Jose A GÃ³mez-Tejedor

List of Publications by Year
in descending order

84 papers	1,380 citations	361413 20 h-index	361022 35 g-index
85 all docs	85 docs citations	85 times ranked	1718 citing authors

#	Article	IF	Citations
1	Double pion photoproduction on the nucleon: study of the isospin channels. Nuclear Physics A, 1996, 600, 413-435.	1.5	107
2	Viscoelastic Behavior of Poly(methyl methacrylate) Networks with Different Cross-Linking Degrees. Macromolecules, 2004, 37, 3735-3744.	4.8	103
3	In Vivo Evaluation of 3-Dimensional Polycaprolactone Scaffolds for Cartilage Repair in Rabbits. American Journal of Sports Medicine, 2010, 38, 509-519.	4.2	91
4	PLA/PCL electrospun membranes of tailored fibres diameter as drug delivery systems. European Polymer Journal, 2018, 99, 445-455.	5.4	85
5	A model for the Î³pâ†' Ï€+Ï€âˆ'p reaction. Nuclear Physics A, 1994, 571, 667-693.	1.5	79
6	Oscillations studied with the smartphone ambient light sensor. European Journal of Physics, 2013, 34, 1349-1354.	0.6	62
7	Relationship between micro-porosity, water permeability and mechanical behavior in scaffolds for cartilage engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 48, 60-69.	3.1	56
8	Departure from the Vogel behaviour in the glass transitionâ€"thermally stimulated recovery, creep and dynamic mechanical analysis studies. Polymer, 2004, 45, 1007-1017.	3.8	51
9	Influence of Cation and Anion Type on the Formation of the Electroactive Î²-Phase and Thermal and Dynamic Mechanical Properties of Poly(vinylidene fluoride)/Ionic Liquids Blends. Journal of Physical Chemistry C, 2019, 123, 27917-27926.	3.1	50
10	Online exams for blended assessment. Study of different application methodologies. Computers and Education, 2015, 81, 296-303.	8.3	39
11	The acoustic Doppler effect applied to the study of linear motions. European Journal of Physics, 2014, 35, 025006.	0.6	33
12	Ionic and conformational mobility in poly(vinylidene fluoride)/ionic liquid blends: Dielectric and electrical conductivity behavior. Polymer, 2018, 143, 164-172.	3.8	32
13	Biointegration of corneal macroporous membranes based on poly(ethyl acrylate) copolymers in an experimental animal model. Journal of Biomedical Materials Research - Part A, 2015, 103, 1106-1118.	4.0	31
14	An experimental fatigue study of a porous scaffold for the regeneration of articular cartilage. Journal of Biomechanics, 2015, 48, 1310-1317.	2.1	27
15	Effectiveness of flip teaching on engineering students' performance in the physics lab. Computers and Education, 2020, 144, 103708.	8.3	26
16	Electrospun PVA/Bentonite Nanocomposites Mats for Drug Delivery. Materials, 2017, 10, 1448.	2.9	25
17	Tunability of polycaprolactone hydrophilicity by carboxymethyl cellulose loading. Journal of Applied Polymer Science, 2018, 135, 46134.	2.6	25
18	Candidate Polyurethanes Based on Castor Oil (Ricinus communis), with Polycaprolactone Diol and Chitosan Additions, for Use in Biomedical Applications. Molecules, 2019, 24, 237.	3.8	25

#	Article	IF	Citations
19	Assessment of the parameters influencing the fiber characteristics of electrospun poly(ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	5.4	24
20	An â€œin vitroâ€•experimental model to predict the mechanical behavior of macroporous scaffolds implanted in articular cartilage. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 32, 125-131.	3.1	22
21	Time Evolution of in Vivo Articular Cartilage Repair Induced by Bone Marrow Stimulation and Scaffold Implantation in Rabbits. International Journal of Artificial Organs, 2015, 38, 210-223.	1.4	22
22	The study of two-dimensional oscillations using a smartphone acceleration sensor: example of Lissajous curves. Physics Education, 2015, 50, 580-586.	0.5	20
23	Polyurethane-based bioadhesive synthesized from polyols derived from castor oil (Ricinus communis) and low concentration of chitosan. Journal of Materials Research, 2017, 32, 3699-3711.	2.6	20
24	Poly(É›-caprolactone) Electrospun Scaffolds Filled with Nanoparticles. Production and Optimization According to Taguchi's Methodology. Journal of Macromolecular Science - Physics, 2014, 53, 781-799.	1.0	18
25	Influence of Polyol/Crosslinker Blend Composition on Phase Separation and Thermo-Mechanical Properties of Polyurethane Thin Films. Polymers, 2020, 12, 666.	4.5	18
26	Dynamic Mechanical Relaxation of Poly(2â€Hydroxyethyl Acrylate)â€silica Nanocomposites Obtained by the Solâ€gel Method. Journal of Macromolecular Science - Physics, 2007, 46, 43-54.	1.0	17
27	Molecular relaxation and ionic conductivity of ionic liquids confined in a poly(vinylidene fluoride) polymer matrix: Influence of anion and cation type. Polymer, 2019, 171, 58-69.	3.8	17
28	Double pion photoproduction in nuclei. Nuclear Physics A, 1995, 588, 819-828.	1.5	16
29	Assessment of parameters influencing fiber characteristics of chitosan nanofiber membrane to optimize fiber mat production. Polymer Engineering and Science, 2012, 52, 1293-1300.	3.1	16
30	Implantation of a Polycaprolactone Scaffold with Subchondral Bone Anchoring Ameliorates Nodules Formation and Other Tissue Alterations. International Journal of Artificial Organs, 2015, 38, 659-666.	1.4	16
31	Double Î” production in the Î³d â†’ pnÏ€+Ï€â^’ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 346, 240-243.	4.1	15
32	Biostable Scaffolds of Polyacrylate Polymers Implanted in the Articular Cartilage Induce Hyaline-Like Cartilage Regeneration in Rabbits. International Journal of Artificial Organs, 2017, 40, 350-357.	1.4	15
33	The amplitudes extracted from the Î³p â†’ Ï€+Ï€â^’p reaction and comparison to quark models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 39-44.	4.1	14
34	Meson exchange currents in theHe3(Î³,Ï€+)3H reaction. Physical Review C, 1996, 54, 3160-3169.	2.9	14
35	Role of Electrospinning Parameters on Poly(Lactic-co-Glycolic Acid) and Poly(Caprolactone-co-Glycolic acid) Membranes. Polymers, 2021, 13, 695.	4.5	13
36	A mesoscale model application to fire weather winds. International Journal of Wildland Fire, 1999, 9, 255.	2.4	13

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37	Effect of an organotin catalyst on the physicochemical properties and biocompatibility of castor oil-based polyurethane/cellulose composites. Journal of Materials Research, 2018, 33, 2598-2611.	2.6	12
38	Biocompatibility and Biomechanical Effect of Single Wall Carbon Nanotubes Implanted in the Corneal Stroma: A Proof of Concept Investigation. Journal of Ophthalmology, 2016, 2016, 1-8.	1.3	10
39	Polyurethanes from modified castor oil and chitosan. Journal of Elastomers and Plastics, 2018, 50, 419-434.	1.5	10
40	Data set on the effectiveness of flip teaching on engineering students' performance in the physics lab compared to Traditional Methodology. Data in Brief, 2020, 28, 104915.	1.0	10
41	Surface stiffening and enhanced photoluminescence of ion implanted cellulose â€“ polyvinyl alcohol â€“ silica composite. Carbohydrate Polymers, 2016, 153, 619-630.	10.2	9
42	An innovative bioresorbable gelatin based 3D scaffold that maintains the stemness of adipose tissue derived stem cells and the plasticity of differentiated neurons. RSC Advances, 2019, 9, 14452-14464.	3.6	9
43	Poly(ethyl methacrylate-co-hydroxyethyl acrylate) random co-polymers: Dielectric and dynamic-mechanical characterization. Journal of Non-Crystalline Solids, 2007, 353, 276-285.	3.1	8
44	Direct measurement of the speed of sound using a microphone and a speaker. Physics Education, 2014, 49, 310-313.	0.5	8
45	Fibronectin fixation on poly(ethyl acrylate)â€“based copolymers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 991-997.	3.4	7
46	Frequency analyser: A new Android application for high precision frequency measurement. Computer Applications in Engineering Education, 2015, 23, 471-476.	3.4	6
47	Quark effects, meson-exchange currents and background in the d(e, eâ€²p)Î” reaction. Nuclear Physics A, 1994, 580, 577-594.	1.5	5
48	Using a smartphone acceleration sensor to study uniform and uniformly accelerated circular motions. Revista Brasileira De Ensino De Fisica, 2014, 36, .	0.2	4
49	Hydrolytic stability and biocompatibility on smooth muscle cells of polyethylene glycolâ€“polycaprolactone-based polyurethanes. Journal of Materials Research, 2020, 35, 3276-3285.	2.6	4
50	Silica phase formed by solâ€“gel reaction in the nano- and micro-pores of a polymer hydrogel. Journal of Non-Crystalline Solids, 2013, 379, 12-20.	3.1	3
51	Characterizing the movement of a falling rigid rod. European Journal of Physics, 2015, 36, 055036.	0.6	3
52	Virtual versus real nuclear Compton scattering in the Î”(1232) region. Nuclear Physics A, 1997, 614, 521-534.	1.5	2
53	An Online Virtual Laboratory of Electricity. International Journal of Distance Education Technologies, 2008, 6, 21-34.	2.9	2
54	Fabrication of Superhydrophobic Polyethylene Parts by Rotomolding. International Polymer Processing, 2016, 31, 104-107.	0.5	2

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55	STUDENTSâ€™ PERCEPTION OF AUTO-SCORED ONLINE EXAMS IN BLENDED ASSESSMENT: FEEDBACK FOR IMPROVEMENT. EducaciÃ³n XXI, 2018, 21, .	0.8	2
56	Double Pion Production Reactions. Few-Body Systems, 1999, , 275-283.	0.2	2
57	Macroporous thin membranes for cell transplant in regenerative medicine. Biomaterials, 2015, 67, 254-263.	11.4	1
58	Prediction of the â€œin vivoâ€•mechanical behavior of biointegrable acrylic macroporous scaffolds. Materials Science and Engineering C, 2016, 61, 651-658.	7.3	1
59	Smartphone: a new device for teaching Physics. , 2015, , .		1
60	LINEAR MOMENTUM CONSERVATION: A VIRTUAL LAB EXPERIENCE. EDULEARN Proceedings, 2017, , .	0.0	1
61	EVALUATING RELIABILITY AND DISCRIMINATORY CAPABILITY OF BEMA IN TWO SPANISH ENGINEERING DEGREES. , 2019, , .		1
62	Online Learning of Electrical Circuits Through a Virtual Laboratory. Advances in Distance Education Technologies, 2010, , 94-107.	0.0	0
63	Analizador de Frecuencia: una nueva aplicaciÃ³n docente para Android. Modelling in Science Education and Learning, 2014, 7, 17.	0.2	0
64	Experimental characterisation of the motion of an inverted pendulum. , 2015, , .		0
65	VIRTUAL LABORATORY FOR STUDYING AND UNDERSTANDING THE RELATIONSHIPS AMONG PHYSICAL QUANTITIES. , 2016, , .		0
66	SMARTPHONE FOR TEACHING EXPERIMENTAL PHYSICS. , 2016, , .		0
67	STUDENTSâ€™ PERCEPTION OF SCREENCAST FOR PHYSICS LEARNING. , 2016, , .		0
68	SCREENCAST VIDEOS AS A TOOL TO ENHANCE THE TEACHING OF PHYSICS. EDULEARN Proceedings, 2016, , .	0.0	0
69	PercepciÃ³n de los estudiantes sobre la utilizaciÃ³n de screencast en la enseÃ±anza de la fÃsica. , 0, , .		0
70	STUDY OF TWO-DIMENSIONAL COUPLED OSCILLATIONS USING A SMARTPHONE ACCELERATION SENSOR FOR PHYSICS TEACHING. , 2016, , .		0
71	A 3D VIRTUAL LAB ON VECTOR OPERATIONS AND THEIR PROPERTIES. INTED Proceedings, 2017, , .	0.0	0
72	DiseÃ±o y evaluaciÃ³n de un laboratorio virtual de vectores en 3D. , 0, , .		0

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73	ValoraciÃ³n del alumnado sobre distintos formatos de vÃdeos utilizados en docencia inversa en prÃ¡cticas de laboratorio.. , 0, , .		0
74	ANALYSIS OF THE USE OF VIDEOS AS PART OF FLIP TEACHING IN LABORATORY SESSIONS IN ENGINEERING DEGREES. , 2017, , .		0
75	A VIRTUAL LAB ON MECHANICAL AND ELECTRICAL COMPOSITION OF HARMONIC OSCILLATIONS OF THE SAME FREQUENCY. , 2017, , .		0
76	DiseÃ±o y evaluaciÃ³n de un laboratorio virtual para visualizar momentos de un vector deslizante en 3D. , 0, , .		0
77	STUDENTS' OPINION ABOUT A TEACHING MODEL BASED ON TEAM WORK, CONTINUOUS FORMATIVE EVALUATION AND FLIP TEACHING ORGANIZED THROUGH AN E-LEARNING PLATFORM. , 2018, , .		0
78	VIRTUAL LABORATORY ON WAVE REFLECTION IN CONIC CURVES. , 2018, , .		0
79	Is the Lessons tool useful to support students learning?. , 0, , .		0
80	MEASURING INNOVATION EFFECTIVENESS BY MEANS OF A CONCEPTUAL TEST OF ELECTRICITY AND MAGNETISM. INTED Proceedings, 2019, , .	0.0	0
81	ASSESSING OUTCOMES IN ELECTRICITY AND MAGNETISM COURSES IN ENGINEERING DEGREES. STUDENTSâ€™ PERFORMANCE ANALYSED BY BEMA. , 2019, , .		0
82	UtilizaciÃ³n de Lessons como herramienta de apoyo a la docencia inversa en la asignatura de BiofÃsica. , 0, , .		0
83	PERFORMANCE ANALYSIS BY BEMA OF ELECTRICITY AND MAGNETISM COURSES IN ENGINEERING DEGREES USING FLIP TEACHING METHODOLOGIES. , 2019, , .		0
84	EFFECT OF THE USE OF VIDEOS IN THE PRE-CLASS PREPARATION OF LABORATORY SESSIONS TAUGHT BY FLIP TEACHING. INTED Proceedings, 2020, , .	0.0	0