

Suresh N Thennadil

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

896
citations

759233

12
h-index

526287

27
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28
all docs

28
docs citations

28
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of human skin in the near infrared wavelength range of 1000 to 2200 nm. Journal of Biomedical Optics, 2001, 6, 167.	2.6	385
2	Comparison of Glucose Concentration in Interstitial Fluid, and Capillary and Venous Blood During Rapid Changes in Blood Glucose Levels. Diabetes Technology and Therapeutics, 2001, 3, 357-365.	4.4	135
3	Quantitative Spectroscopic Analysis of Heterogeneous Mixtures: The Correction of Multiplicative Effects Caused by Variations in Physical Properties of Samples. Analytical Chemistry, 2012, 84, 320-326.	6.5	75
4	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
5	Extraction of Chemical Information of Suspensions Using Radiative Transfer Theory to Remove Multiple Scattering Effects: Application to a Model Two-Component System. Analytical Chemistry, 2009, 81, 7713-7723.	6.5	33
6	Extraction of Chemical Information of Suspensions Using Radiative Transfer Theory To Remove Multiple Scattering Effects: Application to a Model Multicomponent System. Analytical Chemistry, 2011, 83, 1931-1937.	6.5	27
7	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
8	Automated weighted outlier detection technique for multivariate data. Control Engineering Practice, 2018, 70, 40-49.	5.5	23
9	Approximations for Calculating van der Waals Interaction Energy between Spherical Particles: A Comparison. Journal of Colloid and Interface Science, 2001, 243, 136-142.	9.4	19
10	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
11	Insights into information contained in multiplicative scatter correction parameters and the potential for estimating particle size from these parameters. Analytica Chimica Acta, 2012, 746, 37-46.	5.4	15
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	Changes in the Absorption and Scattering Properties in the Near-Infrared Region during the Growth of <i>Bacillus Subtilis</i> in Liquid Culture. Applied Spectroscopy, 2009, 63, 25-32.	2.2	12
14	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
15	Is meat from cull cows tougher?. Meat Science, 2021, 177, 108498.	5.5	8
16	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
17	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
18	Alternative Measurement Configurations for Extracting Bulk Optical Properties Using an Integrating Sphere Setup. Applied Spectroscopy, 2017, 71, 224-237.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Effect of Alkaline Artificial Seawater Environment on the Corrosion Behaviour of Duplex Stainless Steel 2205. Applied Sciences (Switzerland), 2020, 10, 5043.	2.5	5
20	Microbial corrosion of DSS 2205 in an acidic chloride environment under continuous flow. PLoS ONE, 2021, 16, e0251524.	2.5	5
21	Cluster Analysis for IR and NIR Spectroscopy: Current Practices to Future Perspectives. Computers, Materials and Continua, 2021, 69, 1945-1965.	1.9	5
22	Estimation of Chronological Age of Cattle Using Spatially Resolved Diffuse Reflectance Measurements of Hide. IEEE Sensors Journal, 2020, 20, 8673-8682.	4.7	3
23	An analysis framework for clustering algorithm selection with applications to spectroscopy. PLoS ONE, 2022, 17, e0266369.	2.5	3
24	Interpretation of Light Scattering Spectra of Dispersions – A Hybrid Approach to Account for Interparticle Interactions. Particle and Particle Systems Characterization, 2007, 24, 402-410.	2.3	2
25	Monitoring of Conversion during Emulsion Polymerisation Using near Infrared Spectroscopy. NIR News, 2014, 25, 9-16.	0.3	2
26	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
27	Effect of Sample Thickness on the Extracted Near-Infrared Bulk Optical Properties of <i>Bacillus subtilis</i> in Liquid Culture. Applied Spectroscopy, 2011, 65, 1314-1320.	2.2	1
28	Feature Selection for Cluster Analysis in Spectroscopy. Computers, Materials and Continua, 2022, 71, 2435-2458.	1.9	0