

# 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	Understanding the complexity of the structures in alcohol solutions by temperature-dependent near-infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117864.	3.9	9
2	Stimulus-responsive surface-enhanced Raman scattering: a "Trojan horse" strategy for precision molecular diagnosis of cancer. <i>Chemical Science</i> , 2020, 11, 6111-6120.	7.4	17
3	Three-level simultaneous component analysis for analyzing the near-infrared spectra of aqueous solutions under multiple perturbations. <i>Talanta</i> , 2020, 217, 121036.	5.5	14
4	High order derivative to investigate the complexity of the near infrared spectra of aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 83-89.	3.9	40
5	Temperature-dependent near-infrared spectroscopy for studying the interactions in protein aqueous solutions. <i>NIR News</i> , 2019, 30, 15-17.	0.3	1
6	Water as a probe for serum-based diagnosis by temperature-dependent near-infrared spectroscopy. <i>Talanta</i> , 2019, 204, 359-366.	5.5	26
7	Chemometric methods for extracting information from temperature-dependent near-infrared spectra. <i>Science China Chemistry</i> , 2019, 62, 583-591.	8.2	24
8	A variable importance criterion for variable selection in near-infrared spectral analysis. <i>Science China Chemistry</i> , 2019, 62, 271-279.	8.2	17
9	A two-level strategy for standardization of near infrared spectra by multi-level simultaneous component analysis. <i>Analytica Chimica Acta</i> , 2019, 1050, 25-31.	5.4	24
10	Mutual factor analysis for quantitative analysis by temperature dependent near infrared spectra. <i>Talanta</i> , 2018, 183, 142-148.	5.5	26
11	Combination of heuristic optimal partner bands for variable selection in near-infrared spectral analysis. <i>Journal of Chemometrics</i> , 2018, 32, e2971.	1.3	11
12	Modified linear model correction: A calibration transfer method without standard samples. <i>NIR News</i> , 2018, 29, 24-27.	0.3	5
13	Understanding the function of water during the gelation of globular proteins by temperature-dependent near infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20132-20140.	2.8	44
14	Temperature Dependent Near Infrared Spectroscopy for Understanding the Hydrogen Bonding of Amines. <i>Acta Chimica Sinica</i> , 2018, 76, 298.	1.4	6
15	Water can be a probe for sensing glucose in aqueous solutions by temperature dependent near infrared spectra. <i>Analytica Chimica Acta</i> , 2017, 957, 47-54.	5.4	53
16	Chemometric algorithms for analyzing high dimensional temperature dependent near infrared spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 170, 109-117.	3.5	35
17	Understanding the Molecular Interaction in Solutions by Chemometric Resolution of Near-Infrared Spectra. <i>ChemistrySelect</i> , 2017, 2, 10027-10032.	1.5	24
18	Near-infrared spectroscopy and chemometric modelling for rapid diagnosis of kidney disease. <i>Science China Chemistry</i> , 2017, 60, 299-304.	8.2	8

#	ARTICLE	IF	CITATIONS
19	Glucose induced variation of water structure from temperature dependent near infrared spectra. RSC Advances, 2016, 6, 105729-105736.	3.6	48