

# Jesus Martinez-Perdiguero

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

735  
citations

643344

15  
h-index

591227

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1058  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the molecular origins of the ferroelectric splay nematic phase. Nature Communications, 2021, 12, 4962.	5.8	61
2	Fermion-like behavior of elements/agents in their spatial distribution around points of interest. Physica A: Statistical Mechanics and Its Applications, 2020, 557, 124905.	1.2	1
3	Optimized sample addressing in prism-coupled surface plasmon resonance experiments. Optics and Laser Technology, 2020, 129, 106240.	2.2	1
4	Combining strategies to make General Physics lectures more attractive and to improve students' performances. Journal of Physics: Conference Series, 2019, 1287, 012027.	0.3	0
5	On a Common Mistake in the Description of the Photoelectric Effect. Physics Teacher, 2019, 57, 536-537.	0.2	1
6	TRAINING PHYSICS STUDENTS' INTUITION THROUGH DAILY-LIFE RELATED EXPERIMENTS. , 2018, , .		1
7	LEARNING PHYSICS FROM WRONG PRECONCEPTIONS THROUGH DAILY-LIFE RELATED EXPERIMENTS. INTED Proceedings, 2018, , .	0.0	1
8	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. Procedia Technology, 2017, 27, 17-20.	1.1	0
9	THE USE OF MOODLE QUIZZES BY STUDENTS OF FIRST YEAR PHYSICS IN THE UNIVERSITY: MANDATORY VERSUS OPTIONAL QUIZZES. , 2017, , .		1
10	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breast Cancer Related Receptors in Raw Cell Lysates.. Electroanalysis, 2016, 28, 1787-1794.	1.5	15
11	Estrogen receptor $\beta$ determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. Sensing and Bio-Sensing Research, 2016, 7, 71-76.	2.2	30
12	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. Analytica Chimica Acta, 2016, 905, 156-162.	2.6	73
13	Organic distributed feedback laser for label-free biosensing of ErbB2 protein biomarker. Sensors and Actuators B: Chemical, 2016, 223, 261-265.	4.0	28
14	Electrical insulation and breakdown properties of SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> thin multilayer films deposited on stainless steel by physical vapor deposition. Thin Solid Films, 2015, 595, 171-175.	0.8	16
15	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. Biosensors and Bioelectronics, 2015, 70, 34-41.	5.3	52
16	Disposable microfluidic immuno-biochip for rapid electrochemical detection of tumor necrosis factor alpha biomarker. Sensors and Actuators B: Chemical, 2015, 221, 1406-1411.	4.0	40
17	Surface plasmon resonance immunoassay for the detection of the TNF $\alpha$ biomarker in human serum. Talanta, 2014, 119, 492-497.	2.9	59
18	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. Analytica Chimica Acta, 2014, 838, 37-44.	2.6	50

#	ARTICLE	IF	CITATIONS
19	Real-Time Label-Free Surface Plasmon Resonance Biosensing with Gold Nanohole Arrays Fabricated by Nanoimprint Lithography. <i>Sensors</i> , 2013, 13, 13960-13968.	2.1	27
20	Real-Time Label-Free Impedimetric Protein Detection Using Interdigitated Gold Microelectrodes and Flow Injection Analysis. <i>Procedia Engineering</i> , 2012, 47, 1390-1393.	1.2	2
21	Enhanced Transmission through Gold Nanohole Arrays Fabricated by Thermal Nanoimprint Lithography for Surface Plasmon Based Biosensors. <i>Procedia Engineering</i> , 2012, 47, 805-808.	1.2	8
22	Electric-field-induced phase transitions in bent-core mesogens determined by x-ray diffraction. <i>Physical Review E</i> , 2011, 84, 021707.	0.8	21
23	The SmA phase of a bent-core V-shaped compound: structure and electric-field response. <i>Liquid Crystals</i> , 2010, 37, 1465-1470.	0.9	12
24	Pseudolayered structure of the columnar B1 phase of bent-core liquid crystals. <i>Physical Review E</i> , 2010, 82, 041706.	0.8	13
25	Bent-core liquid crystals in a route to efficient organic nonlinear optical materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 2965.	6.7	68
26	Second harmonic generation in laterally azo-bridged H-shaped ferroelectric dimesogens. <i>Journal of Materials Chemistry</i> , 2010, 20, 4905.	6.7	12
27	Domain growth in 2d: exact results, simulations and experiments. , 2009, , .		0
28	Laterally Azo-Bridged H-Shaped Ferroelectric Dimesogens for Second-Order Nonlinear Optics: Ferroelectricity and Second Harmonic Generation. <i>Journal of the American Chemical Society</i> , 2009, 131, 18386-18392.	6.6	40
29	Local structure of the B4 phase studied by second harmonic generation and X-ray diffraction measurements. <i>Journal of Materials Chemistry</i> , 2009, 19, 5161.	6.7	13
30	TTF-based bent-core liquid crystals. <i>Chemical Communications</i> , 2008, , 2523.	2.2	22
31	Polar structures of bent-core liquid crystals with tetrathiafulvalene units. <i>Physical Review E</i> , 2008, 78, 041701.	0.8	7
32	Experimental Test of Curvature-Driven Dynamics in the Phase Ordering of a Two Dimensional Liquid Crystal. <i>Physical Review Letters</i> , 2008, 101, 197801.	2.9	25
33	Bent-core liquid-crystalline derivative of tetrathiafulvalene: Photoresponsivity and deracemization. <i>Physical Review E</i> , 2008, 77, 020701.	0.8	7
34	Characteristics of a liquid crystal display using optically isotropic phases of bent-core mesogens. <i>Liquid Crystals</i> , 2007, 34, 655-658.	0.9	12
35	Some aspects about the structure of the optically isotropic phase in a bent-core liquid crystal: Chiral, polar, or steric origin. <i>Physical Review E</i> , 2006, 74, 031701.	0.8	16