Xiaoyu Cui

List of Publications by Year in descending order

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19 papers	432 citations	687363 13 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	225 citing authors

#	Article	IF	Citations
1	Water can be a probe for sensing glucose in aqueous solutions by temperature dependent near infrared spectra. Analytica Chimica Acta, 2017, 957, 47-54.	5.4	53
2	Glucose induced variation of water structure from temperature dependent near infrared spectra. RSC Advances, 2016, 6, 105729-105736.	3.6	48
3	Understanding the function of water during the gelation of globular proteins by temperature-dependent near infrared spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 20132-20140.	2.8	44
4	High order derivative to investigate the complexity of the near infrared spectra of aqueous solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 83-89.	3.9	40
5	Chemometric algorithms for analyzing high dimensional temperature dependent near infrared spectra. Chemometrics and Intelligent Laboratory Systems, 2017, 170, 109-117.	3.5	35
6	Mutual factor analysis for quantitative analysis by temperature dependent near infrared spectra. Talanta, 2018, 183, 142-148.	5.5	26
7	Water as a probe for serumâ€“based diagnosis by temperatureâ€“ dependent nearâ€“infrared spectroscopy. Talanta, 2019, 204, 359-366.	5.5	26
8	Understanding the Molecular Interaction in Solutions by Chemometric Resolution of Nearâ˜Infrared Spectra. ChemistrySelect, 2017, 2, 10027-10032.	1.5	24
9	Chemometric methods for extracting information from temperature-dependent near-infrared spectra. Science China Chemistry, 2019, 62, 583-591.	8.2	24
10	A two-level strategy for standardization of near infrared spectra by multi-level simultaneous component analysis. Analytica Chimica Acta, 2019, 1050, 25-31.	5.4	24
11	A variable importance criterion for variable selection in near-infrared spectral analysis. Science China Chemistry, 2019, 62, 271-279.	8.2	17
12	Stimulus-responsive surface-enhanced Raman scattering: a â€œTrojan horseâ€•strategy for precision molecular diagnosis of cancer. Chemical Science, 2020, 11, 6111-6120.	7.4	17
13	Threeâ€“level simultaneous component analysis for analyzing the nearâ€“infrared spectra of aqueous solutions under multiple perturbations. Talanta, 2020, 217, 121036.	5.5	14
14	Combination of heuristic optimal partner bands for variable selection in nearâ€infrared spectral analysis. Journal of Chemometrics, 2018, 32, e2971.	1.3	11
15	Understanding the complexity of the structures in alcohol solutions by temperatureâ€“dependent nearâ€“infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117864.	3.9	9
16	Near-infrared spectroscopy and chemometric modelling for rapid diagnosis of kidney disease. Science China Chemistry, 2017, 60, 299-304.	8.2	8
17	Temperature Dependent Near Infrared Spectroscopy for Understanding the Hydrogen Bonding of Amines. Acta Chimica Sinica, 2018, 76, 298.	1.4	6
18	Modified linear model correction: A calibration transfer method without standard samples. NIR News, 2018, 29, 24-27.	0.3	5

#	Article	IF	Citations
19	Temperature-dependent near-infrared spectroscopy for studying the interactions in protein aqueous solutions. NIR News, 2019, 30, 15-17.	0.3	1