

# Manel LÃ³pez

## List of Publications by Year in descending order

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16  
papers

458  
citations

840119

11  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructure ITO and Get More of It. Better Performance at Lower Cost. <i>Nanomaterials</i> , 2020, 10, 1974.	1.9	7
2	Tuning the deposition parameters for optimizing the faradaic and non-faradaic electrochemical performance of nanowire array-shaped ITO electrodes prepared by electron beam evaporation. <i>Nanoscale</i> , 2019, 11, 276-284.	2.8	10
3	Subpixel real-time jitter detection algorithm and implementation for polarimetric and helioseismic imager. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.0	1
4	Novel nanostructured indium tin oxide electrode for electrochemical immunosensors: Suitability for the detection of TNF- $\alpha$ . <i>Electrochimica Acta</i> , 2018, 283, 1632-1639.	2.6	25
5	Electrochemical characterization of organosilane-functionalized nanostructured ITO surfaces. <i>Applied Physics Letters</i> , 2016, 109, 063109.	1.5	7
6	Large areain situfabrication of poly(pyrrole)-nanowires on flexible thermoplastic films using nanocontact printing. <i>Materials Research Express</i> , 2016, 3, 085018.	0.8	1
7	Organosilane-functionalization of nanostructured indium tin oxide films. <i>Interface Focus</i> , 2016, 6, 20160056.	1.5	16
8	Field effect luminescence from Si nanocrystals obtained by plasma-enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , 2006, 89, 051112.	1.5	65
9	Optical and electrical properties of Si-nanocrystals ion beam synthesized in SiO <sub>2</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 216, 213-221.	0.6	54
10	Elucidation of the surface passivation role on the photoluminescence emission yield of silicon nanocrystals embedded in SiO <sub>2</sub> . <i>Applied Physics Letters</i> , 2002, 80, 1637-1639.	1.5	117
11	Optical and structural characterization of Si nanocrystals ion beam synthesized in SiO <sub>2</sub> : correlation between the surface passivation and the photoluminescence emission. <i>Solid-State Electronics</i> , 2001, 45, 1495-1504.	0.8	19
12	Kinetic study of group IV nanoparticles ion beam synthesized in SiO <sub>2</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2001, 178, 17-24.	0.6	63
13	Model for efficient visible emission from Si nanocrystals ion beam synthesized in SiO <sub>2</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2001, 178, 89-92.	0.6	18
14	Ostwald ripening of Ge precipitates elaborated by ion implantation in SiO <sub>2</sub> . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 69-70, 380-385.	1.7	16
15	Ion beam synthesis of semiconductor nanoparticles for Si based optoelectronic devices. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2000, 161-163, 904-908.	0.6	15
16	Ion-beam synthesis and structural characterization of ZnS nanocrystals in SiO <sub>2</sub> . <i>Applied Physics Letters</i> , 1998, 72, 3488-3490.	1.5	24