	1.0	11
44	Effect of hydrostatic high pressure processing on nectarine halves pretreated with ascorbic acid and calcium during refrigerated storage. <i>LWT - Food Science and Technology</i> , 2013, 54, 278-284.	5.2	9
45	Improving the self-regulation in prospective science teachers: the case of the calculus of the period of a simple pendulum. <i>Heliyon</i> , 2019, 5, e02827.	3.2	9
46	Emotional performance on physics and chemistry learning: the case of Spanish K-9 and K-10 students. <i>International Journal of Science Education</i> , 2021, 43, 823-843.	1.9	9
47	La enseñanza de contenidos científicos a través de un modelo "Flipped": Propuesta de instrucciones para estudiantes del Grado de Educación Primaria. <i>Enseñanza De Las Ciencias</i> , 2017, 35, 71-87.	0.3	9
48	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.	1.2	7
49	An Exploratory Study Interrelating Emotion, Self-Efficacy and Multiple Intelligence of Prospective Science Teachers. <i>Frontiers in Education</i> , 2021, 6, .	2.1	7
50	Desarrollo del Conocimiento Didáctico del Contenido en el caso de la enseñanza de la Carga Eléctrica en Bachillerato desde la práctica de aula. <i>Revista Eureka Sobre Enseñanza Y Divulgación De Las Ciencias</i> , 2016, 13, 459-475.	0.4	7
51	Direct zonal liquid chromatographic method for the kinetic study of actinomycin-DNA binding. <i>Journal of Chromatography A</i> , 2004, 1042, 15-22.	3.7	5
52	Dificultades del Aprendizaje sobre el principio de Arquímedes en el contexto de la Flotación. <i>Revista Brasileira De Ensino De Física</i> , 2016, 38, .	0.2	5
53	Exploring Pedagogical Content Knowledge (PCK) of Physics Teachers in a Colombian Secondary School. <i>Education Sciences</i> , 2020, 10, 362.	2.6	5
54	Impact of an Active Learning Methodology on Students' Emotions and Self-Efficacy Beliefs towards the Learning of Chemical Reactions: The Case of Secondary Education Students. <i>Education Sciences</i> , 2022, 12, 347.	2.6	5

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55	Simple sensitive and simultaneous high-performance liquid chromatography method of glucoconjugated and non-glucoconjugated porphyrins and chlorins using near infra-red fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 821, 166-172.	2.3	4
56	Spectrofluorimetric Determination of 3-hidroxy-2-naphthoic Acid by Use of Its Ternary Complex with Zirconium (IV) and Beta-Cyclodextrin: Application to Determination in River Water. <i>Journal of Fluorescence</i> , 2006, 17, 23-28.	2.5	4
57	La alimentaci3n preescolar: educaci3n para la salud de los 2 a los 6 a±os. <i>Enfermeria Global</i> , 2012, 11, 337-345.	0.4	4
58	The influence of teaching methodologies in the assimilation of density concept in primary teacher trainees. <i>Heliyon</i> , 2018, 4, e00963.	3.2	4
59	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.	0.6	3
60	Detailed Emotional Profile of Secondary Education Students Toward Learning Physics and Chemistry. <i>Frontiers in Psychology</i> , 2021, 12, 659009.	2.1	3
61	Numerical simulation of the chromatographic process for direct ligandmacromolecule binding studies. <i>Journal of Chromatography A</i> , 2005, 1087, 95-103.	3.7	2
62	Ideas alternativas de los alumnos de secundaria sobre las propiedades f3sicas y qu3micas del agua. <i>Tecn3, Episteme Y Didaxis</i> , 2015, 1, 63-75.	0.1	1
63	Estudio de las emociones y sus causas en la ense±anza-aprendizaje de los seres vivos en educaci3n primaria. <i>Bio-graf3a</i> , 2019, 12, .	0.0	1
64	Autoeficacia y autoestima en la asignatura de Ciencias de la Naturaleza en Educaci3n Primaria.. <i>Investigaci3n En La Escuela</i> , 2020, , 71-83.	0.4	1
65	DESIGN OF A ROBOTIC BOARD FOR TEACHING THE WATER CYCLE. <i>EDULEARN Proceedings</i> , 2022, , .	0.0	1
66	Del evento sonoro al fen3meno f3sico. <i>Gondola</i> , 2015, 10, 102.	0.2	0
67	INVERTED INSTRUCTION METHODOLOGIES IN UNDERGRADUATE STUDIES: AN APPROACH OF USING A FLIPPED CLASSROOM SETTING IN A SCIENCE COURSE AT THE TEACHER TRAINER SCHOOL. , 2016, , .		0
68	PEER-ASSESSMENT EXPERIENCE WITH STUDENTS OF PRIMARY EDUCATION DEGREE IN A TEACHER TRAINING SCHOOL. , 2016, , .		0
69	ON THE PERFORMANCE AND PERCEPTION OF UNIVERSITY STUDENTS PLAYING THE ROLE OF ASSESSORS. TECHNOLOGY TEACHERS IN FORMATION AS CASE OF STUDY. <i>INTED Proceedings</i> , 2017, , .	0.0	0
70	SCAFFOLDING AND INTERVENTION OF WEB EDUCATION MODEL TO ASSIST SUSTAINABLE SPATIAL PLANNING FOR DESIGN STUDENTS AS INTERACTIVE AND COLLABORATIVE METHOD. , 2017, , .		0
71	ANALYSIS FROM THE COGNITIVE AND EMOTIONAL PERSPECTIVES OF A PEER-ASSESSMENT EXPERIENCE WITH PRESERVICE TEACHERS. , 2020, , .		0
72	An3lisis de las emociones en estudiantes de Educaci3n Primaria al abordar contenidos sobre âœEl ser humano y la saludâœ. <i>3pice Revista De Educaci3n Cient3fica</i> , 2022, 6, .	0.3	0