

# Germano M Penello

## List of Publications by Year in descending order

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27  
papers

107  
citations

1477746

6  
h-index

1372195

10  
g-index

27  
all docs

27  
docs citations

27  
times ranked

92  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion-beam modification of the magnetic properties of $\text{GaMnAs}$ . Physical Review B, 2010, 81, .	1.1	18
2	Photocurrent Calculation of Intersubband Transitions to Continuum-Localized States in GaAs/AlGaAs Multi-Quantum Wells for Mid-Infrared Photodetector. IEEE Journal of Quantum Electronics, 2013, 49, 747-752.	1.0	13
3	Detecting Infrared Radiation Beyond the Bandoffset With Intersubband Transitions. IEEE Photonics Technology Letters, 2016, 28, 1641-1644.	1.3	13
4	Exploring Parity Anomaly for Dual Peak Infrared Photodetection. IEEE Journal of Quantum Electronics, 2016, 52, 1-6.	1.0	12
5	Leaky electronic states for photovoltaic photodetectors based on asymmetric superlattices. Applied Physics Letters, 2018, 112, .	1.5	10
6	Progress in Symmetric and Asymmetric Superlattice Quantum Well Infrared Photodetectors. Annalen Der Physik, 2019, 531, 1800462.	0.9	8
7	Simultaneous positive and negative photocurrent response in asymmetric quantum dot infrared photodetectors. Journal of Applied Physics, 2013, 113, 043721.	1.1	7
8	High performance dual-mode operation asymmetric superlattice infrared photodetector using leaky electronic states. Journal of Applied Physics, 2019, 125, .	1.1	6
9	Quantifying milk proteins using infrared photodetection for portable equipment. Journal of Food Engineering, 2021, 308, 110676.	2.7	5
10	e-mulate: a user-friendly software to calculate optoelectronic properties of quantum well systems. , 2021, , .		4
11	Implementation of a semi-transparent mid-infrared quantum well infrared photodetector simultaneously as a beamsplitter and a reference detector. Applied Physics Letters, 2012, 100, .	1.5	3
12	"Vendo o invisível": experimentos de visualização do infravermelho feitos com materiais simples e de baixo custo. Revista Brasileira De Ensino De Fisica, 2011, 33, .	0.2	2
13	Information on ion-solid interactions obtained through magnetization measurements. Nuclear Instruments & Methods in Physics Research B, 2012, 273, 72-75.	0.6	1
14	Asymmetric Multi-Quantum Well Infrared Photodetector with a Bound State in the Continuum. , 2014, , .		1
15	Thermoheliodome Testing: Evaluation Methods for Testing Directed Radiant Heat Reflection. Energy Procedia, 2015, 78, 1762-1768.	1.8	1
16	Readout circuit design for noise-based photodetection. , 2017, , .		1
17	Asymmetric superlattice quantum well infrared photodetector. , 2017, , .		1
18	Structural optimization of a superlattice infrared photodetector by evolutionary computation algorithms. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Dual Sign Photocurrent in Quantum Dot Structures for Infrared Photodetection. ECS Transactions, 2010, 31, 207-211.	0.3	0
20	Quantum well infrared photodetector based on a continuum localized state in a defective superlattice. , 2013, , .		0
21	InGaAs/InAlAs quantum well infrared photodetectors for operation in the 1.7 to 3.1 $\mu\text{m}$ wavelength range. , 2014, , .		0
22	Broadband (3.9 $\mu\text{m}$ – 9.6 $\mu\text{m}$ ) Photocurrent in Quantum Cascade Detector with Diagonal Transitions. , 2015, , .		0
23	Effect of the dopant location and the number of Bragg mirrors on the performance of superlattice infrared photodetectors. , 2019, , .		0
24	Dual Color Asymmetric Superlattice Infrared Photodetector. , 2019, , .		0
25	In-line and compact QWIP for reference signal detection with Quantum Cascade lasers at 4.6 $\mu\text{m}$ . , 2011, , .		0
26	Quantum Well Infrared Photodetector for the SWIR Range. Smart Innovation, Systems and Technologies, 2020, , 363-370.	0.5	0
27	Análise de um circuito de corrente constante através dos conceitos da eletrostática. Revista Brasileira De Ensino De Física, 0, 44, .	0.2	0