

Suresh N Thennadil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2104128/publications.pdf>

Version: 2024-02-01

28
papers

896
citations

759233

12
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen energy supply to remote communities in Australia's Northern Territory: a feasibility study. Australian Journal of Multi-Disciplinary Engineering, 2022, 18, 15-25.	0.8	2
2	Feature Selection for Cluster Analysis in Spectroscopy. Computers, Materials and Continua, 2022, 71, 2435-2458.	1.9	0
3	An analysis framework for clustering algorithm selection with applications to spectroscopy. PLoS ONE, 2022, 17, e0266369.	2.5	3
4	Effect of pH regulation by sulfate-reducing bacteria on corrosion behaviour of duplex stainless steel 2205 in acidic artificial seawater. Royal Society Open Science, 2021, 8, 200639.	2.4	17
5	Sulphate-Reducing Bacteria's Response to Extreme pH Environments and the Effect of Their Activities on Microbial Corrosion. Applied Sciences (Switzerland), 2021, 11, 2201.	2.5	25
6	Microbial corrosion of DSS 2205 in an acidic chloride environment under continuous flow. PLoS ONE, 2021, 16, e0251524.	2.5	5
7	Is meat from cull cows tougher?. Meat Science, 2021, 177, 108498.	5.5	8
8	Prediction of energy consumption and evaluation of affecting factors in a full-scale WWTP using a machine learning approach. Chemical Engineering Research and Design, 2021, 154, 458-466.	5.6	50
9	Cluster Analysis for IR and NIR Spectroscopy: Current Practices to Future Perspectives. Computers, Materials and Continua, 2021, 69, 1945-1965.	1.9	5
10	Effect of Alkaline Artificial Seawater Environment on the Corrosion Behaviour of Duplex Stainless Steel 2205. Applied Sciences (Switzerland), 2020, 10, 5043.	2.5	5
11	Estimation of Chronological Age of Cattle Using Spatially Resolved Diffuse Reflectance Measurements of Hide. IEEE Sensors Journal, 2020, 20, 8673-8682.	4.7	3
12	Effect of Nickel on the Adhesion and Corrosion Ability of Pseudomonas aeruginosa on Stainless Steel. Journal of Materials Engineering and Performance, 2019, 28, 5797-5805.	2.5	13
13	Automated weighted outlier detection technique for multivariate data. Control Engineering Practice, 2018, 70, 40-49.	5.5	23
14	A Comparative Investigation of the Combined Effects of Pre-Processing, Wavelength Selection, and Regression Methods on Near-Infrared Calibration Model Performance. Applied Spectroscopy, 2017, 71, 1432-1446.	2.2	7
15	Spatially and angularly resolved spectroscopy for in-situ estimation of concentration and particle size in colloidal suspensions. Analytical and Bioanalytical Chemistry, 2017, 409, 6975-6988.	3.7	11
16	Alternative Measurement Configurations for Extracting Bulk Optical Properties Using an Integrating Sphere Setup. Applied Spectroscopy, 2017, 71, 224-237.	2.2	6
17	Monitoring of Conversion during Emulsion Polymerisation Using near Infrared Spectroscopy. NIR News, 2014, 25, 9-16.	0.3	2
18	Full Correction of Scattering Effects by Using the Radiative Transfer Theory for Improved Quantitative Analysis of Absorbing Species in Suspensions. Applied Spectroscopy, 2013, 67, 526-535.	2.2	7

#	ARTICLE	IF	CITATIONS
19	Quantitative Spectroscopic Analysis of Heterogeneous Mixtures: The Correction of Multiplicative Effects Caused by Variations in Physical Properties of Samples. <i>Analytical Chemistry</i> , 2012, 84, 320-326.	6.5	75
20	Insights into information contained in multiplicative scatter correction parameters and the potential for estimating particle size from these parameters. <i>Analytica Chimica Acta</i> , 2012, 746, 37-46.	5.4	15
21	Extraction of Chemical Information of Suspensions Using Radiative Transfer Theory To Remove Multiple Scattering Effects: Application to a Model Multicomponent System. <i>Analytical Chemistry</i> , 2011, 83, 1931-1937.	6.5	27
22	Effect of Sample Thickness on the Extracted Near-Infrared Bulk Optical Properties of <i>Bacillus subtilis</i> in Liquid Culture. <i>Applied Spectroscopy</i> , 2011, 65, 1314-1320.	2.2	1
23	Extraction of Chemical Information of Suspensions Using Radiative Transfer Theory to Remove Multiple Scattering Effects: Application to a Model Two-Component System. <i>Analytical Chemistry</i> , 2009, 81, 7713-7723.	6.5	33
24	Changes in the Absorption and Scattering Properties in the Near-Infrared Region during the Growth of <i>Bacillus Subtilis</i> in Liquid Culture. <i>Applied Spectroscopy</i> , 2009, 63, 25-32.	2.2	12
25	Interpretation of Light Scattering Spectra of Dispersions – A Hybrid Approach to Account for Interparticle Interactions. <i>Particle and Particle Systems Characterization</i> , 2007, 24, 402-410.	2.3	2
26	Comparison of Glucose Concentration in Interstitial Fluid, and Capillary and Venous Blood During Rapid Changes in Blood Glucose Levels. <i>Diabetes Technology and Therapeutics</i> , 2001, 3, 357-365.	4.4	135
27	Optical properties of human skin in the near infrared wavelength range of 1000 to 2200 nm. <i>Journal of Biomedical Optics</i> , 2001, 6, 167.	2.6	385
28	Approximations for Calculating van der Waals Interaction Energy between Spherical Particles – A Comparison. <i>Journal of Colloid and Interface Science</i> , 2001, 243, 136-142.	9.4	19