Elisa Garcia-Tabares

List of Publications by Year
in descending order

25 papers	313 citations	933447 10 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	403 citing authors

#	Article	IF	Citations
1	Electrodeposition of copper applied to the manufacture of seamless superconducting rf cavities. Physical Review Accelerators and Beams, 2021, 24, .	1.6	2
2	Flow and fracture of austenitic stainless steels at cryogenic temperatures. Engineering Fracture Mechanics, 2021, 258, 108042.	4.3	8
3	Effect of strain rate on tensile mechanical properties of high-purity niobium single crystals for SRF applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140258.	5.6	7
4	Role of surface microgeometries on electron escape probability and secondary electron yield of metal surfaces. Scientific Reports, 2020, 10, 250.	3.3	23
5	Resistivity Characterization of Molybdenum-Coated Graphite-Based Substrates for High-Luminosity LHC Collimators. Coatings, 2020, 10, 361.	2.6	12
6	Optimization of the secondary electron yield of laser-structured copper surfaces at room and cryogenic temperature. Physical Review Accelerators and Beams, 2020, 23, .	1.6	21
7	MOVPE growth of GaP on Si with As initial coverage. Journal of Crystal Growth, 2017, 464, 8-13.	1.5	14
8	First accelerator test of vacuum components with laser-engineered surfaces for electron-cloud mitigation. Physical Review Accelerators and Beams, 2017, 20, .	1.6	37
9	Inorganic photovoltaics â€" Planar and nanostructured devices. Progress in Materials Science, 2016, 82, 294-404.	32.8	50
10	Evolution of silicon bulk lifetime during IIIâ€"Vâ€onâ€Si multijunction solar cell epitaxial growth. Progress in Photovoltaics: Research and Applications, 2016, 24, 634-644.	8.1	22
11	Assessment of Rear-Surface Processing Strategies for IIIâ€"V on Si Multijunction Solar Cells Based on Numerical Simulations. IEEE Transactions on Electron Devices, 2016, 63, 252-258.	3.0	9
12	Alternatives for rear-surface passivation in IIIâ€"V on Si multi-junction solar cells. , 2015, , .		0
13	Evolution of the silicon bottom cell photovoltaic behavior during IIIâ€"V on Si multi-junction solar cells production. , 2015, , .		1
14	Optimizing diffusion, morphology and minority carrier lifetime in Silicon for GaAsP/Si dual-junction solar cells. , 2015, , .		0
15	Impact of metal-organic vapor phase epitaxy environment on silicon bulk lifetime for IIIâ€"V-on-Si multijunction solar cells. Solar Energy Materials and Solar Cells, 2014, 124, 17-23.	6.2	33
16	Progress toward a Si-plus architecture: epitaxially-integrable Si sub-cells for III-V/Si multijunction photovoltaics. , 2014, , .		4
17	Numerical simulation and experimental facts about bottom-cell optimization for III-V on Silicon multijunction solar cells. , 2013, , .		7
18	Understanding phosphorus diffusion into silicon in a MOVPE environment for IIIâ€"V on silicon solar cells. Solar Energy Materials and Solar Cells, 2013, 116, 61-67.	6.2	19

#	ARTICLE	IF	CITATIONS
19	Influence of PH₃ exposure on silicon substrate morphology in the MOVPE growth of IIIâ€“V on silicon multijunction solar cells. Journal Physics D: Applied Physics, 2013, 46, 445104.	2.8	12
20	Optimization of the silicon subcell for III-V on silicon multijunction solar cells: Key differences with conventional silicon technology. AIP Conference Proceedings, 2012, , .	0.4	7
21	Impact of a Metalâ€“Organic Vapor Phase Epitaxy Environment on Silicon Substrates for IIIâ€“V-on-Si Multijunction Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10ND05.	1.5	8
22	Impact of a Metalâ€“Organic Vapor Phase Epitaxy Environment on Silicon Substrates for IIIâ€“V-on-Si Multijunction Solar Cells. Japanese Journal of Applied Physics, 2012, 51, 10ND05.	1.5	6
23	Triple-junction solar cells for ultra-high concentrator applications. , 2011, , .		1
24	Integration of III-V materials on silicon substrates for multi-junction solar cell applications. , 2011, , .		3
25	Optimizing bottom subcells for III-V-on-Si multijunction solar cells. , 2011, , .		7