

Ivan Michel Antolovic

List of Publications by Year in descending order

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17
papers

1,073
citations

687363

13
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1125743

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all docs

17
docs citations

17
times ranked

857
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Single-photon avalanche diode imagers in biophotonics: review and outlook. <i>Light: Science and Applications</i> , 2019, 8, 87. | 16.6 | 269 |
| 2 | Megapixel time-gated SPAD image sensor for 2D and 3D imaging applications. <i>Optica</i> , 2020, 7, 346. | 9.3 | 200 |
| 3 | A 30-frames/s, \$252imes144\$ SPAD Flash LiDAR With 1728 Dual-Clock 48.8-ps TDCs, and Pixel-Wise Integrated Histogramming. <i>IEEE Journal of Solid-State Circuits</i> , 2019, 54, 1137-1151. | 5.4 | 142 |
| 4 | A 512 Å— 512 SPAD Image Sensor With Integrated Gating for Widefield FLIM. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-12. | 2.9 | 109 |
| 5 | Dynamic range extension for photon counting arrays. <i>Optics Express</i> , 2018, 26, 22234. | 3.4 | 57 |
| 6 | Wide-field time-gated SPAD imager for phasor-based FLIM applications. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024002. | 2.3 | 50 |
| 7 | A CMOS SPAD Imager with Collision Detection and 128 Dynamically Reallocating TDCs for Single-Photon Counting and 3D Time-of-Flight Imaging. <i>Sensors</i> , 2018, 18, 4016. | 3.8 | 45 |
| 8 | Nonuniformity Analysis of a 65-kpixel CMOS SPAD Imager. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 57-64. | 3.0 | 42 |
| 9 | Quantum correlation measurement with single photon avalanche diode arrays. <i>Optics Express</i> , 2019, 27, 32863. | 3.4 | 42 |
| 10 | SPAD imagers for super resolution localization microscopy enable analysis of fast fluorophore blinking. <i>Scientific Reports</i> , 2017, 7, 44108. | 3.3 | 29 |
| 11 | Resolving the Controversy in Biexciton Binding Energy of Cesium Lead Halide Perovskite Nanocrystals through Heralded Single-Particle Spectroscopy. <i>ACS Nano</i> , 2021, 15, 19581-19587. | 14.6 | 26 |
| 12 | Photon-Counting Arrays for Time-Resolved Imaging. <i>Sensors</i> , 2016, 16, 1005. | 3.8 | 22 |
| 13 | Heralded Spectroscopy Reveals Excitonâ€“Exciton Correlations in Single Colloidal Quantum Dots. <i>Nano Letters</i> , 2021, 21, 6756-6763. | 9.1 | 19 |
| 14 | Optical-stack optimization for improved SPAD photon detection efficiency. , 2019, , . | | 8 |
| 15 | Monolithic SPAD Arrays for High-Performance, Time-Resolved Single-Photon Imaging. , 2018, , . | | 5 |
| 16 | Phasor-based widefield FLIM using a gated 512Å—512 single-photon SPAD imager. , 2019, 10882, . | | 5 |
| 17 | Analyzing blinking effects in super resolution localization microscopy with single-photon SPAD imagers. , 2016, , . | | 3 |