

Yong-Huan Yun

List of Publications by Year in descending order

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77
papers

3,755
citations

147801

31
h-index

138484

58
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82
all docs

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docs citations

82
times ranked

3375
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Mechanism of 3-Carene against the Meat Spoilage Bacterium <i>Pseudomonas lundensis</i> and Its Application in Pork during Refrigerated Storage. <i>Foods</i> , 2022, 11, 92.	4.3	7
2	Modern Spectral Analysis Techniques. , 2022, , 31-87.		1
3	A review on hybrid strategy-based wavelength selection methods in analysis of near-infrared spectral data. <i>Infrared Physics and Technology</i> , 2022, 125, 104231.	2.9	22
4	Effect of drying treatment on the structural characterizations and physicochemical properties of starch from canistel (<i>Lucuma nervosa</i> A.DC). <i>International Journal of Biological Macromolecules</i> , 2021, 167, 539-546.	7.5	17
5	BioMedR: an R/CRAN package for integrated data analysis pipeline in biomedical study. <i>Briefings in Bioinformatics</i> , 2021, 22, 474-484.	6.5	8
6	Antibacterial Activity and Mechanism of Linalool against <i>Shewanella putrefaciens</i> . <i>Molecules</i> , 2021, 26, 245.	3.8	53
7	Antimicrobial Activity and Proposed Action Mechanism of Linalool Against <i>Pseudomonas fluorescens</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 562094.	3.5	50
8	Determination of Microbial Diversity and Community Composition in Unfermented and Fermented Washing Rice Water by High-Throughput Sequencing. <i>Current Microbiology</i> , 2021, 78, 1730-1740.	2.2	7
9	Discrimination of Waxy Wheats Using Near-Infrared Hyperspectral Spectroscopy. <i>Food Analytical Methods</i> , 2021, 14, 1704-1713.	2.6	9
10	Hyperspectral imaging in combination with data fusion for rapid evaluation of tilapia fillet freshness. <i>Food Chemistry</i> , 2021, 348, 129129.	8.2	54
11	Nanozyme Applications: A Glimpse of Insight in Food Safety. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727886.	4.1	35
12	Authentication of Geographical Origin in Hainan Partridge Tea (<i>Mallotus obongifolius</i>) by Stable Isotope and Targeted Metabolomics Combined with Chemometrics. <i>Foods</i> , 2021, 10, 2130.	4.3	7
13	Three-step hybrid strategy towards efficiently selecting variables in multivariate calibration of near-infrared spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 224, 117376.	3.9	32
14	Revealing informative metabolites with random variable combination based on model population analysis for metabolomics data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 197, 103920.	3.5	0
15	Systematic Modeling of $\log R^2$ Based on Ensemble Machine Learning, Group Contribution, and Matched Molecular Pair Analysis. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 63-76.	5.4	36
16	Ultrasensitive and rapid detection of ochratoxin A in agro-products by a nanobody-mediated FRET-based immunosensor. <i>Journal of Hazardous Materials</i> , 2020, 387, 121678.	12.4	49
17	Metabolomics Analysis of the Deterioration Mechanism and Storage Time Limit of Tender Coconut Water during Storage. <i>Foods</i> , 2020, 9, 46.	4.3	21
18	Effect of sterilization and storage on volatile compounds, sensory properties and physicochemical properties of coconut milk. <i>Microchemical Journal</i> , 2020, 153, 104532.	4.5	14

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19	Comparative Metabolomic Analysis of <i>Dendrobium officinale</i> under Different Cultivation Substrates. <i>Metabolites</i> , 2020, 10, 325.	2.9	28
20	Metabolomics study on revealing the inhibition and metabolic dysregulation in <i>Pseudomonas fluorescens</i> induced by 3-carene. <i>Food Chemistry</i> , 2020, 329, 127220.	8.2	32
21	Characterization of Volatile Profiles and Marker Substances by HS-SPME/GC-MS during the Concentration of Coconut Jam. <i>Foods</i> , 2020, 9, 347.	4.3	25
22	Rapid and Nondestructive Freshness Determination of Tilapia Fillets by a Portable Near-Infrared Spectrometer Combined with Chemometrics Methods. <i>Food Analytical Methods</i> , 2020, 13, 1918-1928.	2.6	13
23	Preparation and Characterization of Octenyl Succinate β -Cyclodextrin and Vitamin E Inclusion Complex and Its Application in Emulsion. <i>Molecules</i> , 2020, 25, 654.	3.8	10
24	Effects of cultivar and growth region on the structural, emulsifying and rheological characteristic of mango peel pectin. <i>Food Hydrocolloids</i> , 2020, 103, 105707.	10.7	49
25	Preparation and properties of ferulic acid-sugar beet pulp pectin ester and its application as a physical and antioxidative stabilizer in a fish oil-water emulsion. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 290-297.	7.5	19
26	Preparation and Characterization of a Modified- β -Cyclodextrin/ β -Carotene Inclusion Complex and Its Application in Pickering Emulsions. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12875-12884.	5.2	69
27	Antimicrobial Activity and Proposed Action Mechanism of 3-Carene against <i>Brochothrix thermosphacta</i> and <i>Pseudomonas fluorescens</i> . <i>Molecules</i> , 2019, 24, 3246.	3.8	52
28	A hybrid variable selection strategy based on continuous shrinkage of variable space in multivariate calibration. <i>Analytica Chimica Acta</i> , 2019, 1058, 58-69.	5.4	96
29	An overview of variable selection methods in multivariate analysis of near-infrared spectra. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 102-115.	11.4	300
30	Effects of Molecular Weight and Guluronic Acid/Mannuronic Acid Ratio on the Rheological Behavior and Stabilizing Property of Sodium Alginate. <i>Molecules</i> , 2019, 24, 4374.	3.8	64
31	Multistep virtual screening for rapid identification of G Protein-Coupled Receptors Kinase 2 inhibitors for heart failure treatment. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 185, 32-40.	3.5	9
32	Comparative non-destructive classification of partial waxy wheats using near-infrared and Raman spectroscopy. <i>Crop and Pasture Science</i> , 2019, 70, 437.	1.5	14
33	Influence of dissolved organic matter on sorption and desorption of MCPA in ferralsol. <i>Science of the Total Environment</i> , 2018, 616-617, 1449-1456.	8.0	29
34	Nanobody-Alkaline Phosphatase Fusion Protein-Based Enzyme-Linked Immunosorbent Assay for One-Step Detection of Ochratoxin A in Rice. <i>Sensors</i> , 2018, 18, 4044.	3.8	16
35	Chemometrics in instrumental analysis of complex systems—“in honor and memory of Yi Zeng Liang. <i>Journal of Chemometrics</i> , 2018, 32, e3095.	1.3	1
36	Deep-Learning-Based Drug-Target Interaction Prediction. <i>Journal of Proteome Research</i> , 2017, 16, 1401-1409.	3.7	381

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37	ChemBCPP: A freely available web server for calculating commonly used physicochemical properties. Chemometrics and Intelligent Laboratory Systems, 2017, 171, 65-73.	3.5	8
38	A strategy on the definition of applicability domain of model based on population analysis. Chemometrics and Intelligent Laboratory Systems, 2017, 170, 77-83.	3.5	11
39	The model adaptive space shrinkage (MASS) approach: a new method for simultaneous variable selection and outlier detection based on model population analysis. Analyst, The, 2016, 141, 5586-5597.	3.5	20
40	Feature extraction from resolution perspective for gas chromatography-mass spectrometry datasets. RSC Advances, 2016, 6, 113997-114004.	3.6	14
41	A modified random forest approach to improve multi-class classification performance of tobacco leaf grades coupled with NIR spectroscopy. RSC Advances, 2016, 6, 30353-30361.	3.6	35
42	Representative subset selection and outlier detection via isolation forest. Analytical Methods, 2016, 8, 7225-7231.	2.7	33
43	Simultaneous determination of lead and tin at the bismuth film electrode by square wave stripping voltammetry and chemometric methods. Analytical Methods, 2016, 8, 5475-5486.	2.7	8
44	The equivalence of partial least squares and principal component regression in the sufficient dimension reduction framework. Chemometrics and Intelligent Laboratory Systems, 2016, 150, 58-64.	3.5	25
45	Chemometric methods in data processing of mass spectrometry-based metabolomics: A review. Analytica Chimica Acta, 2016, 914, 17-34.	5.4	219
46	Simultaneous determination of neutral and uronic sugars based on UV-vis spectrometry combined with PLS. International Journal of Biological Macromolecules, 2016, 87, 290-294.	7.5	15
47	Variable importance analysis based on rank aggregation with applications in metabolomics for biomarker discovery. Analytica Chimica Acta, 2016, 911, 27-34.	5.4	20
48	A bootstrapping soft shrinkage approach for variable selection in chemical modeling. Analytica Chimica Acta, 2016, 908, 63-74.	5.4	142
49	A potential tool for diagnosis of male infertility: Plasma metabolomics based on GC-MS. Talanta, 2016, 147, 82-89.	5.5	38
50	<i>In silico</i> evaluation of logD _{7.4} and comparison with other prediction methods. Journal of Chemometrics, 2015, 29, 389-398.	1.3	30
51	A green method for the quantification of polysaccharides in Dendrobium officinale. RSC Advances, 2015, 5, 105057-105065.	3.6	16
52	ChemDes: an integrated web-based platform for molecular descriptor and fingerprint computation. Journal of Cheminformatics, 2015, 7, 60.	6.1	235
53	Using variable combination population analysis for variable selection in multivariate calibration. Analytica Chimica Acta, 2015, 862, 14-23.	5.4	158
54	A new method for wavelength interval selection that intelligently optimizes the locations, widths and combinations of the intervals. Analyst, The, 2015, 140, 1876-1885.	3.5	97

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55	Rapid analysis of polysaccharides contents in Glycyrrhiza by near infrared spectroscopy and chemometrics. International Journal of Biological Macromolecules, 2015, 79, 983-987.	7.5	22
56	Systematic and practical solvent system selection strategy based on the nonrandom two-liquid segment activity coefficient model for real-life counter-current chromatography separation. Journal of Chromatography A, 2015, 1393, 47-56.	3.7	13
57	Informative metabolites identification by variable importance analysis based on random variable combination. Metabolomics, 2015, 11, 1539-1551.	3.0	41
58	A new strategy to prevent over-fitting in partial least squares models based on model population analysis. Analytica Chimica Acta, 2015, 880, 32-41.	5.4	63
59	Iteratively variable subset optimization for multivariate calibration. RSC Advances, 2015, 5, 95771-95780.	3.6	32
60	Weighted variable kernel support vector machine classifier for metabolomics data analysis. Chemometrics and Intelligent Laboratory Systems, 2015, 146, 365-370.	3.5	10
61	Model population analysis in chemometrics. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 166-176.	3.5	37
62	A combination of GC-MS and chemometrics reveals metabolic differences between serum and plasma. Analytical Methods, 2015, 7, 1751-1757.	2.7	4
63	Application of near infrared spectroscopy for the rapid determination of epimedin A, B, C and icariin in Epimedium. RSC Advances, 2015, 5, 5046-5052.	3.6	20
64	Metabolomic identification of novel biomarkers of nasopharyngeal carcinoma. RSC Advances, 2014, 4, 59094-59101.	3.6	21
65	A Combinational Strategy of Model Disturbance and Outlier Comparison to Define Applicability Domain in Quantitative Structural Activity Relationship. Molecular Informatics, 2014, 33, 503-513.	2.5	18
66	Separation of nine compounds from <i>Salvia plebeia</i> R.Br. using two-step high-speed counter-current chromatography with different elution modes. Journal of Separation Science, 2014, 37, 2118-2125.	2.5	31
67	Baseline correction of high resolution spectral profile data based on exponential smoothing. Chemometrics and Intelligent Laboratory Systems, 2014, 139, 97-108.	3.5	37
68	A strategy that iteratively retains informative variables for selecting optimal variable subset in multivariate calibration. Analytica Chimica Acta, 2014, 807, 36-43.	5.4	177
69	A novel variable selection approach that iteratively optimizes variable space using weighted binary matrix sampling. Analyst, The, 2014, 139, 4836.	3.5	127
70	A simple idea on applying large regression coefficient to improve the genetic algorithm-PLS for variable selection in multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2014, 130, 76-83.	3.5	44
71	Using nonrandom two-liquid model for solvent system selection in counter-current chromatography. Journal of Chromatography A, 2014, 1355, 80-85.	3.7	14
72	Comparisons of Five Algorithms for Chromatogram Alignment. Chromatographia, 2013, 76, 1067-1078.	1.3	38

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73	A perspective demonstration on the importance of variable selection in inverse calibration for complex analytical systems. <i>Analyst</i> , 2013, 138, 6412.	3.5	51
74	Application of fast Fourier transform cross-correlation and mass spectrometry data for accurate alignment of chromatograms. <i>Journal of Chromatography A</i> , 2013, 1286, 175-182.	3.7	26
75	An efficient method of wavelength interval selection based on random frog for multivariate spectral calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 31-36.	3.9	150
76	The continuity of sample complexity and its relationship to multivariate calibration: A general perspective on first-order calibration of spectral data in analytical chemistry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 122, 23-30.	3.5	16
77	INVESTIGATION OF CHEMICAL COMPONENTS VARIATION IN MAXING SHIGAN DECOCTION BY HPLC-DAD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012, 35, 2777-2794.	1.0	1