

# Cheng-Jian Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

6,301  
citations

101384

36  
h-index

79541

73  
g-index

120  
all docs

120  
docs citations

120  
times ranked

12574  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Determinants of expression of SARS-CoV-2 entry-related genes in upper and lower airways. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 690-694.                                   | 2.7 | 15        |
| 2  | Reverse Inflammaging: Biological age is accelerated in chronic HCV patients and decelerates after HCV cure. <i>Zeitschrift Fur Gastroenterologie</i> , 2022, 60, .  | 0.2 | 0         |
| 3  | Single-cell RNA sequencing reveals induction of distinct trained-immunity programs in human monocytes. <i>Journal of Clinical Investigation</i> , 2022, 132, .  | 3.9 | 36        |
| 4  | Evolutionary Trajectories of Complex Traits in European Populations of Modern Humans. <i>Frontiers in Genetics</i> , 2022, 13, 833190.  | 1.1 | 2         |
| 5  | Multi-Omics Integration Reveals Only Minor Long-Term Molecular and Functional Sequelae in Immune Cells of Individuals Recovered From COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 838132.                   | 2.2 | 10        |
| 6  | The Genetic Risk for COVID-19 Severity Is Associated With Defective Immune Responses. <i>Frontiers in Immunology</i> , 2022, 13, .  | 2.2 | 4         |
| 7  | Cell-type eQTL deconvolution of bronchial epithelium through integration of single-cell and bulk RNA-seq. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 3663-3666.                | 2.7 | 0         |
| 8  | A genome-wide association study of severe asthma exacerbations in Latino children and adolescents. <i>European Respiratory Journal</i> , 2021, 57, 2002693.   | 3.1 | 15        |
| 9  | Shared DNA methylation signatures in childhood allergy: The MeDALL study. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1031-1040.   | 1.5 | 24        |
| 10 | Identification of Novel Population-Specific Cell Subsets in Chinese Ulcerative Colitis Patients Using Single-Cell RNA Sequencing. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 99-117. | 2.3 | 15        |
| 11 | Exposure to violence, chronic stress, nasal DNA methylation, and atopic asthma in children. <i>Pediatric Pulmonology</i> , 2021, 56, 1896-1905.   | 1.0 | 22        |
| 12 | Integration of metabolomics, genomics, and immune phenotypes reveals the causal roles of metabolites in disease. <i>Genome Biology</i> , 2021, 22, 198.   | 3.8 | 26        |
| 13 | Residential PM2.5 exposure and the nasal methylome in children. <i>Environment International</i> , 2021, 153, 106505.   | 4.8 | 10        |
| 14 | Infant RSV immunoprophylaxis changes nasal epithelial DNA methylation at 6 years of age. <i>Pediatric Pulmonology</i> , 2021, 56, 3822-3831.  | 1.0 | 8         |
| 15 | Evolution of cytokine production capacity in ancient and modern European populations. <i>ELife</i> , 2021, 10, .  | 2.8 | 15        |
| 16 | Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.  | 9.4 | 218       |
| 17 | Epigenome-Wide DNA Methylation and Pesticide Use in the Agricultural Lung Health Study. <i>Environmental Health Perspectives</i> , 2021, 129, 97008.  | 2.8 | 20        |
| 18 | Phenotypic and functional translation of IL33 genetics in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 144-157.   | 1.5 | 29        |

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|----|---|------|-----------|
| 19 | Induction of trained immunity by influenza vaccination - impact on COVID-19. <i>PLoS Pathogens</i> , 2021, 17, e1009928.  | 2.1  | 93        |
| 20 | Cell type eQTL deconvolution of bronchial epithelium through integration of single cell and bulk RNA-seq. , 2021, , .   |      | 0         |
| 21 | Predicting childhood allergy using machine learning methods on multi-omics data. , 2021, , .  |      | 0         |
| 22 | IRF7 and RNH1 are modifying factors of HIV-1 reservoirs: a genome-wide association analysis. <i>BMC Medicine</i> , 2021, 19, 282.   | 2.3  | 8         |
| 23 | Differential DNA methylation in bronchial biopsies between persistent asthma and asthma in remission. <i>European Respiratory Journal</i> , 2020, 55, 1901280.  | 3.1  | 29        |
| 24 | DNA methylation and body mass index from birth to adolescence: meta-analyses of epigenome-wide association studies. <i>Genome Medicine</i> , 2020, 12, 105.   | 3.6  | 41        |
| 25 | Multi-omics examination of Q fever fatigue syndrome identifies similarities with chronic fatigue syndrome. <i>Journal of Translational Medicine</i> , 2020, 18, 448.  | 1.8  | 21        |
| 26 | Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. <i>Cell</i> , 2020, 182, 1419-1440.e23.   | 13.5 | 1,162     |
| 27 | Epigenome-wide association study identifies DNA methylation markers for asthma remission in whole blood and nasal epithelium. <i>Clinical and Translational Allergy</i> , 2020, 10, 60.                                   | 1.4  | 12        |
| 28 | Epigenome-wide association study of DNA methylation and adult asthma in the Agricultural Lung Health Study. <i>European Respiratory Journal</i> , 2020, 56, 2000217.  | 3.1  | 40        |
| 29 | Deconvolution of bulk blood eQTL effects into immune cell subpopulations. <i>BMC Bioinformatics</i> , 2020, 21, 243.  | 1.2  | 38        |
| 30 | Epigenome-wide meta-analysis of blood DNA methylation in newborns and children identifies numerous loci related to gestational age. <i>Genome Medicine</i> , 2020, 12, 25.  | 3.6  | 81        |
| 31 | Nasal DNA methylation profiling of asthma and rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1655-1663.   | 1.5  | 56        |
| 32 | A novel whole blood gene expression signature for asthma, dermatitis, and rhinitis multimorbidity in children and adolescents. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 3248-3260. | 2.7  | 55        |
| 33 | RNA sequencing in bronchial biopsies of wheezing infants developing asthma at school age reveals epithelial dysfunction. , 2020, , .  |      | 0         |
| 34 | The role of epigenetics in the development of childhood asthma. <i>Expert Review of Clinical Immunology</i> , 2019, 15, 1287-1302.  | 1.3  | 39        |
| 35 | Soluble immune markers in the different phases of chronic hepatitis B virus infection. <i>Scientific Reports</i> , 2019, 9, 14118.  | 1.6  | 14        |
| 36 | Comparison of smoking-related DNA methylation between newborns from prenatal exposure and adults from personal smoking. <i>Epigenomics</i> , 2019, 11, 1487-1500.   | 1.0  | 64        |

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|----|--|-----|-----------|
| 37 | Epigenome-wide meta-analysis of DNA methylation and childhood asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 2062-2074.  | 1.5 | 147       |
| 38 | Prenatal Particulate Air Pollution and DNA Methylation in Newborns: An Epigenome-Wide Meta-Analysis. <i>Environmental Health Perspectives</i> , 2019, 127, 57012.  | 2.8 | 111       |
| 39 | Meta-analysis of epigenome-wide association studies in neonates reveals widespread differential DNA methylation associated with birthweight. <i>Nature Communications</i> , 2019, 10, 1893.  | 5.8 | 140       |
| 40 | The Early Growth Genetics (EGG) and EARly Genetics and Lifecourse Epidemiology (EAGLE) consortia: design, results and future prospects. <i>European Journal of Epidemiology</i> , 2019, 34, 279-300.                               | 2.5 | 26        |
| 41 | Genome-wide DNA methylation and long-term ambient air pollution exposure in Korean adults. <i>Clinical Epigenetics</i> , 2019, 11, 37.   | 1.8 | 76        |
| 42 | Development of Normal Tissue Complication Probability Model for Trismus in Head and Neck Cancer Patients Treated With Radiotherapy: The Role of Dosimetric and Clinical Factors. <i>Anticancer Research</i> , 2019, 39, 6787-6798. | 0.5 | 12        |
| 43 | DNA methylation in nasal epithelium, atopy, and atopic asthma in children: a genome-wide study. <i>Lancet Respiratory Medicine</i> , 2019, 7, 336-346.   | 5.2 | 147       |
| 44 | Infant RSV infection changes nasal epithelial DNA methylation at 6 years of age. , 2019, , .   |     | 1         |
| 45 | IL33 receptor activation is IL33 isoform and receptor genotype specific. , 2019, , .   |     | 1         |
| 46 | DNA methylation in childhood asthma: an epigenome-wide meta-analysis. <i>Lancet Respiratory Medicine</i> , 2018, 6, 379-388.   | 5.2 | 170       |
| 47 | Preparing graphene oxideâ€“copper composite material from spent lithium ion batteries and catalytic performance analysis. <i>Research on Chemical Intermediates</i> , 2018, 44, 5075-5089.   | 1.3 | 32        |
| 48 | Genetic regulation of <i>IL1RL1</i> methylation and IL1RL1-a protein levels in asthma. <i>European Respiratory Journal</i> , 2018, 51, 1701377.  | 3.1 | 24        |
| 49 | Cohort Profile: Pregnancy And Childhood Epigenetics (PACE) Consortium. <i>International Journal of Epidemiology</i> , 2018, 47, 22-23u.  | 0.9 | 105       |
| 50 | Genetic and epigenetic regulation of YKL-40 in childhood. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1105-1114.  | 1.5 | 27        |
| 51 | Profiling of healthy and asthmatic airway smooth muscle cells following interleukin-1 $\beta$ treatment: a novel role for CCL20 in chronic mucus hypersecretion. <i>European Respiratory Journal</i> , 2018, 52, 1800310.          | 3.1 | 38        |
| 52 | Mechanisms of the Development of Allergy (MeDALL): Introducing novel concepts in allergy phenotypes. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 388-399.   | 1.5 | 145       |
| 53 | Genome-Wide Interaction Analysis of Air Pollution Exposure and Childhood Asthma with Functional Follow-up. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1373-1383.                               | 2.5 | 107       |
| 54 | Maternal BMI at the start of pregnancy and offspring epigenome-wide DNA methylation: findings from the pregnancy and childhood epigenetics (PACE) consortium. <i>Human Molecular Genetics</i> , 2017, 26, 4067-4085.               | 1.4 | 211       |

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|----|---|-----|-----------|
| 55 | The emerging landscape of dynamic DNA methylation in early childhood. <i>BMC Genomics</i> , 2017, 18, 25.   | 1.2 | 49        |
| 56 | Epigenome-Wide Meta-Analysis of Methylation in Children Related to Prenatal NO <sub>2</sub> Air Pollution Exposure. <i>Environmental Health Perspectives</i> , 2017, 125, 104-110.  | 2.8 | 176       |
| 57 | Gene expression in bronchial biopsies from subjects with persistent asthma and asthma in remission. , 2017, , .   |     | 0         |
| 58 | DNA Methylation in Newborns and Maternal Smoking in Pregnancy: Genome-wide Consortium Meta-analysis. <i>American Journal of Human Genetics</i> , 2016, 98, 680-696.   | 2.6 | 717       |
| 59 | Paving the way of systems biology and precision medicine in allergic diseases: the MeDALL success story. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016, 71, 1513-1525.                                 | 2.7 | 77        |
| 60 | Association of season of birth with DNA methylation and allergic disease. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016, 71, 1314-1324.  | 2.7 | 61        |
| 61 | meQTL analysis of asthma GWAS loci and DNA methylation. , 2016, , .   |     | 0         |
| 62 | Differentially methylated genes related to gestational age are also expressed during fetal lung development. , 2016, , .  |     | 0         |
| 63 | Integrated Allergy and Asthma Prevention and Care: Report of the MeDALL/AIRWAYS ICPs Meeting at the Ministry of Health and Care Services, Oslo, Norway. <i>International Archives of Allergy and Immunology</i> , 2015, 167, 57-64. | 0.9 | 14        |
| 64 | Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. <i>Nature Genetics</i> , 2015, 47, 1449-1456.  | 9.4 | 529       |
| 65 | An integrative genomics approach identifies new asthma pathways related to air pollution exposure. , 2015, , .  |     | 1         |
| 66 | Epigenome-Wide Pooled Analysis Of Methylation In Children Related To Air Pollution Exposure At Birth: The Medall Study. <i>ISEE Conference Abstracts</i> , 2015, 2015, 690.   | 0.0 | 0         |
| 67 | Impact of Statistical Learning Methods on the Predictive Power of Multivariate Normal Tissue Complication Probability Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, e677-e684.             | 0.4 | 46        |
| 68 | Statistical Validation of Normal Tissue Complication Probability Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e123-e129.  | 0.4 | 35        |
| 69 | Multivariate modeling of complications with data driven variable selection: Guarding against overfitting and effects of data set size. <i>Radiotherapy and Oncology</i> , 2012, 105, 115-121.                                       | 0.3 | 53        |
| 70 | To aggregate or not to aggregate high-dimensional classifiers. <i>BMC Bioinformatics</i> , 2011, 12, 153.   | 1.2 | 9         |
| 71 | WE-G-BRA-04: Bootstrapping Guards against Overfitting in Multivariate NTCP Modeling with Automated Variable Selection. <i>Medical Physics</i> , 2011, 38, 3826-3827.  | 1.6 | 0         |
| 72 | Computational modeling of the human serum proteome response to colon resection surgery. <i>Analytica Chimica Acta</i> , 2010, 661, 20-27.   | 2.6 | 1         |

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|----|--|-----|-----------|
| 73 | Recipe for Uncovering the Bioactive Components in Herbal Medicine. <i>Analytical Chemistry</i> , 2009, 81, 7217-7225.  | 3.2 | 56        |
| 74 | Analytical comparison of different parts of <i>Radix Angelicae Sinensis</i> by gas chromatography coupled with mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1187, 232-238.  | 1.8 | 22        |
| 75 | Local factor analysis of rank-deficient reaction systems. <i>Analytica Chimica Acta</i> , 2006, 575, 1-8.  | 2.6 | 10        |
| 76 | Using orthogonal projection approach (OPA) for rank-deficient reaction processes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 81, 3-12.   | 1.8 | 10        |
| 77 | Chemometric treatment of vanillin fingerprint chromatograms. <i>Journal of Chromatography A</i> , 2006, 1120, 291-298.   | 1.8 | 55        |
| 78 | Sequential uniform designs for fingerprints development of <i>Ginkgo biloba</i> extracts by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2006, 1128, 273-281.   | 1.8 | 53        |
| 79 | Pretreatments of chromatographic fingerprints for quality control of herbal medicines. <i>Journal of Chromatography A</i> , 2006, 1134, 253-259.   | 1.8 | 111       |
| 80 | Comparing chemical fingerprints of herbal medicines using modified window target-testing factor analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 913-924.  | 1.9 | 16        |
| 81 | Identification of essential components of by gas chromatography/mass spectrometry and the integrated chemometric approach. <i>Talanta</i> , 2005, 68, 108-115.   | 2.9 | 32        |
| 82 | Spectral correlative chromatography and its application to analysis of chromatographic fingerprints of herbal medicines. <i>Journal of Separation Science</i> , 2004, 27, 581-588.   | 1.3 | 42        |
| 83 | Analyzing of the volatile chemical constituents in <i>Artemisia capillaris herba</i> by GC-MS and correlative chemometric resolution methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 469-478.                        | 1.4 | 61        |
| 84 | Improving the classification accuracy in chemistry via boosting technique. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 70, 39-46.   | 1.8 | 24        |
| 85 | Comparison of the volatile constituents of <i>Artemisia capillaris</i> from different locations by gas chromatography-mass spectrometry and projection method. <i>Journal of Chromatography A</i> , 2004, 1054, 73-9.                              | 1.8 | 8         |
| 86 | Resolution and identification of the acidic fraction of a petroleum ether extract of <i>Radix Rehmanniae Preparata</i> by an evolving chemometric approach. <i>Chromatographia</i> , 2003, 57, 235-243.  | 0.7 | 11        |
| 87 | Determination of the volatile chemical constituents of <i>Notoptergium incium</i> by gas chromatography-mass spectrometry and iterative or non-iterative chemometrics resolution methods. <i>Journal of Chromatography A</i> , 2003, 1016, 99-110. | 1.8 | 54        |
| 88 | Sectional moving window factor analysis for diagnosing elution chromatographic patterns. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 69, 89-101.  | 1.8 | 10        |
| 89 | External Factor Variable Connectivity Index. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 773-778.   | 2.8 | 6         |
| 90 | Chemical rank estimation by noise perturbation in functional principal component analysis. <i>Analyst</i> , 2003, 128, 75-81.  | 1.7 | 14        |

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|-----|--|-----|-----------|
| 91  | Building an Honest Tree for Mass Spectra Classification Based on Prior Logarithm Normal Distribution. <i>Journal of Data Science</i> , 2003, 1, 497-509.   | 0.5 | 3         |
| 92  | The Classification Tree Combined with SIR and Its Applications to Classification of Mass Spectra. <i>Journal of Data Science</i> , 2003, 1, 425-445.   | 0.5 | 4         |
| 93  | Orthogonalization of Block Variables by Subspace-Projection for Quantitative Structure Property Relationship (QSPR) Research. <i>Journal of Chemical Information and Computer Sciences</i> , 2002, 42, 993-1003. | 2.8 | 17        |
| 94  | Resolution of the essential constituents of <i>Ramulus cinnamomi</i> by an evolving chemometric approach. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 331-336.                                | 1.5 | 18        |
| 95  | Incorporating the prior information of spectra into identification of elution region in hyphenated chromatography. <i>Analytica Chimica Acta</i> , 2001, 428, 235-244.   | 2.6 | 8         |
| 96  | Resolution of the Embedded Chromatographic Peaks by Modified Orthogonal Projection Resolution and Entropy Maximization Method. <i>Analytical Letters</i> , 2000, 33, 2105-2128.                                  | 1.0 | 7         |
| 97  | A new method based on counterpropagation network algorithm for chemical pattern recognition. <i>Analytica Chimica Acta</i> , 1999, 388, 161-170.   | 2.6 | 12        |
| 98  | Robust linear discriminant analysis for chemical pattern recognition. <i>Journal of Chemometrics</i> , 1999, 13, 3-13.   | 0.7 | 13        |
| 99  | Evolving window orthogonal projections method for two-way data resolution. <i>Analyst, The</i> , 1999, 124, 1471-1476.   | 1.7 | 48        |
| 100 | Mimicking the olfactory system by a thickness-shear-mode acoustic sensor array. <i>Analytica Chimica Acta</i> , 1996, 335, 117-125.  | 2.6 | 7         |
| 101 | A Genome-wide Study of DNA Methylation in Nasal Epithelium and Atopy and Atopic Asthma in Children. <i>SSRN Electronic Journal</i> , 0, , .  | 0.4 | 0         |
| 102 | A genome-wide functional genomics approach uncovers genetic determinants of immune phenotypes in type 1 diabetes. <i>ELife</i> , 0, 11, .  | 2.8 | 1         |