Ilpo Niskanen

List of Publications by Year
in descending order

18	173	1307594 7	1125743 13
papers	citations	h-index	g-index

19	19	19	206
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Properties of Cellulose Nanofibre Films at High Temperatures. Journal of Polymer Research, 2022, 29, .	2.4	5
2	Determination of the Refractive Index of Particles Through the Immersion Solid Matching Method. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-5.	4.7	1
3	Fusion of 4D Point Clouds From a 2D Profilometer and a 3D Lidar on an Excavator. IEEE Sensors Journal, 2021, 21, 17200-17206.	4.7	7
4	Measurement of the degree of polarisation of thermally modified Scots pine using a Stokes imaging polarimeter. Optical Review, 2020, 27, 178-182.	2.0	3
5	4D modeling of soil surface during excavation using a solid-state 2D profilometer mounted on the arm of an excavator. Automation in Construction, 2020, 112, 103112.	9.8	18
6	Determination of relative solids concentration in homogeneous dual component pulp-filler suspension by multi-spectrophotometer. Nordic Pulp and Paper Research Journal, 2020, 35, 71-77.	0.7	0
7	Determining the complex refractive index of cellulose nanocrystals by combination of Beer-Lambert and immersion matching methods. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 235, 1-6.	2.3	40
8	Monitoring drying process of varnish by immersion solid matching method. Progress in Organic Coatings, 2019, 136, 105299.	3.9	4
9	Determination of nanoparticle size using Rayleigh approximation and Mie theory. Chemical Engineering Science, 2019, 201, 222-229.	3.8	32
10	Image Information Obtained Using a Charge-Coupled Device (CCD) Camera During an Immersion Liquid Evaporation Process for Measuring the Refractive Index of Solid Particles. Applied Spectroscopy, 2018, 72, 908-912.	2.2	1
11	Refractive index measurement of nanoparticles by immersion refractometry based on a surface plasmon resonance sensor. Chemical Physics Letters, 2016, 654, 72-75.	2.6	4
12	Immersion liquid techniques in solid particle characterization: A review. Talanta, 2016, 149, 225-236.	5.5	12
13	Roughened Glass Slides and a Spectrophotometer for the Detection of the Wavelength-Dependent Refractive Index of Transparent Liquids. Applied Spectroscopy, 2012, 66, 786-790.	2.2	3
14	Optical sensing of concentration and refractive index of pigments in a suspension. Applied Optics, 2010, 49, 3428.	2.1	12
15	Assessment of Refractive Index of Pigments by Gaussian Fitting of Light Backscattering Data in Context of the Liquid Immersion Method. Applied Spectroscopy, 2010, 64, 558-562.	2.2	7
16	A method for the detection of the refractive index of irregular shape solid pigments in light absorbing liquid matrix. Talanta, 2010, 81, 1322-1324.	5.5	8
17	Multifunction spectrometer for optical inspection of red wine. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 58-65.	1.5	5
18	Estimation of Effective Refractive Index of Birefringent Particles Using a Combination of the Immersion Liquid Method and Light Scattering. Applied Spectroscopy, 2008, 62, 399-401.	2.2	11