

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