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	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
2	Determination of nanoparticle size using Rayleigh approximation and Mie theory. Chemical Engineering Science, 2019, 201, 222-229.	3.8	32
3	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
4	Optical sensing of concentration and refractive index of pigments in a suspension. Applied Optics, 2010, 49, 3428.	2.1	12
5	Immersion liquid techniques in solid particle characterization: A review. Talanta, 2016, 149, 225-236.	5.5	12
6	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
7	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
8	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
9	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
10	Multifunction spectrometer for optical inspection of red wine. Sensing and Instrumentation for Food Quality and Safety, 2008, 2, 58-65.	1.5	5
11	Optical Properties of Cellulose Nanofibre Films at High Temperatures. Journal of Polymer Research, 2022, 29, .	2.4	5
12	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
13	Monitoring drying process of varnish by immersion solid matching method. Progress in Organic Coatings, 2019, 136, 105299.	3.9	4
14	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
15	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
16	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
17	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
18	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