Isabel Escobar

List of Publications by Year
in descending order

41 papers	277 citations	932766 10 h-index	887659 17 g-index
41 all docs	41 docs citations	41 times ranked	245 citing authors

#	Article	IF	Citations
1	Comment on â€œmultivariable quantitative relation between cell viability and the exposure parameters of 9.33 GHz RF-EMP irradiationâ€• Electromagnetic Biology and Medicine, 2022, 41, 118-119.	0.7	0
2	Physical units to report intensity of electromagnetic wave. Environmental Research, 2022, 204, 112341.	3.7	13
3	Comment on Martin L. Pall â€œMillimeter (MM) wave and microwave frequency radiation produce deeply penetrating effects: the biology and the physicsâ€, Rev Environ Health, 2021. Reviews on Environmental Health, 2022, .	1.1	0
4	PHYSICS LABORATORY PRACTICES. AN EXPERIENCE AND APPROACH FOR PHYSICS TEACHING. INTED Proceedings, 2022, , .	0.0	0
5	STUDIES ON THE COMPLEXITY OF THE BRAZILIAN HIGH SCHOOL EXAM. INTED Proceedings, 2022, , .	0.0	0
6	Comment on â€˜How long is my toilet roll-a simple exercise in mathematical modellingâ€™. International Journal of Mathematical Education in Science and Technology, 2021, 52, 1407-1412.	0.8	0
7	Personal Exposure Assessment to Wi-Fi Radiofrequency Electromagnetic Fields in Mexican Microenvironments. International Journal of Environmental Research and Public Health, 2021, 18, 1857.	1.2	20
8	RUBRIC AS A COMPETENCE-ASSESSMENT TOOL AND CUSTOMIZED FEEDBACK: PLATFORMS FACILITATING ELABORATION. , 2021, , .		0
9	HOW DO PUPILS STUDY PHYSICS? DO THEY REALLY USE TEXTBOOKS?. , 2021, , .		0
10	Comment on: What is the radiation before 5G? A correlation study between measurements in situ and in real time and epidemiological indicators in Vallecas, Madrid, by I. LÃ³pez, N. FÃ©lix, M. Rivera, A. Alonso, and C. MaestÃº. Environmental Research, 2021, , 112138.	3.7	1
11	An indirect measurement of the speed of light in a General Physics Laboratory. Journal of King Saud University - Science, 2020, 32, 2797-2802.	1.6	1
12	Measurements and Analysis of Personal Exposure to Radiofrequency Electromagnetic Fields at Outdoor and Indoor School Buildings: A Case Study at a Spanish School. IEEE Access, 2020, 8, 195692-195702.	2.6	22
13	Georeferencing of Personal Exposure to Radiofrequency Electromagnetic Fields from Wi-Fi in a University Area. International Journal of Environmental Research and Public Health, 2020, 17, 1898.	1.2	24
14	Linear Quadrupole Magnetic Field Measured with a Smartphone. Physics Teacher, 2020, 58, 182-185.	0.2	7
15	DESIGN AND IMPLEMENTATION OF RUBRIC FOR THE EVALUATION BY COMPETENCES IN PHYSICAL SCIENCES: CASE STUDY PUC-MG, BRAZIL. , 2020, , .		0
16	BRAZILIAN NATIONAL PROGRAM OF EDUCATIONAL BOOKS FOR PHYSICS, CHEMISTRY, AND BIOLOGY: CONSOLIDATION OF AN EDITORIAL POLICY. INTED Proceedings, 2020, , .	0.0	0
17	Comment on â€œThe Use of Pulsed Electromagnetic Fields to Promote Bone Responses to Biomaterials In Vitro and In Vivoâ€• International Journal of Biomaterials, 2019, 2019, 1-3.	1.1	1
18	Development of a laboratory practice for physics introductory courses using a rubric for evaluation by competences. Journal of Physics: Conference Series, 2019, 1287, 012025.	0.3	0

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19	RUBRIC ELABORATION TO EVALUATE BY COMPETENCES A PRACTICE OF PHYSICS LABORATORY: PARALLEL-PLATE CAPACITOR. , 2019, , .		0
20	RESULTS OF APPLICATION OF A RUBRIC FOR THE EVALUATION BY COMPETENCES: MEASUREMENT OF THE MAGNETIC FIELD OF SMALL MAGNETS WITH A SMARTPHONE. INTED Proceedings, 2019, , .	0.0	0
21	Comment on â€œWi-Fi is an important threat to human healthâ€• Environmental Research, 2018, 167, 639.	3.7	19
22	CASE-BASED LEARNING IN MATERIALS ENGINEERING: THE OUIJA BOARD OF THE DEVIL. , 2018, , .		0
23	AN INNOVATIVE PRACTICE IN THE PHYSICS LABORATORY: RADIOFREQUENCY ELECTROMAGNETIC FIELDS PERSONAL EXPOSURE. INTED Proceedings, 2018, , .	0.0	0
24	THE USE OF CONCEPTUAL MAPS IN SOLVING PHYSICS PROBLEMS. , 2018, , .		0
25	ELABORATION OF RUBRICS FOR THE EVALUATION BY COMPETENCES OF PHYSICS IN THE UNIVERSITY. INTED Proceedings, 2018, , .	0.0	2
26	TEACHING AND LEARNING ACTIVE PHYSICS WITHIN FRAMEWORK OF COMPETENCIES. INTED Proceedings, 2017, , .	0.0	1
27	THE SCIENTIFIC LEARNING ACCORDING TO VIGOTSKY. , 2017, , .		1
28	Reply to Comment on â€˜Measurement of the magnetic field of small magnets with a smartphone: a very economical laboratory practice for introductory physics coursesâ€™. European Journal of Physics, 2016, 37, 028002.	0.3	3
29	THE MULTIDISCIPLINARY APPLICATION SEMINAR IN ENGINEERING AS STAGE FOR DEVELOPMENT OF HIGHER ORDER COGNITIVE SKILLS. INTED Proceedings, 2016, , .	0.0	1
30	A CONCEPTUAL MAP ABOUT ALTERNATING CURRENT CIRCUITS. INTED Proceedings, 2016, , .	0.0	2
31	LEARNING PHYSICS WITH WOLFRAM ALPHA. , 2016, , .		0
32	Measurement of the magnetic field of small magnets with a smartphone: a very economical laboratory practice for introductory physics courses. European Journal of Physics, 2015, 36, 065002.	0.3	66
33	Shaded-Mask Filtering for Extended Depth-of-Field Microscopy. Journal of Information and Communication Convergence Engineering, 2013, 11, 139-146.	0.2	5
34	New Analytical Tools for Evaluation of Spherical Aberration in Optical Microscopy. , 2011, , 85-99.		1
35	Reduction of spherical-aberration impact in microscopy by wavefront coding. Optics Express, 2009, 17, 13810.	1.7	32
36	Simple demonstration of the impact of spherical aberration on optical imaging. European Journal of Physics, 2008, 29, 619-627.	0.3	1

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37	Point-spread-function Engineering in High-NA Optical Scanning Microscopy: Desensitizing to Sample-induced Aberrations. AIP Conference Proceedings, 2007, , .	0.3	0
38	Reduction of the spherical aberration effect in high-numerical-aperture optical scanning instruments. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 3150.	0.8	24
39	Reduction of focus size in tightly focused linearly polarized beams. Applied Physics Letters, 2004, 85, 4319.	1.5	19
40	Optical-sectioning improvement in two-color excitation scanning microscopy. Microscopy Research and Technique, 2004, 64, 96-102.	1.2	11
41	ComentÃ¡rio sobre RadiaÃ§Ã£o de baixa frequÃªncia e possÃvel influÃªncia nociva a sistemas biolÃ³gicos. Revista Brasileira De Ensino De Fisica, 0, 42, .	0.2	0