

Yong-Huan Yun

List of Publications by Year in descending order

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77
papers

3,755
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147786
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docs citations

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times ranked

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| # | 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. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 171, 65-73. | 3.5 | 8 |
| 38 | A strategy on the definition of applicability domain of model based on population analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 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. <i>Analyst, The</i> , 2016, 141, 5586-5597. | 3.5 | 20 |
| 40 | Feature extraction from resolution perspective for gas chromatography-mass spectrometry datasets. <i>RSC Advances</i> , 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. <i>RSC Advances</i> , 2016, 6, 30353-30361. | 3.6 | 35 |
| 42 | Representative subset selection and outlier detection via isolation forest. <i>Analytical Methods</i> , 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. <i>Analytical Methods</i> , 2016, 8, 5475-5486. | 2.7 | 8 |
| 44 | The equivalence of partial least squares and principal component regression in the sufficient dimension reduction framework. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 150, 58-64. | 3.5 | 25 |
| 45 | Chemometric methods in data processing of mass spectrometry-based metabolomics: A review. <i>Analytica Chimica Acta</i> , 2016, 914, 17-34. | 5.4 | 219 |
| 46 | Simultaneous determination of neutral and uronic sugars based on UV-vis spectrometry combined with PLS. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 290-294. | 7.5 | 15 |
| 47 | Variable importance analysis based on rank aggregation with applications in metabolomics for biomarker discovery. <i>Analytica Chimica Acta</i> , 2016, 911, 27-34. | 5.4 | 20 |
| 48 | A bootstrapping soft shrinkage approach for variable selection in chemical modeling. <i>Analytica Chimica Acta</i> , 2016, 908, 63-74. | 5.4 | 142 |
| 49 | A potential tool for diagnosis of male infertility: Plasma metabolomics based on GC-MS. <i>Talanta</i> , 2016, 147, 82-89. | 5.5 | 38 |
| 50 | <i>In silico</i> evaluation of logD _{7.4} and comparison with other prediction methods. <i>Journal of Chemometrics</i> , 2015, 29, 389-398. | 1.3 | 30 |
| 51 | A green method for the quantification of polysaccharides in <i>Dendrobium officinale</i> . <i>RSC Advances</i> , 2015, 5, 105057-105065. | 3.6 | 16 |
| 52 | ChemDes: an integrated web-based platform for molecular descriptor and fingerprint computation. <i>Journal of Cheminformatics</i> , 2015, 7, 60. | 6.1 | 235 |
| 53 | Using variable combination population analysis for variable selection in multivariate calibration. <i>Analytica Chimica Acta</i> , 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. <i>Analyst, The</i> , 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. <i>International Journal of Biological Macromolecules</i> , 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. <i>Journal of Chromatography A</i> , 2015, 1393, 47-56. | 3.7 | 13 |
| 57 | Informative metabolites identification by variable importance analysis based on random variable combination. <i>Metabolomics</i> , 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. <i>Analytica Chimica Acta</i> , 2015, 880, 32-41. | 5.4 | 63 |
| 59 | Iteratively variable subset optimization for multivariate calibration. <i>RSC Advances</i> , 2015, 5, 95771-95780. | 3.6 | 32 |
| 60 | Weighted variable kernel support vector machine classifier for metabolomics data analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 146, 365-370. | 3.5 | 10 |
| 61 | Model population analysis in chemometrics. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 149, 166-176. | 3.5 | 37 |
| 62 | A combination of GC-MS and chemometrics reveals metabolic differences between serum and plasma. <i>Analytical Methods</i> , 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 <i>Epimedium</i> . <i>RSC Advances</i> , 2015, 5, 5046-5052. | 3.6 | 20 |
| 64 | Metabolomic identification of novel biomarkers of nasopharyngeal carcinoma. <i>RSC Advances</i> , 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. <i>Molecular Informatics</i> , 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. <i>Journal of Separation Science</i> , 2014, 37, 2118-2125. | 2.5 | 31 |
| 67 | Baseline correction of high resolution spectral profile data based on exponential smoothing. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 139, 97-108. | 3.5 | 37 |
| 68 | A strategy that iteratively retains informative variables for selecting optimal variable subset in multivariate calibration. <i>Analytica Chimica Acta</i> , 2014, 807, 36-43. | 5.4 | 177 |
| 69 | A novel variable selection approach that iteratively optimizes variable space using weighted binary matrix sampling. <i>Analyst</i> , 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. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 130, 76-83. | 3.5 | 44 |
| 71 | Using nonrandom two-liquid model for solvent system selection in counter-current chromatography. <i>Journal of Chromatography A</i> , 2014, 1355, 80-85. | 3.7 | 14 |
| 72 | Comparisons of Five Algorithms for Chromatogram Alignment. <i>Chromatographia</i> , 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, The</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 |