

Jun Zhu

List of Publications by Year in descending order

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101
papers

5,501
citations

186209

28
h-index

88593

70
g-index

113
all docs

113
docs citations

113
times ranked

9220
citing authors

#	ARTICLE	IF	CITATIONS
1	Global, regional, and national causes of under-5 mortality in 2000â€“15: an updated systematic analysis with implications for the Sustainable Development Goals. <i>Lancet, The</i> , 2016, 388, 3027-3035.	6.3	2,406
2	Quality of primary health care in China: challenges and recommendations. <i>Lancet, The</i> , 2020, 395, 1802-1812.	6.3	391
3	Birth Weight Reference Percentiles for Chinese. <i>PLoS ONE</i> , 2014, 9, e104779.	1.1	217
4	Lowâ€“Temperature In Situ Amino Functionalization of TiO ₂ Nanoparticles Sharpens Electron Management Achieving over 21% Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1806095.	11.1	194
5	A Lancet Commission on 70 years of women's reproductive, maternal, newborn, child, and adolescent health in China. <i>Lancet, The</i> , 2021, 397, 2497-2536.	6.3	189
6	Temperature-assisted rapid nucleation: a facile method to optimize the film morphology for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20327-20333.	5.2	148
7	National and subnational all-cause and cause-specific child mortality in China, 1996â€“2015: a systematic analysis with implications for the Sustainable Development Goals. <i>The Lancet Global Health</i> , 2017, 5, e186-e197.	2.9	135
8	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: British Medical Journal</i> , 2018, 360, k817.	2.4	128
9	Under-5 mortality in 2851 Chinese counties, 1996â€“2012: a subnational assessment of achieving MDG 4 goals in China. <i>Lancet, The</i> , 2016, 387, 273-283.	6.3	109
10	Maternal mortality ratios in 2852 Chinese counties, 1996â€“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> , 2019, 393, 241-252.	6.3	84
11	Preterm births in China between 2012 and 2018: an observational study of more than 9 million women. <i>The Lancet Global Health</i> , 2021, 9, e1226-e1241.	2.9	81
12	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> , 2016, 4, e109-e118.	2.9	62
13	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CH ₃ NH ₃ PbI ₃ to Phase-Pure CH ₃ NH ₃ PbCl ₃ via Hydrochloric Acid Vapor Annealing Post-Treatment. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1897-1908.	4.0	62
14	Maternal exposure to arsenic and cadmium and the risk of congenital heart defects in offspring. <i>Reproductive Toxicology</i> , 2016, 59, 109-116.	1.3	59
15	Maternal exposure to ambient PM10 during pregnancy increases the risk of congenital heart defects: Evidence from machine learning models. <i>Science of the Total Environment</i> , 2018, 630, 1-10.	3.9	50
16	Exome-wide association study identifies four novel loci for systemic lupus erythematosus in Han Chinese population. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 417-417.	0.5	50
17	Hypertensive disorders in pregnancy and stillbirth rates: a facility-based study in China. <i>Bulletin of the World Health Organization</i> , 2018, 96, 531-539.	1.5	50
18	Maternal lead exposure and risk of congenital heart defects occurrence in offspring. <i>Reproductive Toxicology</i> , 2015, 51, 1-6.	1.3	47

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19	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> , 2016, 106, 88-94.	1.6	45
20	Molecular characterisation of phenylketonuria in a Chinese mainland population using next-generation sequencing. <i>Scientific Reports</i> , 2015, 5, 15769.	1.6	41
21	Incidence of congenital hypothyroidism in China: data from the national newborn screening program, 2013–2015. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 601-608.	0.4	37
22	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> , 2017, 30, 645-657.	0.7	36
23	Facile fabrication of perovskite layers with large grains through a solvent exchange approach. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 348-353.	3.0	34
24	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> , 2015, 43, 375-383.	0.4	31
25	Synthesis and biological evaluation of novel pyrazoline derivatives as potent anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2429-2433.	1.0	31
26	Pneumonia Mortality among Children under 5 in China from 1996 to 2013: An Analysis from National Surveillance System. <i>PLoS ONE</i> , 2015, 10, e0133620.	1.1	30
27	Assessment of interaction between maternal polycyclic aromatic hydrocarbons exposure and genetic polymorphisms on the risk of congenital heart diseases. <i>Scientific Reports</i> , 2018, 8, 3075.	1.6	30
28	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 & Interfaces</i> , 2017, 9, 21346-21354.	4.0	29
29	Prior caesarean section and likelihood of vaginal birth, 2012–2016, China. <i>Bulletin of the World Health Organization</i> , 2018, 96, 548-557.	1.5	26
30	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> , 2019, 9, e031474.	0.8	25
31	Fine particulate matter air pollution and under-5 children mortality in China: A national time-stratified case-crossover study. <i>Environment International</i> , 2022, 159, 107022.	4.8	24
32	Metal nickel exposure increase the risk of congenital heart defects occurrence in offspring. <i>Medicine (United States)</i> , 2019, 98, e15352.	0.4	23
33	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> , 2016, 106, 95-103.	1.6	22
34	Barium exposure increases the risk of congenital heart defects occurrence in offspring. <i>Clinical Toxicology</i> , 2018, 56, 132-139.	0.8	22
35	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> , 2021, 28, 223-229.	1.1	20
36	Low birthweight in China: evidence from 441 health facilities between 2012 and 2014. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2017, 30, 1997-2002.	0.7	19

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37	Correlation between genotype and the tetrahydrobiopterin-responsive phenotype in Chinese patients with phenylketonuria. <i>Pediatric Research</i> , 2015, 78, 691-699.	1.1	18
38	Under-5-Years Child Mortality Due to Congenital Anomalies. <i>American Journal of Preventive Medicine</i> , 2016, 50, 663-671.	1.6	18
39	Thermally activated delayed fluorescence of co-deposited copper(<i>scp</i>) complexes: cost-effective emitters for highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6982-6988.	2.7	18
40	Analysis of the genotype-phenotype correlation in patients with phenylketonuria in mainland China. <i>Scientific Reports</i> , 2018, 8, 11251.	1.6	18
41	Molecular genetics of tetrahydrobiopterin deficiency in Chinese patients. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 911-916.	0.4	18
42	The Sex Ratio at Birth for 5,338,853 Deliveries in China from 2012 to 2015: A Facility-Based Study. <i>PLoS ONE</i> , 2016, 11, e0167575.	1.1	18
43	Perinatal mortality in pregnancies with omphalocele: data from the Chinese national birth defects monitoring network, 1996-2006. <i>BMC Pediatrics</i> , 2014, 14, 160.	0.7	17
44	Modification of the association between maternal smoke exposure and congenital heart defects by polymorphisms in glutathione S-transferase genes. <i>Scientific Reports</i> , 2015, 5, 14915.	1.6	17
45	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> , 2012, 25, 1730-1734.	0.7	15
46	Tuning helical twisting power and photoisomerisation kinetics of axially chiral cyclic azobenzene dopants in cholesteric liquid crystals. <i>Liquid Crystals</i> , 2019, 46, 2181-2189.	0.9	15
47	The national maternal near miss surveillance in China. <i>Medicine (United States)</i> , 2019, 98, e17679.	0.4	15
48	Spatiotemporal trends and ecological determinants in maternal mortality ratios in 2,205 Chinese counties, 2010-2013: A Bayesian modelling analysis. <i>PLoS Medicine</i> , 2020, 17, e1003114.	3.9	15
49	A novel missense NMNAT1 mutation identified in a consanguineous family with Leber congenital amaurosis by targeted next generation sequencing. <i>Gene</i> , 2015, 569, 104-108.	1.0	14
50	Apgar score and neonatal mortality in China: an observational study from a national surveillance system. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 47.	0.9	14
51	Genetic polymorphisms of 15 STR in chinese salar ethnic minority group. <i>Forensic Science International</i> , 2007, 173, 210-213.	1.3	13
52	Neonatal mortality in the urban and rural China between 1996 and 2013: a retrospective study. <i>Pediatric Research</i> , 2016, 79, 689-696.	1.1	13
53	Social and environmental risk factors for the accidental drowning of children under five in China. <i>BMC Public Health</i> , 2020, 20, 1553.	1.2	13
54	Postnatal growth in preterm infants during the first year of life: A population-based cohort study in China. <i>PLoS ONE</i> , 2019, 14, e0213762.	1.1	12

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55	Population data of 15 STR in Chinese Han population from north of Guangdong. <i>Journal of Forensic Sciences</i> , 2005, 50, 1510-1.	0.9	12
56	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> , 2019, 9, 273.	1.6	11
57	Epidemiological characteristics of holoprosencephaly in China, 2007-2014: A retrospective study based on the national birth defects surveillance system. <i>PLoS ONE</i> , 2019, 14, e0217835.	1.1	11
58	Neonatal mortality and leading causes of deaths: a descriptive study in China, 2014â€“2018. <i>BMJ Open</i> , 2021, 11, e042654.	0.8	11
59	Phenotypic characterization and genetic mapping of a new gene required for male and female gametophyte development in rice. <i>Molecular Breeding</i> , 2012, 29, 1-12.	1.0	10
60	Injury-related mortality among children younger than 5 years in China during 2009â€“2016: an analysis from national surveillance system. <i>Injury Prevention</i> , 2019, 25, 60-66.	1.2	10
61	A variant on chromosome 2p13.3 is associated with atopic dermatitis in Chinese Han population. <i>Gene</i> , 2017, 628, 281-285.	1.0	9
62	Newborn hearing screening coverage and detection rates of hearing impairment across China from 2008-2016. <i>BMC Pediatrics</i> , 2020, 20, 360.	0.7	9
63	Synthesis and photophysical properties of carboline derivatives and their applications in OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 133-141.	0.4	8
64	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> , 2017, 59, 7-13.	1.5	7
65	High maternal selenium levels are associated with increased risk of congenital heart defects in the offspring. <i>Prenatal Diagnosis</i> , 2019, 39, 1107-1114.	1.1	7
66	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> , 2020, 25, 38.	1.4	7
67	Breastfeeding practice in China from 2013 to 2018: a study from a national dynamic follow-up surveillance. <i>BMC Public Health</i> , 2021, 21, 329.	1.2	7
68	Birth prevalence of tetrahydrobiopterin deficiency in China: data from the national newborn screening program, 2013â€“2019. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2021, 34, 835-841.	0.4	7
69	Synthesis and biological evaluation of 4-oxoquinoline-3-carboxamides derivatives as potent anti-fibrosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5666-5670.	1.0	6
70	Long-term trends and seasonality of omphalocele during 1996â€“2010 in China: a retrospective analysis based on the hospital-based birth defects surveillance system. <i>BMC Pregnancy and Childbirth</i> , 2015, 15, 102.	0.9	6
71	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> , 2017, 17, 406.	0.9	6
72	Communicable disease mortality trends and characteristics of infants in rural China, 1996â€“2015. <i>BMC Public Health</i> , 2020, 20, 455.	1.2	6

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73	Characteristics and adverse outcomes of Chinese adolescent pregnancies between 2012 and 2019. <i>Scientific Reports</i> , 2021, 11, 12508.	1.6	6
74	Geographic variations in the incidence of congenital hypothyroidism in China: a retrospective study based on 92 million newborns screened in 2013â€“2018. <i>Chinese Medical Journal</i> , 2021, 134, 2223-2230.	0.9	6
75	Incidence, trends and risk factors for obstetric massive blood transfusion in China from 2012 to 2019: an observational study. <i>BMJ Open</i> , 2021, 11, e047983.	0.8	6
76	Preterm neonatal mortality in China during 2009â€“2018: A retrospective study. <i>PLoS ONE</i> , 2021, 16, e0260611.	1.1	6
77	MovStream: An efficient algorithm for monitoring clusters evolving in data streams. , 2008, , .		5
78	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> , 2020, 20, 444.	0.9	5
79	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> , 2021, 21, 360.	0.9	5
80	A Rapid and Sensitive Method of Determination of 1-Hydroxypyrene Glucuronide in Urine by UPLCâ€“FLD. <i>Chromatographia</i> , 2019, 82, 835-842.	0.7	4
81	Maternal trichloroethylene exposure and metabolic gene polymorphisms may interact during fetal cardiovascular malformation. <i>Reproductive Toxicology</i> , 2021, 106, 1-8.	1.3	4
82	Spatio-Temporal Extraction of Surface Waterbody and Its Response of Extreme Climate along the Upper Huaihe River. <i>Sustainability</i> , 2022, 14, 3223.	1.6	4
83	GEP-NFM: Nested Function Mining Based on Gene Expression Programming. , 2008, , .		3
84	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> , 2016, 16, 316.	0.9	3
85	A novel orally available Syk/Src/Jak2 inhibitor, SKLB-850, showed potent anti-tumor activities in B cell lymphoma (BCL) models. <i>Oncotarget</i> , 2017, 8, 111495-111507.	0.8	3
86	The effect on congenital heart diseases of maternal EPHX1 polymorphisms modified by polycyclic aromatic hydrocarbons exposure. <i>Medicine (United States)</i> , 2019, 98, e16556.	0.4	3
87	Provincial-level outcomes of Chinaâ€™s â€œReducing maternal mortality and eliminating neonatal tetanusâ€™ program. <i>Scientific Reports</i> , 2020, 10, 13328.	1.6	3
88	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> , 2021, 19, 74.	2.3	3
89	Social and environmental risk factors for unintentional suffocation among infants in China: a descriptive analysis. <i>BMC Pediatrics</i> , 2021, 21, 465.	0.7	3
90	Speaker recognition based on the improved double-threshold endpoint algorithm and multistage vector quantization. , 2017, , .		2

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91	A pilot allocation scheme for TDD massive MIMO system enabled HetNet. , 2017, , .		2
92	An Adaptive Spectrum Allocation Algorithm in Ultra-Dense Network. , 2018, , .		2
93	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. Journal of Perinatal Medicine, 2019, 47, 455-463.	0.6	2
94	Risk of congenital heart diseases associated with NAT2 genetic polymorphisms and maternal polycyclic aromatic hydrocarbons exposure. Prenatal Diagnosis, 2019, 39, 968-975.	1.1	1
95	Pregnancy complications and risk of uterine rupture among women with singleton pregnancies in China. BMC Pregnancy and Childbirth, 2022, 22, 131.	0.9	1
96	Geographical disparities in infant mortality in the rural areas of China: a descriptive study, 2010â€“2018. BMC Pediatrics, 2022, 22, 264.	0.7	1
97	A new method to parallel implementation for batching vast small-scale computing tasks based on GPU. , 2016, , .		0
98	Unintended pregnancy-related factors and the occurrence of offspring congenital heart disease: a multi-site case-control study in China. European Journal of Contraception and Reproductive Health Care, 2021, 26, 221-226.	0.6	0
99	Protocol of a prospective and multicentre China Teratology Birth Cohort (CTBC): association of maternal drug exposure during pregnancy with adverse pregnancy outcomes. BMC Pregnancy and Childbirth, 2021, 21, 593.	0.9	0
100	An Adaptive Spectrum Allocation Algorithm in Ultra-Dense Network. , 2018, , .		0
101	The effect of maternal polycyclic aromatic hydrocarbons exposure and methylation levels of congenital heart diseasesâ€™candidate genes on the risk of congenital heart diseases. Prenatal Diagnosis, 2022, 42, 1142-1154.	1.1	0