Martin Kraft

List of Publications by Year
in descending order

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27	542	840776 11	713466 21
papers	citations	h-index	g-index

29	29	29	704
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comparison of Different Counting Methods for a Holographic Particle Counter: Designs, Validations and Results. Sensors, 2020, 20, 3006.	3.8	1
2	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
3	Characterization of a Robust 3D- and Inkjet-Printed Capacitive Position Sensor for a Spectrometer Application. Sensors, 2019, 19, 443.	3.8	10
4	Design and Validation of a Holographic Particle Counter. Sensors, 2019, 19, 4899.	3.8	9
5	High-accuracy Nanoparticle Sensor for Combustion Engine Exhaust Gases. Procedia Engineering, 2016, 168, 35-38.	1.2	3
6	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
7	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
8	Determining the degree of crosslinking of ethylene vinyl acetate photovoltaic module encapsulantsâ€"A comparative study. Solar Energy Materials and Solar Cells, 2013, 116, 203-218.	6.2	174
9	Studying enzymatic bioreactions in a millisecond microfluidic flow mixer. Biomicrofluidics, 2012, 6, 12803-128039.	2.4	24
10	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
11	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
12	Detection of fire protection and mineral glasses in industrial recycling using Raman mapping spectroscopy. , 2011, , .		1
13	Fabrication and characterization of a vertical lamination micromixer for mid-IR spectroscopy. Sensors and Actuators B: Chemical, 2011, 159, 336-341.	7.8	11
14	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
15	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
16	MOEMS translatory actuator characterisation, position encoding and closed-loop control. Microsystem Technologies, 2010, 16, 901-907.	2.0	3
17	Characterization of a vertical lamination micromixer for IR spectroscopy. Procedia Engineering, 2010, 5, 1348-1351.	1.2	3
18	Real-time detection of flame-retardant additives in polymers and polymer blends with NIR imaging spectroscopy. Proceedings of SPIE, 2009, , .	0.8	4

#	Article	IF	Citations
19	Influence of packaging atmospheres on the durability of high-temperature SAW sensors. , 2009, , .		18
20	MEMS-based compact FT-spectrometers - a platform for spectroscopic mid-infrared sensors. , 2008, , .		13
21	Single-detector micro-electro-mechanical scanning grating spectrometer. Analytical and Bioanalytical Chemistry, 2006, 386, 1259-1266.	3.7	25
22	VIBRATIONAL SPECTROSCOPIC SENSORS Fundamentals, Instrumentation and Applications. , 2006, , 117-155.		5
23	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
24	<title>Gas absorption spectroscopy using GaAs/AlGaAs quantum cascade lasers and a hollow waveguide absorption cell</title>. , 2001, , .		1
25	<title>Mid-infrared sensors for marine monitoring</title>. , 2001, , .		4
26	Spectroscopy in the gas phase with GaAs/AlGaAs quantum-cascade lasers. Applied Optics, 2000, 39, 6926.	2.1	33
27	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