Anna Persano

List of Publications by Year
in descending order

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29	426	686830 13	713013 21
papers	citations	h-index	g-index

29	29	29	653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoconduction Properties in Aligned Assemblies of Colloidal CdSe/CdS Nanorods. ACS Nano, 2010, 4, 1646-1652.	7.3	73
2	Capacitive RF MEMS Switches With Tantalum-Based Materials. Journal of Microelectromechanical Systems, 2011, 20, 365-370.	1.7	39
3	On the electrostatic actuation of capacitive RF MEMS switches on GaAs substrate. Sensors and Actuators A: Physical, 2015, 232, 202-207.	2.0	29
4	Improving holographic reconstruction by automatic Butterworth filtering for microelectromechanical systems characterization. Applied Optics, 2015, 54, 3428.	2.1	29
5	Phototransport in networks of tetrapod-shaped colloidal semiconductor nanocrystals. Nanoscale, 2010, 2, 2171.	2.8	28
6	Polarization anisotropy of individual core/shell GaAs/AlGaAs nanowires by photocurrent spectroscopy. Applied Physics Letters, 2011, 98, .	1.5	25
7	Influence of design and fabrication on RF performance of capacitive RF MEMS switches. Microsystem Technologies, 2016, 22, 1741-1746.	1.2	24
8	An Unconventional Hybrid Variable Capacitor With a 2-D Electron Gas. IEEE Transactions on Electron Devices, 2014, 61, 445-451.	1.6	22
9	Reliability Enhancement by Suitable Actuation Waveforms for Capacitive RF MEMS Switches in IIIâ€“V Technology. Journal of Microelectromechanical Systems, 2012, 21, 414-419.	1.7	21
10	Transport and charging mechanisms in Ta2O5 thin films for capacitive RF MEMS switches application. Journal of Applied Physics, 2010, 107, .	1.1	18
11	A highly tunable heterostructure metal-semiconductor-metal capacitor utilizing embedded 2-dimensional charge. Applied Physics Letters, 2012, 100, 153505.	1.5	16
12	Ta₂O₅Thin Films for Capacitive RF MEMS Switches. Journal of Sensors, 2010, 2010, 1-5.	0.6	15
13	K-band capacitive MEMS switches on GaAs substrate: Design, fabrication, and reliability. Microelectronics Reliability, 2012, 52, 2245-2249.	0.9	14
14	Thin Film Encapsulation for RF MEMS in 5G and Modern Telecommunication Systems. Sensors, 2020, 20, 2133.	2.1	13
15	Anomalous Capacitance Enhancement Triggered by Light. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-5.	1.9	10
16	Photocurrent properties of single GaAs/AlGaAs coreâ€“shell nanowires with Schottky contacts. Nanotechnology, 2012, 23, 465701.	1.3	9
17	Out-of-plane deformation and pull-in voltage of cantilevers with residual stress gradient: experiment and modelling. Microsystem Technologies, 2019, 25, 3581-3588.	1.2	9
18	Performance Enhancement of a GaAs Detector with a Vertical Field and an Embedded Thin Low-Temperature Grown Layer. Sensors, 2013, 13, 2475-2483.	2.1	8

#	Article	IF	Citations
19	Electrical properties of planar AlGaN/GaN Schottky diodes: Role of 2DEG and analysis of non-idealities. Journal of Applied Physics, 2017, 121, 135701.	1.1	6
20	On the homogeneity of the external quantum efficiency in a free OPV roll-to-roll flexible solar module. Synthetic Metals, 2019, 247, 248-254.	2.1	5
21	Giant light-induced capacitance enhancements in an unconventional capacitor with two-dimensional hole gas. , 2012, , .		4
22	On the transmission of terahertz radiation through silicon-based structures. Journal of Applied Physics, 2014, 116, 044504.	1.1	3
23	Development of capacitive RF MEMS switches with TaN and Ta 2 O 5 thin films. Proceedings of SPIE, 2011, , .	0.8	2
24	Study of spatial inhomogeneity in inverted all-polymer solar cells: Effect of solvent and annealing. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 804-813.	2.4	2
25	Single-Layer InAs Quantum Dots for High-Performance Planar Photodetectors Near 1.3 $muhbox{m}$. IEEE Transactions on Electron Devices, 2010, 57, 1237-1242.	1.6	1
26	Automatic digital filtering for the accuracy improving of a digital holographic measurement system. Proceedings of SPIE, 2014, , .	0.8	1
27	High-speed high-responsivity low temperature grown GaAs detector. , 2012, , .		0
28	Tailoring design and fabrication of capacitive RF MEMS switches for K-band applications. Proceedings of SPIE, 2015, , .	0.8	0
29	Optoelectronic Quantum Capacitors for Configurable Neural Photonic Networks. , 2019, , .		0