

# Jun Zhu

## List of Publications by Citations

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96  
papers

3,273  
citations

22  
h-index

56  
g-index

113  
ext. papers

4,469  
ext. citations

6.2  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
96	Global, regional, and national causes of under-5 mortality in 2000-15: an updated systematic analysis with implications for the Sustainable Development Goals. <i>Lancet, The</i> , <b>2016</b> , 388, 3027-3035	40	1530
95	Low-Temperature In Situ Amino Functionalization of TiO Nanoparticles Sharpens Electron Management Achieving over 21% Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806095	24	136
94	Birth weight reference percentiles for Chinese. <i>PLoS ONE</i> , <b>2014</b> , 9, e104779	3.7	135
93	Temperature-assisted rapid nucleation: a facile method to optimize the film morphology for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20327-20333	13	125
92	Quality of primary health care in China: challenges and recommendations. <i>Lancet, The</i> , <b>2020</b> , 395, 1802-1812	14.1	122
91	Relaxation of the one child policy and trends in caesarean section rates and birth outcomes in China between 2012 and 2016: observational study of nearly seven million health facility births. <i>BMJ, The</i> , <b>2018</b> , 360, k817	5.9	87
90	National and subnational all-cause and cause-specific child mortality in China, 1996-2015: a systematic analysis with implications for the Sustainable Development Goals. <i>The Lancet Global Health</i> , <b>2017</b> , 5, e186-e197	13.6	86
89	Under-5 mortality in 2851 Chinese counties, 1996-2012: a subnational assessment of achieving MDG 4 goals in China. <i>Lancet, The</i> , <b>2016</b> , 387, 273-83	40	78
88	Maternal mortality ratios in 2852 Chinese counties, 1996-2015, and achievement of Millennium Development Goal 5 in China: a subnational analysis of the Global Burden of Disease Study 2016. <i>Lancet, The</i> , <b>2019</b> , 393, 241-252	40	52
87	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CHNHPbI to Phase-Pure CHNHPbCl via Hydrochloric Acid Vapor Annealing Post-Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1897-1908	9.5	49
86	Sociodemographic and obstetric characteristics of stillbirths in China: a census of nearly 4 million health facility births between 2012 and 2014. <i>The Lancet Global Health</i> , <b>2016</b> , 4, e109-18	13.6	49
85	A Lancet Commission on 70 years of women's reproductive, maternal, newborn, child, and adolescent health in China. <i>Lancet, The</i> , <b>2021</b> , 397, 2497-2536	40	38
84	Maternal exposure to arsenic and cadmium and the risk of congenital heart defects in offspring. <i>Reproductive Toxicology</i> , <b>2016</b> , 59, 109-16	3.4	37
83	Facile fabrication of perovskite layers with large grains through a solvent exchange approach. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 348-353	6.8	34
82	Maternal exposure to ambient PM during pregnancy increases the risk of congenital heart defects: Evidence from machine learning models. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1-10	10.2	33
81	Molecular characterisation of phenylketonuria in a Chinese mainland population using next-generation sequencing. <i>Scientific Reports</i> , <b>2015</b> , 5, 15769	4.9	31
80	Exome-wide association study identifies four novel loci for systemic lupus erythematosus in Han Chinese population. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 417	2.4	31

79	Maternal lead exposure and risk of congenital heart defects occurrence in offspring. <i>Reproductive Toxicology</i> , <b>2015</b> , 51, 1-6	3.4	30
78	Hypertensive disorders in pregnancy and stillbirth rates: a facility-based study in China. <i>Bulletin of the World Health Organization</i> , <b>2018</b> , 96, 531-539	8.2	29
77	Epidemiologic characteristics and time trend in the prevalence of anotia and microtia in China. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , <b>2016</b> , 106, 88-94		27
76	Is maternal smoking during pregnancy associated with an increased risk of congenital heart defects among offspring? A systematic review and meta-analysis of observational studies. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2017</b> , 30, 645-657	2	26
75	Synthesis and biological evaluation of novel pyrazoline derivatives as potent anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2429-33	2.9	26
74	Manipulation of Thermally Activated Delayed Fluorescence of Blue Exciplex Emission: Fully Utilizing Exciton Energy for Highly Efficient Organic Light Emitting Diodes with Low Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21346-21354	9.5	22
73	Incidence of congenital hypothyroidism in China: data from the national newborn screening program, 2013-2015. <i>Journal of Pediatric Endocrinology and Metabolism</i> , <b>2018</b> , 31, 601-608	1.6	21
72	Assessment of interaction between maternal polycyclic aromatic hydrocarbons exposure and genetic polymorphisms on the risk of congenital heart diseases. <i>Scientific Reports</i> , <b>2018</b> , 8, 3075	4.9	20
71	Pneumonia Mortality among Children under 5 in China from 1996 to 2013: An Analysis from National Surveillance System. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133620	3.7	20
70	Prior caesarean section and likelihood of vaginal birth, 2012-2016, China. <i>Bulletin of the World Health Organization</i> , <b>2018</b> , 96, 548-557	8.2	18
69	Thermally activated delayed fluorescence of co-deposited copper(I) complexes: cost-effective emitters for highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6982-6988 <sup>17</sup>	7.1	17
68	The role of doppler waveforms in the fetal main pulmonary artery in the prediction of neonatal respiratory distress syndrome. <i>Journal of Clinical Ultrasound</i> , <b>2015</b> , 43, 375-83	1	17
67	Association between maternal aluminum exposure and the risk of congenital heart defects in offspring. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , <b>2016</b> , 106, 95-103		16
66	The Sex Ratio at Birth for 5,338,853 Deliveries in China from 2012 to 2015: A Facility-Based Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167575	3.7	15
65	Tuning helical twisting power and photoisomerisation kinetics of axially chiral cyclic azobenzene dopants in cholesteric liquid crystals. <i>Liquid Crystals</i> , <b>2019</b> , 46, 2181-2189	2.3	14
64	Low birthweight in China: evidence from 441 health facilities between 2012 and 2014. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2017</b> , 30, 1997-2002	2	14
63	Modification of the association between maternal smoke exposure and congenital heart defects by polymorphisms in glutathione S-transferase genes. <i>Scientific Reports</i> , <b>2015</b> , 5, 14915	4.9	14
62	Correlation between genotype and the tetrahydrobiopterin-responsive phenotype in Chinese patients with phenylketonuria. <i>Pediatric Research</i> , <b>2015</b> , 78, 691-9	3.2	13

61	Barium exposure increases the risk of congenital heart defects occurrence in offspring. <i>Clinical Toxicology</i> , <b>2018</b> , 56, 132-139	2.9	13
60	Perinatal mortality in pregnancies with omphalocele: data from the Chinese national birth defects monitoring network, 1996-2006. <i>BMC Pediatrics</i> , <b>2014</b> , 14, 160	2.6	12
59	A novel missense NMNAT1 mutation identified in a consanguineous family with Leber congenital amaurosis by targeted next generation sequencing. <i>Gene</i> , <b>2015</b> , 569, 104-8	3.8	12
58	Population data of 15 STR in Chinese Han population from north of Guangdong. <i>Journal of Forensic Sciences</i> , <b>2005</b> , 50, 1510-1	1.8	12
57	Genetic polymorphisms of 15 STR in Chinese Salar ethnic minority group. <i>Forensic Science International</i> , <b>2007</b> , 173, 210-3	2.6	11
56	Under-5-Years Child Mortality Due to Congenital Anomalies: A Retrospective Study in Urban and Rural China in 1996-2013. <i>American Journal of Preventive Medicine</i> , <b>2016</b> , 50, 663-671	6.1	11
55	Metal nickel exposure increase the risk of congenital heart defects occurrence in offspring: A case-control study in China. <i>Medicine (United States)</i> , <b>2019</b> , 98, e15352	1.8	11
54	Prevalence of neural tube defect pregnancies in China and the impact of gestational age of the births from 2006 to 2008: a hospital-based study. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , <b>2012</b> , 25, 1730-4	2	10
53	Neonatal mortality in the urban and rural China between 1996 and 2013: a retrospective study. <i>Pediatric Research</i> , <b>2016</b> , 79, 689-96	3.2	9
52	Epidemiological characteristics of holoprosencephaly in China, 2007-2014: A retrospective study based on the national birth defects surveillance system. <i>PLoS ONE</i> , <b>2019</b> , 14, e0217835	3.7	8
51	Phenotypic characterization and genetic mapping of a new gene required for male and female gametophyte development in rice. <i>Molecular Breeding</i> , <b>2012</b> , 29, 1-12	3.4	8
50	Phenylketonuria incidence in China between 2013 and 2017 based on data from the Chinese newborn screening information system: a descriptive study. <i>BMJ Open</i> , <b>2019</b> , 9, e031474	3	8
49	Preterm births in China between 2012 and 2018: an observational study of more than 9 million women. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e1226-e1241	13.6	8
48	Injury-related mortality among children younger than 5 years in China during 2009-2016: an analysis from national surveillance system. <i>Injury Prevention</i> , <b>2019</b> , 25, 60-66	3.2	7
47	Analysis of the genotype-phenotype correlation in patients with phenylketonuria in mainland China. <i>Scientific Reports</i> , <b>2018</b> , 8, 11251	4.9	7
46	Molecular genetics of tetrahydrobiopterin deficiency in Chinese patients. <i>Journal of Pediatric Endocrinology and Metabolism</i> , <b>2018</b> , 31, 911-916	1.6	7
45	A variant on chromosome 2p13.3 is associated with atopic dermatitis in Chinese Han population. <i>Gene</i> , <b>2017</b> , 628, 281-285	3.8	7
44	Synthesis and photophysical properties of carboline derivatives and their applications in OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , <b>2017</b> , 651, 133-141	0.5	7

43	Geographic disparities in pneumonia-specific under-five mortality rates in Mainland China from 1996 to 2015: a population-based study. <i>International Journal of Infectious Diseases</i> , <b>2017</b> , 59, 7-13	10.5	6
42	Fine particulate matter air pollution and under-5 children mortality in China: A national time-stratified case-crossover study. <i>Environment International</i> , <b>2021</b> , 159, 107022	12.9	6
41	Incidence of inborn errors of metabolism detected by tandem mass spectrometry in China: A census of over seven million newborns between 2016 and 2017. <i>Journal of Medical Screening</i> , <b>2021</b> , 28, 223-229	1.4	6
40	Prevalence of postterm births and associated maternal risk factors in China: data from over 6 million births at health facilities between 2012 and 2016. <i>Scientific Reports</i> , <b>2019</b> , 9, 273	4.9	5
39	Spatiotemporal trends and ecological determinants in maternal mortality ratios in 2,205 Chinese counties, 2010-2013: A Bayesian modelling analysis. <i>PLoS Medicine</i> , <b>2020</b> , 17, e1003114	11.6	5
38	Long-term trends and seasonality of omphalocele during 1996-2010 in China: a retrospective analysis based on the hospital-based birth defects surveillance system. <i>BMC Pregnancy and Childbirth</i> , <b>2015</b> , 15, 102	3.2	5
37	MovStream: An efficient algorithm for monitoring clusters evolving in data streams <b>2008</b> ,		5
36	The national maternal near miss surveillance in China: A facility-based surveillance system covered 30 provinces. <i>Medicine (United States)</i> , <b>2019</b> , 98, e17679	1.8	5
35	Communicable disease mortality trends and characteristics of infants in rural China, 1996-2015. <i>BMC Public Health</i> , <b>2020</b> , 20, 455	4.1	4
34	Synthesis and biological evaluation of 4-oxoquinoline-3-carboxamides derivatives as potent anti-fibrosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 5666-5670	2.9	4
33	Newborn hearing screening coverage and detection rates of hearing impairment across China from 2008-2016. <i>BMC Pediatrics</i> , <b>2020</b> , 20, 360	2.6	4
32	A Rapid and Sensitive Method of Determination of 1-Hydroxypyrene Glucuronide in Urine by UPLC/MS. <i>Chromatographia</i> , <b>2019</b> , 82, 835-842	2.1	3
31	Amniotic fluid embolism as a cause of maternal mortality in China between 1996 and 2013: a population-based retrospective study. <i>BMC Pregnancy and Childbirth</i> , <b>2016</b> , 16, 316	3.2	3
30	The effect on congenital heart diseases of maternal EPHX1 polymorphisms modified by polycyclic aromatic hydrocarbons exposure. <i>Medicine (United States)</i> , <b>2019</b> , 98, e16556	1.8	3
29	Neonatal mortality and leading causes of deaths: a descriptive study in China, 2014-2018. <i>BMJ Open</i> , <b>2021</b> , 11, e042654	3	3
28	Postnatal growth in preterm infants during the first year of life: A population-based cohort study in China. <i>PLoS ONE</i> , <b>2019</b> , 14, e0213762	3.7	2
27	Changes in prevalence and perinatal outcomes of congenital hydrocephalus among Chinese newborns: a retrospective analysis based on the hospital-based birth defects surveillance system. <i>BMC Pregnancy and Childbirth</i> , <b>2017</b> , 17, 406	3.2	2
26	Speaker recognition based on the improved double-threshold endpoint algorithm and multistage vector quantization <b>2017</b> ,		2

25	Association between metal cobalt exposure and the risk of congenital heart defect occurrence in offspring: a multi-hospital case-control study. <i>Environmental Health and Preventive Medicine</i> , <b>2020</b> , 25, 38	4.2	2
24	An Adaptive Spectrum Allocation Algorithm in Ultra-Dense Network <b>2018</b> ,		2
23	Incidence, trends and risk factors for obstetric massive blood transfusion in China from 2012 to 2019: an observational study. <i>BMJ Open</i> , <b>2021</b> , 11, e047983	3	2
22	Association of maternal disease and medication use with the risk of congenital heart defects in offspring: a case-control study using logistic regression with a random-effects model. <i>Journal of Perinatal Medicine</i> , <b>2019</b> , 47, 455-463	2.7	1
21	Social and environmental risk factors for the accidental drowning of children under five in China. <i>BMC Public Health</i> , <b>2020</b> , 20, 1553	4.1	1
20	A novel orally available Syk/Src/Jak2 inhibitor, SKLB-850, showed potent anti-tumor activities in B cell lymphoma (BCL) models. <i>Oncotarget</i> , <b>2017</b> , 8, 111495-111507	3.3	1
19	High maternal selenium levels are associated with increased risk of congenital heart defects in the offspring. <i>Prenatal Diagnosis</i> , <b>2019</b> , 39, 1107-1114	3.2	1
18	Provincial-level outcomes of China's Reducing maternal mortality and eliminating neonatal tetanus program. <i>Scientific Reports</i> , <b>2020</b> , 10, 13328	4.9	1
17	Association between prepregnancy body mass index and risk of congenital heart defects in offspring: an ambispective observational study in China. <i>BMC Pregnancy and Childbirth</i> , <b>2020</b> , 20, 444	3.2	1
16	The incidence, risk factors and maternal and foetal outcomes of uterine rupture during different birth policy periods: an observational study in China. <i>BMC Pregnancy and Childbirth</i> , <b>2021</b> , 21, 360	3.2	1
15	Characteristics and adverse outcomes of Chinese adolescent pregnancies between 2012 and 2019. <i>Scientific Reports</i> , <b>2021</b> , 11, 12508	4.9	1
14	Geographic variations in the incidence of congenital hypothyroidism in China: a retrospective study based on 92 million newborns screened in 2013-2018. <i>Chinese Medical Journal</i> , <b>2021</b> , 134, 2223-2230	2.9	1
13	Apgar score and neonatal mortality in China: an observational study from a national surveillance system. <i>BMC Pregnancy and Childbirth</i> , <b>2021</b> , 21, 47	3.2	1
12	Breastfeeding practice in China from 2013 to 2018: a study from a national dynamic follow-up surveillance. <i>BMC Public Health</i> , <b>2021</b> , 21, 329	4.1	1
11	Maternal trichloroethylene exposure and metabolic gene polymorphisms may interact during fetal cardiovascular malformation. <i>Reproductive Toxicology</i> , <b>2021</b> , 106, 1-8	3.4	1
10	Risk of congenital heart diseases associated with NAT2 genetic polymorphisms and maternal polycyclic aromatic hydrocarbons exposure. <i>Prenatal Diagnosis</i> , <b>2019</b> , 39, 968-975	3.2	0
9	Social and environmental risk factors for unintentional suffocation among infants in China: a descriptive analysis. <i>BMC Pediatrics</i> , <b>2021</b> , 21, 465	2.6	0
8	The trends and associated adverse maternal and perinatal outcomes of labour neuraxial analgesia among vaginal deliveries in China between 2012 and 2019: a real-world observational evidence. <i>BMC Medicine</i> , <b>2021</b> , 19, 74	11.4	0

7	Birth prevalence of tetrahydrobiopterin deficiency in China: data from the national newborn screening program, 2013-2019. <i>Journal of Pediatric Endocrinology and Metabolism</i> , <b>2021</b> , 34, 835-841	1.6	○
6	Spatio-Temporal Extraction of Surface Waterbody and Its Response of Extreme Climate along the Upper Huaihe River. <i>Sustainability</i> , <b>2022</b> , 14, 3223	3.6	○
5	Preterm neonatal mortality in China during 2009-2018: A retrospective study. <i>PLoS ONE</i> , <b>2021</b> , 16, e0260611	3.7	○
4	Unintended pregnancy-related factors and the occurrence of offspring congenital heart disease: a multi-site case-control study in China. <i>European Journal of Contraception and Reproductive Health Care</i> , <b>2021</b> , 26, 221-226	1.8	
3	Protocol of a prospective and multicentre China Teratology Birth Cohort (CTBC): association of maternal drug exposure during pregnancy with adverse pregnancy outcomes. <i>BMC Pregnancy and Childbirth</i> , <b>2021</b> , 21, 593	3.2	
2	Pregnancy complications and risk of uterine rupture among women with singleton pregnancies in China.. <i>BMC Pregnancy and Childbirth</i> , <b>2022</b> , 22, 131	3.2	
1	Geographical disparities in infant mortality in the rural areas of China: a descriptive study, 2010-2018.. <i>BMC Pediatrics</i> , <b>2022</b> , 22, 264	2.6	