

# MarÃ-a del Carmen Torquemada

## List of Publications by Year in descending order

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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	The interaction of Pt with TiO <sub>2</sub> (110) surfaces: a comparative XPS, UPS, ISS, and ESD study. Surface Science, 1996, 345, 261-273.	1.9	208
2	Role of halogens in the mechanism of sensitization of uncooled PbSe infrared photodetectors. Journal of Applied Physics, 2003, 93, 1778-1784.	2.5	71
3	PbSe photodetector arrays for IR sensors. Thin Solid Films, 1998, 317, 425-428.	1.8	54
4	Polycrystalline lead selenide: the resurgence of an old infrared detector. Opto-electronics Review, 2007, 15, .	2.4	32
5	Monolithic integration of spectrally selective uncooled lead selenide detectors for low cost applications. Applied Physics Letters, 2003, 83, 2751-2753.	3.3	25
6	Polycrystalline lead selenide x-y addressed uncooled focal plane arrays. Infrared Physics and Technology, 2003, 44, 281-287.	2.9	22
7	Reactivity of CO on a TiO <sub>2</sub> (110) defective surface studied by electron stimulated desorption. Surface Science, 1995, 337, 31-39.	1.9	20
8	Polycrystalline PbSe x-y addressed uncooled FPAs. , 2003, , .		16
9	Monolithic uncooled IR detectors of polycrystalline PbSe: a real alternative. , 2007, 6542, 713.		16
10	Multicolour PbSe sensors for analytical applications. Sensors and Actuators B: Chemical, 2014, 190, 464-471.	7.8	16
11	Ion kinetic energy distribution of electron stimulated desorption of O <sup>+</sup> from TiO <sub>2</sub> (110) under SO <sub>2</sub> . Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 2318-2322.	2.1	13
12	APTES-Based Silica Nanoparticles as a Potential Modifier for the Selective Sequestration of CO <sub>2</sub> Gas Molecules. Nanomaterials, 2021, 11, 2893.	4.1	11
13	Progress on uncooled PbSe detectors for low-cost applications. , 2004, , .		8
14	Progress on monolithic integration of cheap IR FPAs of polycrystalline PbSe. , 2005, , .		8
15	A 32x32 array of polycrystalline PbSe opens up the market of very low cost MWIR sensitive photon detectors. , 2006, , .		8
16	An ESD and ESDIAD investigation of TiO <sub>2</sub> (110)-SO <sub>2</sub> . Surface Science, 1993, 287-288, 386-390.	1.9	7
17	Monolithic integration of uncooled PbSe bicolor detectors. Sensors and Actuators A: Physical, 2013, 199, 297-303.	4.1	7
18	2-D organization of silica nanoparticles on gold surfaces: CO <sub>2</sub> marker detection and storage. RSC Advances, 2020, 10, 31758-31764.	3.6	6

#	ARTICLE	IF	CITATIONS
19	Electron-stimulated desorption of O <sup>+</sup> from SO <sub>2</sub> and CO adsorbed on TiO <sub>2</sub> (110). Journal of Physics Condensed Matter, 1993, 5, A139-A142.	1.8	5
20	Steam-Resistant Optical Materials for Use in Diagnostic Mirrors for ITER. IEEE Transactions on Plasma Science, 2020, 48, 1619-1624.	1.3	5
21	ESD study of CO reactivity with TiO <sub>2</sub> (110) + Ta defective surface. Surface Science, 1995, 331-333, 219-224.	1.9	4
22	Process technology to integrate polycrystalline uncooled PbSe infrared detectors on interference filters. , 2004, 5251, 97.		3
23	Fast uncooled low density FPA of VPD PbSe. Proceedings of SPIE, 2009, , .	0.8	3
24	Electron Stimulated Desorption of O <sup>+</sup> from TiO <sub>2</sub> (110)-SO <sub>2</sub> . Springer Series in Surface Sciences, 1993, , 289-292.	0.3	1
25	Characterization of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> by electron-stimulated desorption. Vacuum, 1994, 45, 1081-1083.	3.5	0
26	Thermal stability of ESD of O <sup>+</sup> ions ejected from TiO <sub>2</sub> (110). Vacuum, 1995, 46, 1219-1222.	3.5	0