

# Cesar Pascual Garcia

## List of Publications by Year in descending order

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45  
papers

1,406  
citations

393982

19  
h-index

329751

37  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent toxicity and cell interaction mechanisms of gold nanoparticles on mouse fibroblasts. <i>Toxicology Letters</i> , 2013, 217, 205-216.	0.4	297
2	Gold Nanoparticles Downregulate Interleukin-1 $\beta$ -Induced Pro-inflammatory Responses. <i>Small</i> , 2013, 9, 472-477.	5.2	165
3	Separation and characterization of gold nanoparticle mixtures by flow-field-flow fractionation. <i>Journal of Chromatography A</i> , 2011, 1218, 4234-4239.	1.8	95
4	Recombination-Limited Energy Relaxation in a Bardeen-Cooper-Schrieffer Superconductor. <i>Physical Review Letters</i> , 2009, 102, 017003.	2.9	85
5	Effects of Silver Nanoparticles in Diatom <i>Thalassiosira pseudonana</i> and Cyanobacterium <i>Synechococcus</i> sp.. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11336-11344.	4.6	82
6	A molecular state of correlated electrons in a quantum dot. <i>Nature Physics</i> , 2008, 4, 467-471.	6.5	70
7	Microwave-assisted synthesis of silver nanoprisms/nanoplates using a "modified polyol process". <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 395, 145-151.	2.3	67
8	Silica nanoparticle uptake induces survival mechanism in A549 cells by the activation of autophagy but not apoptosis. <i>Toxicology Letters</i> , 2014, 224, 84-92.	0.4	64
9	Analytical techniques for multiplex analysis of protein biomarkers. <i>Expert Review of Proteomics</i> , 2020, 17, 257-273.	1.3	60
10	Colony Forming Efficiency and microscopy analysis of multi-wall carbon nanotubes cell interaction. <i>Toxicology Letters</i> , 2010, 197, 29-37.	0.4	52
11	Evidence of Correlation in Spin Excitations of Few-Electron Quantum Dots. <i>Physical Review Letters</i> , 2005, 95, 266806.	2.9	47
12	Morphological transformation induced by multiwall carbon nanotubes on Balb/3T3 cell model as an <i>in vitro</i> end point of carcinogenic potential. <i>Nanotoxicology</i> , 2013, 7, 221-233.	1.6	37
13	Manipulation and Generation of Supercurrent in Out-of-Equilibrium Josephson Tunnel Nanojunctions. <i>Physical Review Letters</i> , 2008, 101, 077004.	2.9	33
14	High Aspect Ratio Fin-Ion Sensitive Field Effect Transistor: Compromises toward Better Electrochemical Biosensing. <i>Nano Letters</i> , 2019, 19, 2879-2887.	4.5	25
15	Josephson current in nanofabricated V/Cu/V mesoscopic junctions. <i>Applied Physics Letters</i> , 2009, 94, 132508.	1.5	24
16	1.26 $\mu$ m intersubband transitions in In <sub>0.3</sub> Ga <sub>0.7</sub> As/AlAs quantum wells. <i>Applied Physics Letters</i> , 2000, 77, 3767-3769.	1.5	21
17	Microscopic Analysis of the Interaction of Gold Nanoparticles with Cells of the Innate Immune System. <i>Scientific Reports</i> , 2013, 3, .	1.6	21
18	Photoluminescence of individual doped GaAs $\delta$ -AlGaAs nanofabricated quantum dots. <i>Applied Physics Letters</i> , 2007, 90, 181902.	1.5	20

#	ARTICLE	IF	CITATIONS
19	High performance Fin-FET electrochemical sensor with high-k dielectric materials. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127215.	4.0	20
20	Detection of Silver Nanoparticles inside Marine Diatom <i>Thalassiosira pseudonana</i> by Electron Microscopy and Focused Ion Beam. <i>PLoS ONE</i> , 2014, 9, e96078.	1.1	16
21	Electrochemical Control of pH in Nanoliter Volumes. <i>Nano Letters</i> , 2018, 18, 2807-2815.	4.5	15
22	Combining Chemical Functionalization and FinFET Geometry for Field Effect Sensors as Accessible Technology to Optimize pH Sensing. <i>Chemosensors</i> , 2021, 9, 20.	1.8	10
23	Comprehensive Analytical Modelling of an Absolute pH Sensor. <i>Sensors</i> , 2021, 21, 5190.	2.1	9
24	Carrier and light trapping in graded quantum-well laser structures. <i>Applied Physics Letters</i> , 2000, 76, 3540-3542.	1.5	8
25	Silver nanoparticles induce cytotoxicity, but not cell transformation or genotoxicity on Balb3T3 mouse fibroblasts. <i>BioNanoMaterials</i> , 2013, 14, 49-60.	1.4	8
26	Influence of polymerisation on the reversibility of low-energy proton exchange reactions by Para-Aminothiophenol. <i>Scientific Reports</i> , 2017, 7, 15401.	1.6	8
27	The influence of geometry and other fundamental challenges for bio-sensing with field effect transistors. <i>Biophysical Reviews</i> , 2019, 11, 757-763.	1.5	8
28	Single step fabrication of Silicon resistors on SOI substrate used as Thermistors. <i>Scientific Reports</i> , 2019, 9, 2835.	1.6	7
29	Assessing the Effect of Scaling High-Aspect-Ratio ISFET with Physical Model Interface for Nano-Biosensing Application. <i>Solid-State Electronics</i> , 2022, 195, 108374.	0.8	7
30	Optical Control of Energy-Level Structure of Few Electrons in AlGaAs/GaAs Quantum Dots. <i>Nano Letters</i> , 2008, 8, 577-581.	4.5	5
31	Observation of low-lying excitations of electrons in coupled quantum dots. <i>Applied Physics Letters</i> , 2006, 88, 113105.	1.5	4
32	Nanopatterned submicron pores as a shield for nonspecific binding in surface plasmon resonance-based sensing. <i>Analyst</i> , 2012, 137, 5251.	1.7	4
33	Spin excitations in few-electrons AlGaAs/GaAs quantum dots probed by inelastic light scattering. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 34, 304-307.	1.3	3
34	Correlated states and spin transitions in nanofabricated AlGaAs/GaAs few-electron quantum dots probed by inelastic light scattering. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1867-1869.	1.3	2
35	Probing collective modes of correlated states of few electrons in semiconductor quantum dots. <i>Solid State Communications</i> , 2009, 149, 1436-1442.	0.9	2
36	Universal control of protons concentration using electrochemically generated acid compatible with miniaturization. <i>Nanoscale Advances</i> , 0, , .	2.2	2

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37	Optical study of the one-dimensional electron gas in cleaved-edge-overgrown semiconductor quantum wires. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 12, 722-725.	1.3	1
38	Chemical modification and patterning of self assembled monolayers using scanning electron and ion-beam lithography. <i>Microelectronic Engineering</i> , 2011, 88, 1948-1950.	1.1	1
39	TCAD Simulations of High-Aspect-Ratio Nano-biosensor for Label-Free Sensing Application. , 2021, , .		1
40	Star-like gold nanoparticles as highly active substrate for surface enhanced Raman spectroscopy. , 2013, , .		0
41	Redox Active Self-Assembled Monolayer Functioning as a pH Actuator. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
42	Redox Active Polymer as a pH Actuator on a Re-Sealable Microfluidic Platform. <i>Journal of Material Science &amp; Engineering</i> , 2018, 07, .	0.2	0
43	Probing spin states in AlGaAs/GaAs few-electron quantum dots by inelastic light scattering. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
44	Out-Of-Equilibrium Josephson Effect in Superconducting Tunnel Nanojunctions. , 2008, , .		0
45	New opportunities for nanotechnology in the field of diagnostics based on proteomics. <i>Frontiers in Nanoscience and Nanotechnology</i> , 2019, 5, .	0.3	0