

Patrice Salzenstein

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

684
citations

567281

15
h-index

580821

25
g-index

75
all docs

75
docs citations

75
times ranked

389
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Discussion on the principle of coupling and optimization of fiber-to-resonator coupling. , 2021, , . | | 0 |
| 2 | Barkhausen conditions and starting of an optoelectronic oscillator. , 2021, , . | | 0 |
| 3 | Uncertainty Evaluation on a 10.52 GHz (5 dBm) Optoelectronic Oscillator Phase Noise Performance. Micromachines, 2021, 12, 474. | 2.9 | 16 |
| 4 | Investigation of the level of uncertainty given by Brillouin light scattering. , 2021, , . | | 0 |
| 5 | Frequency and temperature control for complex system engineering in optoelectronics and electronics: an overview. International Journal for Simulation and Multidisciplinary Design Optimization, 2020, 11, 7. | 1.1 | 3 |
| 6 | Celebration of the centenary of a major scientific milestone thanks to Heinrich Barkhausen. International Journal for Simulation and Multidisciplinary Design Optimization, 2020, 11, 24. | 1.1 | 1 |
| 7 | Accuracy of the determination of propagation velocities of phononic waves in the material. , 2020, , . | | 0 |
| 8 | Optimization of fiber to resonator coupling. , 2020, , . | | 0 |
| 9 | Brillouin light scattering characterization of optical materials. , 2020, , . | | 0 |
| 10 | An example of design, optimization, stabilization and noise performances of resonator-based optoelectronic oscillators. International Journal for Simulation and Multidisciplinary Design Optimization, 2019, 10, A2. | 1.1 | 3 |
| 11 | Brillouin light scattering uncertainty preliminary estimation. , 2019, , . | | 0 |
| 12 | Fiber to resonator coupling simulation measure and optimization. , 2019, , . | | 0 |
| 13 | Optimized oven for optical resonator heating process. , 2019, , . | | 0 |
| 14 | Optimal design of a crystalline and integrated resonator coupled with optical fibre. , 2018, , . | | 0 |
| 15 | Dedicated oven for optical resonator heating process. , 2018, , . | | 0 |
| 16 | Electronics improvements for optical resonators fabrication. , 2018, , . | | 0 |
| 17 | Holography from Venus de Milo to cultural performance, science and technology (Withdrawal) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | | 0 |
| 18 | Significant improvement in the thermal annealing process of optical resonators. Proceedings of SPIE, 2017, , . | 0.8 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optimization of coupled device based on optical fiber with crystalline and integrated resonators. Proceedings of SPIE, 2017, , . | 0.8 | 1 |
| 20 | Recent progress in the performances of ultrastable quartz resonators and oscillators. International Journal for Simulation and Multidisciplinary Design Optimization, 2016, 7, A8. | 1.1 | 2 |
| 21 | Uncertainty analysis for a phase-detector based phase noise measurement system. Measurement: Journal of the International Measurement Confederation, 2016, 85, 118-123. | 5.0 | 15 |
| 22 | Advances in high quality factor optical resonators for optoelectronics. Proceedings of SPIE, 2015, , . | 0.8 | 0 |
| 23 | Temperature controlled optical resonator process for optoelectronic oscillator application. , 2015, , . | | 2 |
| 24 | High quality-factor optical resonators. Physica Scripta, 2014, T162, 014032. | 2.5 | 15 |
| 25 | Phase noise performance comparison between optoelectronic oscillators based on optical delay lines and whispering gallery mode resonators. Optics Express, 2014, 22, 32158. | 3.4 | 57 |
| 26 | On the metrological performances of optoelectronic oscillators based on whispering gallery mode resonators. Proceedings of SPIE, 2014, , . | 0.8 | 0 |
| 27 | Preliminary investigation in optical resonators based on carbon nano-tube and coupling for optoelectronics. , 2014, , . | | 0 |
| 28 | Optical resonators based on carbon nanotube for photonics applications. , 2014, , . | | 0 |
| 29 | Application of modern method of calculating uncertainty to microwaves and opto-electronics. , 2014, , . | | 4 |
| 30 | Comparison of two methods of laser stabilization for optoelectronic oscillators. Proceedings of SPIE, 2014, , . | 0.8 | 1 |
| 31 | Modern approach for estimating uncertainty of a precision optoelectronic phase noise measurement. , 2013, , . | | 4 |
| 32 | Investigation in acousto-optic laser stabilization for crystal resonator-based optoelectronic oscillators. Optical Engineering, 2013, 52, 024603. | 1.0 | 18 |
| 33 | Nonlinear dynamics of optoelectronic oscillators based on whispering-gallery mode resonators. , 2013, , . | | 0 |
| 34 | Time-Domain Dynamics and Stability Analysis of Optoelectronic Oscillators Based on Whispering-Gallery Mode Resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1-12. | 2.9 | 44 |
| 35 | Coupling of high-quality-factor optical resonators. Physica Scripta, 2013, T157, 014024. | 2.5 | 13 |
| 36 | Experimental characterization of optoelectronic oscillators based on optical mini-resonators. , 2013, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Evaluation of the accuracy of the method for measuring state-of-the-art ultra-high stability quartz crystal oscillators. , 2013, , . | | 0 |
| 38 | Computation method for the short-term stability of quartz crystal resonators obtained from passive phase noise measures. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1530-1532. | 3.0 | 16 |
| 39 | Experimental study of a crystalline-resonator based optoelectronic oscillator. , 2013, , . | | 1 |
| 40 | Determination of the uncertainty for phase noise delivered by an optoelectronic based system. Proceedings of SPIE, 2013, , . | 0.8 | 1 |
| 41 | Optoelectronic Oscillators Phase Noise and Stability Measurements. , 2013, , . | | 3 |
| 42 | Optoelectronics - Advanced Materials and Devices. , 2013, , . | | 17 |
| 43 | Optoelectronic phase noise measurement system with wideband analysis. Proceedings of SPIE, 2012, , . | 0.8 | 2 |
| 44 | Estimation of the uncertainty for a phase noise optoelectronic metrology system. Physica Scripta, 2012, T149, 014025. | 2.5 | 25 |
| 45 | Distributed amplified ultra-stable signal quartz oscillator based. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1937-1939. | 5.0 | 10 |
| 46 | Laser stabilized by acousto-optic cells for optoelectronic oscillators. , 2012, , . | | 3 |
| 47 | Some considerations on acoustic resonator phase noise modeling and recent short-term stability experimental results. , 2011, , . | | 5 |
| 48 | Optoelectronic phase noise system designed for microwaves photonics sources measurements in metrology application. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 49 | Compact optoelectronic oscillator using whispering gallery mode resonators for radio-frequency and millimeter wave generation. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 50 | Resonance measurements techniques of optical whispering gallery mode mini-disc resonators for microwave photonics applications. Proceedings of SPIE, 2011, , . | 0.8 | 0 |
| 51 | Compact optoelectronic oscillators using WGM modes on fused silica and MgF 2 mini-disks resonators. Proceedings of SPIE, 2010, , . | 0.8 | 1 |
| 52 | Noise analysis of the opto-electronic microwave oscillator (OEO). , 2010, , . | | 0 |
| 53 | Resonator frequency stability contribution to the performance of ultrastable oscillators before and after integration. , 2010, , . | | 0 |
| 54 | Frequency stability measurements of ultrastable BVA resonators and oscillators. Electronics Letters, 2010, 46, 686. | 1.0 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Magnesium Fluoride Whispering Gallery Mode Disk-Resonators for Microwave Photonics Applications. IEEE Photonics Technology Letters, 2010, , . | 2.5 | 18 |
| 56 | Compact optoelectronic microwave oscillators using ultra-high Q whispering gallery mode disk-resonators and phase modulation. Optics Express, 2010, 18, 22358. | 3.4 | 159 |
| 57 | Significant step in ultra-high stability quartz crystal oscillators. Electronics Letters, 2010, 46, 1433. | 1.0 | 33 |
| 58 | Lowest flicker-frequency floor measured on BVA oscillators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 548-551. | 3.0 | 15 |
| 59 | Investigation in compact optoelectronic oscillator with mini-disk resonator. , 2010, , . | | 0 |
| 60 | The effect of power-drive level on the calibration of the bridge instrument for the measurement of the quartz stability. , 2009, , . | | 5 |
| 61 | Lowest flicker-frequency floor measured on BVA oscillators. , 2009, , . | | 2 |
| 62 | About Quartz Crystal Resonator Noise: Recent Study. , 2009, , . | | 8 |
| 63 | Optical Mini-Disk Resonator Integrated into a Compact Optoelectronic Oscillator. Acta Physica Polonica A, 2009, 116, 661-663. | 0.5 | 9 |
| 64 | Applications of the optical fiber to the generation and measurement of low-phase-noise microwave signals. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 2140. | 2.1 | 38 |
| 65 | Short-Term Frequency Stability Measurement of BVA Oscillators. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , . | 0.0 | 3 |
| 66 | Advanced bridge instrument for the measurement of the phase noise and of the short-term frequency stability of ultra-stable quartz resonators. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , . | 0.0 | 11 |
| 67 | A Program to Analyse the Origin of Noise in Ultra-Stable Quartz Crystal Resonators. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , . | 0.0 | 7 |
| 68 | Development of a 5 MHz frequency difference pre-multiplier for a short term frequency stability bench of the oscillators. Frequency Control Symposium and Exhibition, Proceedings of the IEEE International, 2007, , . | 0.0 | 0 |
| 69 | Realization of a Phase Noise Measurement Bench Using Cross Correlation and Double Optical Delay Line. Acta Physica Polonica A, 2007, 112, 1107-1111. | 0.5 | 19 |
| 70 | Thermal characterization of crystal ovens used in phase noise measurement system. , 2006, , . | | 6 |
| 71 | Drive level dependence in quartz crystal resonators at low drive levels: a review. , 2004, , . | | 6 |
| 72 | A GaInP/GaAs HBT-Based Low Phase Noise Oscillator in X Band for Metrology Application. , 2002, , . | | 0 |

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|----|--|-----|-----------|
| 73 | High performance InP-based heterostructure barrier varactors in single and stack configuration. Electronics Letters, 1996, 32, 1417. | 1.0 | 22 |
| 74 | Coplanar waveguides on dielectric membranes micromachined on a GaAs substrate. Electronics Letters, 1996, 32, 821. | 1.0 | 18 |
| 75 | Design and realisation of a 100MHz synthesis chain from an X-band reference signal. , 0, , . | | 1 |