

# Jesus Martinez-Perdiguero

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6776715/publications.pdf>

Version: 2024-02-01

35  
papers

735  
citations

567281

15  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. <i>Analytica Chimica Acta</i> , 2016, 905, 156-162.	5.4	73
2	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
3	On the molecular origins of the ferroelectric splay nematic phase. <i>Nature Communications</i> , 2021, 12, 4962.	12.8	61
4	Surface plasmon resonance immunoassay for the detection of the TNF $\alpha$ biomarker in human serum. <i>Talanta</i> , 2014, 119, 492-497.	5.5	59
5	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2015, 70, 34-41.	10.1	52
6	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. <i>Analytica Chimica Acta</i> , 2014, 838, 37-44.	5.4	50
7	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.	13.7	40
8	Disposable microfluidic immuno-biochip for rapid electrochemical detection of tumor necrosis factor alpha biomarker. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1406-1411.	7.8	40
9	Estrogen receptor $\alpha$ determination in serum, cell lysates and breast cancer cells using an amperometric magnetoimmunosensing platform. <i>Sensing and Bio-Sensing Research</i> , 2016, 7, 71-76.	4.2	30
10	Organic distributed feedback laser for label-free biosensing of ErbB2 protein biomarker. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 261-265.	7.8	28
11	Real-Time Label-Free Surface Plasmon Resonance Biosensing with Gold Nanohole Arrays Fabricated by Nanoimprint Lithography. <i>Sensors</i> , 2013, 13, 13960-13968.	3.8	27
12	Experimental Test of Curvature-Driven Dynamics in the Phase Ordering of a Two Dimensional Liquid Crystal. <i>Physical Review Letters</i> , 2008, 101, 197801.	7.8	25
13	TTF-based bent-core liquid crystals. <i>Chemical Communications</i> , 2008, , 2523.	4.1	22
14	Electric-field-induced phase transitions in bent-core mesogens determined by x-ray diffraction. <i>Physical Review E</i> , 2011, 84, 021707.	2.1	21
15	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.	2.1	16
16	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. <i>Thin Solid Films</i> , 2015, 595, 171-175.	1.8	16
17	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breast Cancer Related Receptors in Raw Cell Lysates. <i>Electroanalysis</i> , 2016, 28, 1787-1794.	2.9	15
18	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

#	ARTICLE	IF	CITATIONS
19	Pseudolayered structure of the columnar B1 phase of bent-core liquid crystals. <i>Physical Review E</i> , 2010, 82, 041706.	2.1	13
20	Characteristics of a liquid crystal display using optically isotropic phases of bent-core mesogens. <i>Liquid Crystals</i> , 2007, 34, 655-658.	2.2	12
21	The SmA phase of a bent-core V-shaped compound: structure and electric-field response. <i>Liquid Crystals</i> , 2010, 37, 1465-1470.	2.2	12
22	Second harmonic generation in laterally azo-bridged H-shaped ferroelectric dimesogens. <i>Journal of Materials Chemistry</i> , 2010, 20, 4905.	6.7	12
23	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
24	Polar structures of bent-core liquid crystals with tetrathiafulvalene units. <i>Physical Review E</i> , 2008, 78, 041701.	2.1	7
25	Bent-core liquid-crystalline derivative of tetrathiafulvalene: Photoresponsivity and deracemization. <i>Physical Review E</i> , 2008, 77, 020701.	2.1	7
26	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
27	On a Common Mistake in the Description of the Photoelectric Effect. <i>Physics Teacher</i> , 2019, 57, 536-537.	0.3	1
28	Fermion-like behavior of elements/agents in their spatial distribution around points of interest. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 557, 124905.	2.6	1
29	Optimized sample addressing in prism-coupled surface plasmon resonance experiments. <i>Optics and Laser Technology</i> , 2020, 129, 106240.	4.6	1
30	TRAINING PHYSICS STUDENTS' INTUITION THROUGH DAILY-LIFE RELATED EXPERIMENTS. , 2018, , .		1
31	THE USE OF MOODLE QUIZZES BY STUDENTS OF FIRST YEAR PHYSICS IN THE UNIVERSITY: MANDATORY VERSUS OPTIONAL QUIZZES. , 2017, , .		1
32	LEARNING PHYSICS FROM WRONG PRECONCEPTIONS THROUGH DAILY-LIFE RELATED EXPERIMENTS. <i>INTED Proceedings</i> , 2018, , .	0.0	1
33	Domain growth in 2d: exact results, simulations and experiments. , 2009, , .		0
34	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , 2017, 27, 17-20.	1.1	0
35	Combining strategies to make General Physics lectures more attractive and to improve students' performances. <i>Journal of Physics: Conference Series</i> , 2019, 1287, 012027.	0.4	0