

# Anna Persano

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

426  
citations

686830

13  
h-index

713013

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

653  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Thin Film Encapsulation for RF MEMS in 5G and Modern Telecommunication Systems. Sensors, 2020, 20, 2133.   | 2.1 | 13        |
| 2  | 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         |
| 3  | 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         |
| 4  | Optoelectronic Quantum Capacitors for Configurable Neural Photonic Networks. , 2019, , .   |     | 0         |
| 5  | Electrical properties of planar AlGaIn/GaN Schottky diodes: Role of 2DEG and analysis of non-idealities. Journal of Applied Physics, 2017, 121, 135701.                      | 1.1 | 6         |
| 6  | Influence of design and fabrication on RF performance of capacitive RF MEMS switches. Microsystem Technologies, 2016, 22, 1741-1746.   | 1.2 | 24        |
| 7  | Tailoring design and fabrication of capacitive RF MEMS switches for K-band applications. Proceedings of SPIE, 2015, , .  | 0.8 | 0         |
| 8  | On the electrostatic actuation of capacitive RF MEMS switches on GaAs substrate. Sensors and Actuators A: Physical, 2015, 232, 202-207.                                      | 2.0 | 29        |
| 9  | Anomalous Capacitance Enhancement Triggered by Light. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-5.   | 1.9 | 10        |
| 10 | 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         |
| 11 | Improving holographic reconstruction by automatic Butterworth filtering for microelectromechanical systems characterization. Applied Optics, 2015, 54, 3428.                 | 2.1 | 29        |
| 12 | Automatic digital filtering for the accuracy improving of a digital holographic measurement system. Proceedings of SPIE, 2014, , .   | 0.8 | 1         |
| 13 | On the transmission of terahertz radiation through silicon-based structures. Journal of Applied Physics, 2014, 116, 044504.  | 1.1 | 3         |
| 14 | An Unconventional Hybrid Variable Capacitor With a 2-D Electron Gas. IEEE Transactions on Electron Devices, 2014, 61, 445-451.   | 1.6 | 22        |
| 15 | 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         |
| 16 | Reliability Enhancement by Suitable Actuation Waveforms for Capacitive RF MEMS Switches in III-V Technology. Journal of Microelectromechanical Systems, 2012, 21, 414-419.   | 1.7 | 21        |
| 17 | Giant light-induced capacitance enhancements in an unconventional capacitor with two-dimensional hole gas. , 2012, , .   |     | 4         |
| 18 | A highly tunable heterostructure metal-semiconductor-metal capacitor utilizing embedded 2-dimensional charge. Applied Physics Letters, 2012, 100, 153505.                    | 1.5 | 16        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | K-band capacitive MEMS switches on GaAs substrate: Design, fabrication, and reliability. <i>Microelectronics Reliability</i> , 2012, 52, 2245-2249.                          | 0.9 | 14        |
| 20 | Photocurrent properties of single GaAs/AlGaAs core-shell nanowires with Schottky contacts. <i>Nanotechnology</i> , 2012, 23, 465701.   | 1.3 | 9         |
| 21 | High-speed high-responsivity low temperature grown GaAs detector. , 2012, , .  |     | 0         |
| 22 | Capacitive RF MEMS Switches With Tantalum-Based Materials. <i>Journal of Microelectromechanical Systems</i> , 2011, 20, 365-370.   | 1.7 | 39        |
| 23 | Polarization anisotropy of individual core/shell GaAs/AlGaAs nanowires by photocurrent spectroscopy. <i>Applied Physics Letters</i> , 2011, 98, .                            | 1.5 | 25        |
| 24 | Development of capacitive RF MEMS switches with TaN and Ta <sub>2</sub> O <sub>5</sub> thin films. <i>Proceedings of SPIE</i> , 2011, , .                                    | 0.8 | 2         |
| 25 | Photoconduction Properties in Aligned Assemblies of Colloidal CdSe/CdS Nanorods. <i>ACS Nano</i> , 2010, 4, 1646-1652.   | 7.3 | 73        |
| 26 | Single-Layer InAs Quantum Dots for High-Performance Planar Photodetectors Near 1.3 $\mu\text{m}$ . <i>IEEE Transactions on Electron Devices</i> , 2010, 57, 1237-1242.       | 1.6 | 1         |
| 27 | Ta <sub>2</sub> O <sub>5</sub> Thin Films for Capacitive RF MEMS Switches. <i>Journal of Sensors</i> , 2010, 2010, 1-5.  | 0.6 | 15        |
| 28 | Transport and charging mechanisms in Ta <sub>2</sub> O <sub>5</sub> thin films for capacitive RF MEMS switches application. <i>Journal of Applied Physics</i> , 2010, 107, . | 1.1 | 18        |
| 29 | Phototransport in networks of tetrapod-shaped colloidal semiconductor nanocrystals. <i>Nanoscale</i> , 2010, 2, 2171.  | 2.8 | 28        |