MarÃ-a del Carmen Torquemada

List of Publications by Year
in descending order

26 papers	569 citations	933447 10 h-index	839539 18 g-index
26 all docs	26 docs citations	26 times ranked	595 citing authors

#	Article	IF	Citations
1	APTES-Based Silica Nanoparticles as a Potential Modifier for the Selective Sequestration of CO2 Gas Molecules. Nanomaterials, 2021, 11, 2893.	4.1	11
2	2-D organization of silica nanoparticles on gold surfaces: CO₂marker detection and storage. RSC Advances, 2020, 10, 31758-31764.	3.6	6
3	Steam-Resistant Optical Materials for Use in Diagnostic Mirrors for ITER. IEEE Transactions on Plasma Science, 2020, 48, 1619-1624.	1.3	5
4	Multicolour PbSe sensors for analytical applications. Sensors and Actuators B: Chemical, 2014, 190, 464-471.	7.8	16
5	Monolithic integration of uncooled PbSe bicolor detectors. Sensors and Actuators A: Physical, 2013, 199, 297-303.	4.1	7
6	Fast uncooled low density FPA of VPD PbSe. Proceedings of SPIE, 2009, , .	0.8	3
7	Monolithic uncooled IR detectors of polycrystalline PbSe: a real alternative. , 2007, 6542, 713.		16
8	Polycrystalline lead selenide: the resurgence of an old infrared detector. Opto-electronics Review, 2007, 15, .	2.4	32
9	A 32x32 array of polycrystalline PbSe opens up the market of very low cost MWIR sensitive photon detectors. , 2006, , .		8
10	Progress on monolithic integration of cheap IR FPAs of polycrystalline PbSe. , 2005, , .		8
11	Process technology to integrate polycrystalline uncooled PbSe infrared detectors on interference filters. , 2004, 5251, 97.		3
12	Progress on uncooled PbSe detectors for low-cost applications. , 2004, , .		8
13	Polycrystalline lead selenide xâ€“y addressed uncooled focal plane arrays. Infrared Physics and Technology, 2003, 44, 281-287.	2.9	22
14	Role of halogens in the mechanism of sensitization of uncooled PbSe infrared photodetectors. Journal of Applied Physics, 2003, 93, 1778-1784.	2.5	71
15	Monolithic integration of spectrally selective uncooled lead selenide detectors for low cost applications. Applied Physics Letters, 2003, 83, 2751-2753.	3.3	25
16	Polycrystalline PbSe x-y addressed uncooled FPAs. , 2003, , .		16
17	PbSe photodetector arrays for IR sensors. Thin Solid Films, 1998, 317, 425-428.	1.8	54
18	The interaction of Pt with TiO2(110) surfaces: a comparative XPS, UPS, ISS, and ESD study. Surface Science, 1996, 345, 261-273.	1.9	208

#	Article	IF	Citations
19	Thermal stability of ESD of O+ ions ejected from TiO2(110). Vacuum, 1995, 46, 1219-1222.	3.5	0
20	ESD study of CO reactivity with TiO 2 (110) + Ta defective surface. Surface Science, 1995, 331-333, 219-224.	1.9	4
21	Reactivity of CO on a TiO2(110) defective surface studied by electron stimulated desorption. Surface Science, 1995, 337, 31-39.	1.9	20
22	Ion kinetic energy distribution of electron stimulated desorption of O+ from TiO2(110)â€“SO2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2318-2322.	2.1	13
23	Characterization of YBa2Cu3O7â˜x by electron-stimulated desorption. Vacuum, 1994, 45, 1081-1083.	3.5	0
24	An ESD and ESDIAD investigation of TiO2(110)-SO2. Surface Science, 1993, 287-288, 386-390.	1.9	7
25	Electron-stimulated desorption of O+from SO2and CO adsorbed on TiO2(110). Journal of Physics Condensed Matter, 1993, 5, A139-A142.	1.8	5
26	Electron Stimulated Desorption of O+ from TiO2(110)-SO2. Springer Series in Surface Sciences, 1993, , 289-292.	0.3	1