

# Huiying Liang

## List of Publications by Citations

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**Version:** 2024-04-17

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92  
papers

3,469  
citations

17  
h-index

58  
g-index

104  
ext. papers

4,811  
ext. citations

7  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
92	Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning. <i>Cell</i> , <b>2018</b> , 172, 1122-1131.e9	56.2	1563
91	Characteristics of pediatric SARS-CoV-2 infection and potential evidence for persistent fecal viral shedding. <i>Nature Medicine</i> , <b>2020</b> , 26, 502-505	50.5	952
90	Evaluation and accurate diagnoses of pediatric diseases using artificial intelligence. <i>Nature Medicine</i> , <b>2019</b> , 25, 433-438	50.5	206
89	H3 K27M-mutant diffuse midline gliomas in different anatomical locations. <i>Human Pathology</i> , <b>2018</b> , 78, 89-96	3.7	65
88	Mucosal Profiling of Pediatric-Onset Colitis and IBD Reveals Common Pathogenics and Therapeutic Pathways. <i>Cell</i> , <b>2019</b> , 179, 1160-1176.e24	56.2	62
87	Propranolol Attenuates Surgical Stress-Induced Elevation of the Regulatory T Cell Response in Patients Undergoing Radical Mastectomy. <i>Journal of Immunology</i> , <b>2016</b> , 196, 3460-9	5.3	52
86	Machine learning applications for prediction of relapse in childhood acute lymphoblastic leukemia. <i>Scientific Reports</i> , <b>2017</b> , 7, 7402	4.9	37
85	Infant's DNA Methylation Age at Birth and Epigenetic Aging Accelerators. <i>BioMed Research International</i> , <b>2016</b> , 2016, 4515928	3	28
84	Classification of Bacterial and Viral Childhood Pneumonia Using Deep Learning in Chest Radiography <b>2018</b> ,		25
83	Molecular simulation of SARS-CoV-2 spike protein binding to pangolin ACE2 or human ACE2 natural variants reveals altered susceptibility to infection. <i>Journal of General Virology</i> , <b>2020</b> , 101, 921-924	4.9	24
82	Perioperative NT-proBNP level: Potential prognostic markers in children undergoing congenital heart disease surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 631-640	1.5	23
81	Liver Immune Profiling Reveals Pathogenesis and Therapeutics for Biliary Atresia. <i>Cell</i> , <b>2020</b> , 183, 1867-1883.e26	56.2	26
80	Effect of tobacco smoking on the epigenetic age of human respiratory organs. <i>Clinical Epigenetics</i> , <b>2019</b> , 11, 183	7.7	22
79	Evaluation of the learning curve of laparoscopic choledochal cyst excision and Roux-en-Y hepaticojejunostomy in children: CUSUM analysis of a single surgeon's experience. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2017</b> , 31, 778-787	5.2	20
78	The metabolic syndrome among postmenopausal women in rural Canton: prevalence, associated factors, and the optimal obesity and atherogenic indices. <i>PLoS ONE</i> , <b>2013</b> , 8, e74121	3.7	20
77	Distinct Disease Severity Between Children and Older Adults With Coronavirus Disease 2019 (COVID-19): Impacts of ACE2 Expression, Distribution, and Lung Progenitor Cells. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e4154-e4165	11.6	19
76	Re-emergence of dengue virus type 3 in Canton, China, 2009-2010, associated with multiple introductions through different geographical routes. <i>PLoS ONE</i> , <b>2013</b> , 8, e55353	3.7	18

75	Risk of lung cancer following nonmalignant respiratory conditions among nonsmoking women living in Shenyang, Northeast China. <i>Journal of Women's Health</i> , <b>2009</b> , 18, 1989-95	3	17
74	Early and Accurate Prediction of Clinical Response to Methotrexate Treatment in Juvenile Idiopathic Arthritis Using Machine Learning. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1155	5.6	15
73	Development of Prediction Models Using Machine Learning Algorithms for Girls with Suspected Central Precocious Puberty: Retrospective Study. <i>JMIR Medical Informatics</i> , <b>2019</b> , 7, e11728	3.6	15
72	Genetic polymorphisms in estrogen-related genes and the risk of breast cancer among Han Chinese women. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 4121-35	6.3	14
71	Using deep-learning techniques for pulmonary-thoracic segmentations and improvement of pneumonia diagnosis in pediatric chest radiographs. <i>Pediatric Pulmonology</i> , <b>2019</b> , 54, 1617-1626	3.5	13
70	Developing a Machine Learning System for Identification of Severe Hand, Foot, and Mouth Disease from Electronic Medical Record Data. <i>Scientific Reports</i> , <b>2017</b> , 7, 16341	4.9	13
69	Heterogeneity of Breast Cancer Associations with Common Genetic Variants in FGFR2 according to the Intrinsic Subtypes in Southern Han Chinese Women. <i>BioMed Research International</i> , <b>2015</b> , 2015, 626948	3.48	13
68	Metabolomic analyses reveals new stage-specific features of the COVID-19. <i>European Respiratory Journal</i> , <b>2021</b> ,	13.6	13
67	Patterns of smoking and its association with psychosocial work conditions among blue-collar and service employees of hospitality venues in Shenyang, PR China. <i>BMC Public Health</i> , <b>2010</b> , 10, 37	4.1	12
66	DNA methylation profile is a quantitative measure of biological aging in children. <i>Aging</i> , <b>2019</b> , 11, 100315-100512	5.10	12
65	The Development of a Practical Artificial Intelligence Tool for Diagnosing and Evaluating Autism Spectrum Disorder: Multicenter Study. <i>JMIR Medical Informatics</i> , <b>2020</b> , 8, e15767	3.6	12
64	Identification and validation of predictive factors for progression to severe COVID-19 pneumonia by proteomics. <i>Signal Transduction and Targeted Therapy</i> , <b>2020</b> , 5, 217	21	10
63	Effect of Financially Punished Audit and Feedback in a Pediatric Setting in China, within an Antimicrobial Stewardship Program, and as Part of an International Accreditation Process. <i>Frontiers in Public Health</i> , <b>2016</b> , 4, 99	6	10
62	Epidemiological survey and analysis on an outbreak of gastroenteritis due to water contamination. <i>Biomedical and Environmental Sciences</i> , <b>2011</b> , 24, 275-83	1.1	9
61	Combination of procalcitonin and C-reactive protein levels in the early diagnosis of bacterial co-infections in children with H1N1 influenza. <i>Influenza and Other Respiratory Viruses</i> , <b>2019</b> , 13, 184-190	5.6	9
60	Effects and Tolerance of Protein and Energy-Enriched Formula in Infants Following Congenital Heart Surgery: A Randomized Controlled Trial. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2018</b> , 42, 196-204	4.24	9
59	Clinical analysis and pluripotent stem cells-based model reveal possible impacts of ACE2 and lung progenitor cells on infants vulnerable to COVID-19. <i>Theranostics</i> , <b>2021</b> , 11, 2170-2181	12.1	8
58	Clinical manifestation and islet $\beta$ cell function of a subtype of latent autoimmune diabetes in adults (LADA): positive for T cell responses in phenotypic type 2 diabetes. <i>Acta Diabetologica</i> , <b>2019</b> , 56, 1225-1230	3.9	7

57	Interrelationship of rotavirus infection and Creatine Kinase-MB isoenzyme levels in children hospitalized with acute gastroenteritis in Guangzhou, China, 2012-2015. <i>Scientific Reports</i> , <b>2017</b> , 7, 7674	4.9	6
56	Middle-term bowel function and quality of life in low-type anorectal malformation. <i>Italian Journal of Pediatrics</i> , <b>2019</b> , 45, 98	3.2	5
55	Comparative analysis of clinical features of SARS-CoV-2 and adenovirus infection among children. <i>Virology Journal</i> , <b>2020</b> , 17, 193	6.1	5
54	Ambient air pollutants aggravate association of snoring with prevalent hypertension: results from the Henan Rural Cohort. <i>Chemosphere</i> , <b>2020</b> , 256, 127108	8.4	5
53	Research on the health of and interventions for family caregivers of people with dementia: a bibliometric analysis of research output during 1988-2018. <i>BMC Geriatrics</i> , <b>2020</b> , 20, 20	4.1	5
52	Magnetic resonance imaging based correlation analysis between calcarine sulcus development and isolated fetal ventriculomegaly. <i>Congenital Anomalies (discontinued)</i> , <b>2017</b> , 57, 52-56	1.1	5
51	SARS-CoV-2 infection in China-Before the pandemic. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e00084728	7.28	5
50	Early Prediction of Clinical Response to Etanercept Treatment in Juvenile Idiopathic Arthritis Using Machine Learning. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 1164	5.6	5
49	Evaluation of Physical Fitness in Children With Congenital Heart Diseases Versus Healthy Population. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 32, 906-915	1.7	4
48	Associations of Genetic Variants at Nongenetic Susceptibility Loci with Breast Cancer Risk and Heterogeneity by Tumor Subtype in Southern Han Chinese Women. <i>BioMed Research International</i> , <b>2016</b> , 2016, 3065493	3	4
47	Optimal use of peri-operative human chorionic gonadotrophin concentrations to identify persistent ectopic pregnancy after laparoscopic salpingostomy: a retrospective cohort study. <i>Reproductive BioMedicine Online</i> , <b>2018</b> , 36, 361-368	4	3
46	Machine Learning Algorithms Identify Pathogen-Specific Biomarkers of Clinical and Metabolomic Characteristics in Septic Patients with Bacterial Infections. <i>BioMed Research International</i> , <b>2020</b> , 2020, 6950576	3	3
45	Islet Function and Insulin Sensitivity in Latent Autoimmune Diabetes in Adults Taking Sitagliptin: A Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e1529-e1541	5.6	3
44	Effectiveness of analgesia with hydromorphone hydrochloride for postoperative pain following surgical repair of structural congenital malformations in children: a randomized controlled trial. <i>BMC Anesthesiology</i> , <b>2021</b> , 21, 192	2.4	3
43	Accuracy Comparison Between Age-Adapted SOFA and SIRS in Predicting in-Hospital Mortality of Infected Children at China's PICU. <i>Shock</i> , <b>2019</b> , 52, 347-352	3.4	2
42	Change in N-terminal pro B-type natriuretic peptide levels and clinical outcomes in children undergoing congenital heart surgery. <i>International Journal of Cardiology</i> , <b>2019</b> , 283, 96-100	3.2	2
41	Are there differences in pain intensity between two consecutive vaginal childbirths? A retrospective cohort study. <i>International Journal of Nursing Studies</i> , <b>2020</b> , 105, 103549	5.8	2
40	New Criterion to Evaluate Acute-on-Chronic Kidney Injury Based on the Creatinine Reference Change. <i>American Journal of Nephrology</i> , <b>2020</b> , 51, 453-462	4.6	2

39	Pathophysiological characteristics in patients with latent autoimmune diabetes in adults using clamp tests: evidence of a continuous disease spectrum of diabetes. <i>Acta Diabetologica</i> , <b>2019</b> , 56, 1217-1224	3.9	2
38	Formation of the calcarine sulcus: a potential marker to predict the progression in utero of isolated mild fetal ventriculomegaly. <i>Medicine (United States)</i> , <b>2017</b> , 96, e7506	1.8	2
37	Comparison of clinical features on admission between coronavirus disease 2019 and influenza a among children: a retrospective study in China. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 365	4	2
36	Identifying risk factors for neurological complications and monitoring long-term neurological sequelae: protocol for the Guangzhou prospective cohort study on hand-foot-and-mouth disease. <i>BMJ Open</i> , <b>2019</b> , 9, e027224	3	2
35	Prognostic value of perioperative NT-proBNP after corrective surgery for pediatric congenital heart defects. <i>BMC Pediatrics</i> , <b>2019</b> , 19, 497	2.6	2
34	Treatment of C-section diverticula with hysteroscopic resection in women without childbearing intention: a retrospective cohort study. <i>BMC Women's Health</i> , <b>2020</b> , 20, 75	2.9	2
33	Integrated Systems Analysis Explores Dysfunctional Molecular Modules and Regulatory Factors in Children with Autism Spectrum Disorder. <i>Journal of Molecular Neuroscience</i> , <b>2021</b> , 71, 358-368	3.3	2
32	A model for predicting 7-day pressure injury outcomes in paediatric patients: A machine learning approach. <i>Journal of Advanced Nursing</i> , <b>2021</b> , 77, 1304-1314	3.1	2
31	Downregulation of T-Cell Transcription Factors in Adult Latent Autoimmune Diabetes with High-Titer Glutamic Acid Decarboxylase Antibody. <i>Diabetes Therapy</i> , <b>2019</b> , 10, 917-927	3.6	1
30	Distinguishing Kawasaki Disease from Febrile Infectious Disease Using Gene Pair Signatures. <i>BioMed Research International</i> , <b>2020</b> , 2020, 6539398	3	1
29	Gender difference in association of NEDD4L gene variants among southern Han Chinese with essential hypertension - a population-based case-control study. <i>Clinical and Experimental Hypertension</i> , <b>2014</b> , 36, 309-14	2.2	1
28	The association between the pattern of change in N-terminal pro-B-type natriuretic peptide and short-term outcomes in children undergoing surgery for congenital heart disease. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2021</b> , 32, 601-606	1.8	1
27	Machine learning identifies girls with central precocious puberty based on multisource data. <i>JAMIA Open</i> , <b>2020</b> , 3, 567-575	2.9	1
26	Recognition of Child Congenital Heart Disease using Electrocardiogram based on Residual of Residual Network <b>2020</b> ,		1
25	Network analysis of autistic disease comorbidities in Chinese children based on ICD-10 codes. <i>BMC Medical Informatics and Decision Making</i> , <b>2020</b> , 20, 268	3.6	1
24	Preoperative and operation-related risk factors for postoperative nosocomial infections in pediatric patients: A retrospective cohort study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0225607	3.7	1
23	Image-based deep learning in diagnosing the etiology of pneumonia on pediatric chest X-rays. <i>Pediatric Pulmonology</i> , <b>2021</b> , 56, 1036-1044	3.5	1
22	Diagnostic value of combined islet antigen-reactive T cells and autoantibodies assays for type 1 diabetes mellitus. <i>Journal of Diabetes Investigation</i> , <b>2021</b> , 12, 963-969	3.9	1

21	Normalization of N-Terminal Pro-B-Type Natriuretic Peptide After Cardiac Surgery Among Children With Tetralogy of Fallot. <i>American Journal of Cardiology</i> , <b>2018</b> , 122, 2125-2130	3	1
20	Relationship between perioperative N-terminal pro-brain natriuretic peptide and maximum inotropic score in children after cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 2619-2621	1.5	1
19	Drug repositioning based on network-specific core genes identifies potential drugs for the treatment of autism spectrum disorder in children. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 3908-3921	6.8	1
18	Insights into pathological mutations in insulin-like growth factor I through in silico screening and molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , <b>2019</b> , 25, 276	2	0
17	Bowel management program for pediatric postoperative fecal incontinence in China: A surgeon's experience. <i>Medicine (United States)</i> , <b>2017</b> , 96, e7078	1.8	0
16	Parental Self-efficacy and Health-related Outcomes Among Children with Hirschsprung Disease: A Cross-sectional Study. <i>Journal of Pediatric Nursing</i> , <b>2020</b> , 53, e164-e170	2.2	0
15	Subgrouping by gene expression profiles to improve relapse risk prediction in paediatric B-precursor acute lymphoblastic leukaemia. <i>Cancer Medicine</i> , <b>2021</b> , 10, 3782-3793	4.8	0
14	Modified endometriosis fertility index is more accurate to predict the non-ART pregnancy rate following surgery: a cohort of Chinese women. <i>Archives of Gynecology and Obstetrics</i> , <b>2021</b> , 303, 1353-1361	2.5	0
13	Negative Conversion Rate of SARS-CoV-2 Infection. <i>JAMA Internal Medicine</i> , <b>2021</b> , 181, 566	11.5	0
12	Early Prediction of Tacrolimus-Induced Tubular Toxicity in Pediatric Refractory Nephrotic Syndrome Using Machine Learning. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 638724	5.6	0
11	Multimodal AI System for the Rapid Diagnosis and Surgical Prediction of Necrotizing Enterocolitis. <i>IEEE Access</i> , <b>2021</b> , 9, 51050-51064	3.5	0
10	Insulin resistance biomarkers in small-for-gestational-age infants born to mothers with gestational diabetes mellitus.. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2021</b> , 1-5	2	0
9	Evaluation of cerebrospinal fluid and blood parameters finding in early diagnosis and drug therapy of suspected bacterial meningitis in neonates. <i>Journal of Research in Medical Sciences</i> , <b>2020</b> , 25, 77	1.6	
8	Clinical Characteristics and Outcomes of Severe Pneumonia in Children Under 5 Years Old With and Without Adenovirus Infection in Guangzhou. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 599500	3.4	
7	Rapid and automatic assessment of early gestational age using computer vision and biometric measurements based on ultrasound video.. <i>Quantitative Imaging in Medicine and Surgery</i> , <b>2022</b> , 12, 2247-2260	3.6	
6	Response to the Letter to the Editor from Valdemar Grill et al: "Islet Function and Insulin Sensitivity in Latent Autoimmune Diabetes in Adults Taking Sitagliptin: A Randomized Trial". <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e4304-e4305	5.6	
5	A Novel Approach of Feature Space Reconstruction with Three-Way Decisions for Long-Tailed Text Classification.. <i>Computational Intelligence and Neuroscience</i> , <b>2022</b> , 2022, 3183469	3	
4	Preoperative and operation-related risk factors for postoperative nosocomial infections in pediatric patients: A retrospective cohort study <b>2019</b> , 14, e0225607		

- 3 Preoperative and operation-related risk factors for postoperative nosocomial infections in pediatric patients: A retrospective cohort study **2019**, 14, e0225607
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