

Martin Kraft

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7743336/publications.pdf>

Version: 2024-02-01

27
papers

542
citations

840776

11
h-index

713466

21
g-index

29
all docs

29
docs citations

29
times ranked

704
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Determining the degree of crosslinking of ethylene vinyl acetate photovoltaic module encapsulants – A comparative study. Solar Energy Materials and Solar Cells, 2013, 116, 203-218. | 6.2 | 174 |
| 2 | A highly uniform lamination micromixer with wedge shaped inlet channels for time resolved infrared spectroscopy. Microfluidics and Nanofluidics, 2011, 10, 889-897. | 2.2 | 62 |
| 3 | New Frontiers for Mid-Infrared Sensors: Towards Deep Sea Monitoring with a Submarine FT-IR Sensor System. Applied Spectroscopy, 2003, 57, 591-599. | 2.2 | 42 |
| 4 | Spectroscopy in the gas phase with GaAs/AlGaAs quantum-cascade lasers. Applied Optics, 2000, 39, 6926. | 2.1 | 33 |
| 5 | A Mid-Infrared Sensor for Monitoring of Chlorinated Hydrocarbons in the Marine Environment. International Journal of Environmental Analytical Chemistry, 2000, 78, 367-383. | 3.3 | 28 |
| 6 | Single-detector micro-electro-mechanical scanning grating spectrometer. Analytical and Bioanalytical Chemistry, 2006, 386, 1259-1266. | 3.7 | 25 |
| 7 | Studying enzymatic bioreactions in a millisecond microfluidic flow mixer. Biomicrofluidics, 2012, 6, 12803-128039. | 2.4 | 24 |
| 8 | Influence of packaging atmospheres on the durability of high-temperature SAW sensors. , 2009, , . | | 18 |
| 9 | Determination of the degree of ethylene vinyl acetate crosslinking via Soxhlet extraction: Gold standard or pitfall?. Solar Energy Materials and Solar Cells, 2015, 143, 494-502. | 6.2 | 16 |
| 10 | MEMS-based compact FT-spectrometers - a platform for spectroscopic mid-infrared sensors. , 2008, , . | | 13 |
| 11 | Time-resolved mid-IR spectroscopy of (bio)chemical reactions in solution utilizing a new generation of continuous-flow micro-mixers. Analytical and Bioanalytical Chemistry, 2011, 400, 2487-2497. | 3.7 | 13 |
| 12 | Fabrication and characterization of a vertical lamination micromixer for mid-IR spectroscopy. Sensors and Actuators B: Chemical, 2011, 159, 336-341. | 7.8 | 11 |
| 13 | Characterization of a Robust 3D- and Inkjet-Printed Capacitive Position Sensor for a Spectrometer Application. Sensors, 2019, 19, 443. | 3.8 | 10 |
| 14 | Design and Validation of a Holographic Particle Counter. Sensors, 2019, 19, 4899. | 3.8 | 9 |
| 15 | Use of simulation studies to overcome key challenges in the fab automation of a 300 mm power semiconductor pilot line comprising thin-wafer processing. , 2015, , . | | 8 |
| 16 | Advances in performance and miniaturization of a FT-IR spectrometer system based on a large stroke MOEMS piston mirror. Proceedings of SPIE, 2012, , . | 0.8 | 5 |
| 17 | High-temperature condensation particle counter using a systematically selected dedicated working fluid for automotive applications. Aerosol Science and Technology, 2020, 54, 381-395. | 3.1 | 5 |
| 18 | VIBRATIONAL SPECTROSCOPIC SENSORS Fundamentals, Instrumentation and Applications. , 2006, , 117-155. | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | <title>Mid-infrared sensors for marine monitoring</title>. , 2001, , . | | 4 |
| 20 | Real-time detection of flame-retardant additives in polymers and polymer blends with NIR imaging spectroscopy. Proceedings of SPIE, 2009, , . | 0.8 | 4 |
| 21 | MOEMS translatory actuator characterisation, position encoding and closed-loop control. Microsystem Technologies, 2010, 16, 901-907. | 2.0 | 3 |
| 22 | Characterization of a vertical lamination micromixer for IR spectroscopy. Procedia Engineering, 2010, 5, 1348-1351. | 1.2 | 3 |
| 23 | High-accuracy Nanoparticle Sensor for Combustion Engine Exhaust Gases. Procedia Engineering, 2016, 168, 35-38. | 1.2 | 3 |
| 24 | Advanced FT-IR High-Speed Spectrometer Showing the Feasibility of High Performance Optical MEMS Based Mid-IR Sensing. Procedia Engineering, 2011, 25, 144-147. | 1.2 | 2 |
| 25 | <title>Gas absorption spectroscopy using GaAs/AlGaAs quantum cascade lasers and a hollow waveguide absorption cell</title>. , 2001, , . | | 1 |
| 26 | Detection of fire protection and mineral glasses in industrial recycling using Raman mapping spectroscopy. , 2011, , . | | 1 |
| 27 | A Comparison of Different Counting Methods for a Holographic Particle Counter: Designs, Validations and Results. Sensors, 2020, 20, 3006. | 3.8 | 1 |