

Juanjuan Zhang

List of Publications by Year in Descending Order

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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.

56
papers

1,924
citations

19
h-index

43
g-index

61
ext. papers

2,619
ext. citations

7.9
avg, IF

5.2
L-index

#	Paper	IF	Citations
56	Model-based evaluation of alternative reactive class closure strategies against COVID-19.. <i>Nature Communications</i> , 2022 , 13, 322	17.4	3
55	Investigating vaccine-induced immunity and its effect in mitigating SARS-CoV-2 epidemics in China.. <i>BMC Medicine</i> , 2022 , 20, 37	11.4	3
54	Assessing the transition of COVID-19 burden towards the young population while vaccines are rolled out in China.. <i>Emerging Microbes and Infections</i> , 2022 , 1-52	18.9	0
53	Social contact patterns and implications for infectious disease transmission: a systematic review and meta-analysis of contact surveys. <i>ELife</i> , 2021 , 10,	8.9	3
52	Nonlinear magnetoelectric effects of polymer-based hybrid magnetoelectric composites with chain-like terfenol-D/epoxy and PVDF multilayers. <i>Composites Science and Technology</i> , 2021 , 216, 109069	8.6	2
51	Case Fatality Risk of the First Pandemic Wave of Coronavirus Disease 2019 (COVID-19) in China. <i>Clinical Infectious Diseases</i> , 2021 , 73, e79-e85	11.6	40
50	The impact of relaxing interventions on human contact patterns and SARS-CoV-2 transmission in China. <i>Science Advances</i> , 2021 , 7,	14.3	20
49	Social Contact Patterns and Implications for Infectious Disease Transmission: A Systematic Review and Meta-Analysis of Contact Surveys 2021 ,		1
48	LATE MERISTEM IDENTITY1 regulates leaf margin development via the auxin transporter gene SMOOTH LEAF MARGIN1. <i>Plant Physiology</i> , 2021 , 187, 218-235	6.6	1
47	Despite vaccination, China needs non-pharmaceutical interventions to prevent widespread outbreaks of COVID-19 in 2021. <i>Nature Human Behaviour</i> , 2021 , 5, 1009-1020	12.8	32
46	Herd immunity induced by COVID-19 vaccination programs to suppress epidemics caused by SARS-CoV-2 wild type and variants in China 2021 ,		6
45	The transfer and decay of maternal antibodies against enterovirus A71, and dynamics of antibodies due to later natural infections in Chinese infants: a longitudinal, paired mother-neonate cohort study. <i>Lancet Infectious Diseases</i> , <i>The</i> , 2021 , 21, 418-426	25.5	5
44	Can a COVID-19 vaccination program guarantee the return to a pre-pandemic lifestyle? 2021 ,		1
43	To what extent do we need to rely on non-pharmaceutical interventions while COVID-19 vaccines roll out in 2021? 2021 ,		3
42	Time-varying optimization of COVID-19 vaccine prioritization in the context of limited vaccination capacity. <i>Nature Communications</i> , 2021 , 12, 4673	17.4	13
41	Surface and interface effects on the bending behavior of nonlinear multilayered magnetoelectric nanostructures. <i>Composite Structures</i> , 2021 , 275, 114485	5.3	2
40	Monte Carlo method with Bézier curves for the complex conductivity of curved CNT-polymer nanocomposites. <i>International Journal of Engineering Science</i> , 2021 , 168, 103543	5.7	2

39	Calculating the Electrical Conductivity of Graphene Nanoplatelet Polymer Composites by a Monte Carlo Method. <i>Nanomaterials</i> , 2020 , 10,	5.4	22
38	Changes in contact patterns shape the dynamics of the COVID-19 outbreak in China. <i>Science</i> , 2020 , 368, 1481-1486	33.3	610
37	Evolving epidemiology and transmission dynamics of coronavirus disease 2019 outside Hubei province, China: a descriptive and modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 793-802	25.5	394
36	Evolving epidemiology of novel coronavirus diseases 2019 and possible interruption of local transmission outside Hubei Province in China: a descriptive and modeling study 2020 ,		24
35	Case fatality risk of novel coronavirus diseases 2019 in China 2020 ,		9
34	Age profile of susceptibility, mixing, and social distancing shape the dynamics of the novel coronavirus disease 2019 outbreak in China 2020 ,		29
33	The impact of relaxing interventions on human contact patterns and SARS-CoV-2 transmission in China 2020 ,		6
32	The effect of temperature and graphene concentration on the electrical conductivity and dielectric permittivity of graphene-polymer nanocomposites. <i>Acta Mechanica</i> , 2020 , 231, 1305-1320	2.1	11
31	Burden of influenza-associated outpatient influenza-like illness consultations in China, 2006-2015: A population-based study. <i>Influenza and Other Respiratory Viruses</i> , 2020 , 14, 162-172	5.6	23
30	Theoretical study on self-biased magnetoelectric effect of layered magnetoelectric composites. <i>Mechanics of Materials</i> , 2020 , 151, 103609	3.3	7
29	Influenza-associated excess respiratory mortality in China, 2010-15: a population-based study. <i>Lancet Public Health</i> , 2019 , 4, e473-e481	22.4	65
28	A Monte Carlo model with equipotential approximation and tunneling resistance for the electrical conductivity of carbon nanotube polymer composites. <i>Carbon</i> , 2019 , 146, 125-138	10.4	36
27	Direct and converse nonlinear magnetoelectric coupling in multiferroic composites with ferromagnetic and ferroelectric phases. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2019 , 475, 20190002	2.4	5
26	regulates flower and compound leaf development through different regulatory mechanisms in. <i>Plant Signaling and Behavior</i> , 2019 , 14, 1612683	2.5	1
25	Experimental Investigation of the Magnetoelectric Effect in NdFeB-Driven A-Line Shape Terfenol-D/PZT-5A Structures. <i>Materials</i> , 2019 , 12,	3.5	5
24	Three dimensional phase-field simulations on the frequency dependence of polarization vectors and hysteresis loops in ferroelectric crystals. <i>Journal of Applied Physics</i> , 2019 , 125, 084102	2.5	1
23	Assessment of Human-to-Human Transmissibility of Avian Influenza A(H7N9) Virus Across 5 Waves by Analyzing Clusters of Case Patients in Mainland China, 2013-2017. <i>Clinical Infectious Diseases</i> , 2019 , 68, 623-631	11.6	19
22	Patterns of human social contact and contact with animals in Shanghai, China. <i>Scientific Reports</i> , 2019 , 9, 15141	4.9	37

21	Suppression of chloride voltage-gated channel 3 expression increases sensitivity of human glioma U251 cells to cisplatin through lysosomal dysfunction. <i>Oncology Letters</i> , 2018 , 16, 835-842	2.6	5
20	A nonlinear magneto-mechanical-thermal-electric coupling model of Terfenol-D/PZT/Terfenol-D and Ni/PZT/Ni laminates. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 466, 200-211	2.8	6
19	A coupling finite element model for analysis the nonlinear dynamic magnetoelectric response of tri-layer laminate composites. <i>Composite Structures</i> , 2017 , 166, 163-176	5.3	21
18	Epidemiology of avian influenza A H7N9 virus in human beings across five epidemics in mainland China, 2013-17: an epidemiological study of laboratory-confirmed case series. <i>Lancet Infectious Diseases</i> , 2017 , 17, 822-832	25.5	194
17	Effect of boundary conditions on magnetocapacitance effect in a ring-type magnetoelectric structure. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 3909-3916	2.3	2
16	Possible interference between seasonal epidemics of influenza and other respiratory viruses in Hong Kong, 2014-2017. <i>BMC Infectious Diseases</i> , 2017 , 17, 772	4	23
15	Enhancement of the magnetoelectric coupling in an A-line shape magnetostrictive/piezoelectric structure. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 1-9	2.3	13
14	Seasonal pattern of influenza activity in a subtropical city, China, 2010-2015. <i>Scientific Reports</i> , 2017 , 7, 17534	4.9	17
13	A nonlinear model for magnetocapacitance effect in PZT-ring/Terfenol-D-strip magnetoelectric composites. <i>AIP Advances</i> , 2016 , 6, 065318	1.5	1
12	An ultrasensitive electrochemiluminescent biosensor for the detection of concanavalin A based on poly(ethylenimine) reduced graphene oxide and hollow gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 447-53	4.4	18
11	Cathodic electrochemiluminescence behavior of an ammonolysis product of 3,4,9,10-perylene-tetracarboxylic dianhydride in aqueous solution and its application for detecting dopamine. <i>RSC Advances</i> , 2015 , 5, 22289-22293	3.7	12
10	Conjugated polymer dots/oxalate anodic electrochemiluminescence system and its application for detecting melamine. <i>RSC Advances</i> , 2015 , 5, 63650-63654	3.7	19
9	Effects of hysteresis and temperature on magnetoelectric effect in giant magnetostrictive/piezoelectric composites. <i>International Journal of Solids and Structures</i> , 2015 , 69-70, 291-304	3.1	29
8	Electrochemiluminescence biosensor for cholesterol detection based on AuNPs/L-cystine60 nanocomposites. <i>Analytical Methods</i> , 2014 , 6, 3804	3.2	14
7	Electrochemical sensor based on overoxidized dopamine polymer and 3,4,9,10-perylene-tetracarboxylic acid for simultaneous determination of ascorbic acid, dopamine, uric acid, xanthine and hypoxanthine. <i>RSC Advances</i> , 2014 , 4, 42632-42637	3.7	35
6	Highly sensitive electrochemiluminescence biosensors for cholesterol detection based on mesoporous magnetic core-shell microspheres. <i>Biotechnology Letters</i> , 2014 , 36, 1835-41	3	9
5	Tunability of longitudinal wave band gaps in one dimensional phononic crystal with magnetostrictive material. <i>Journal of Applied Physics</i> , 2014 , 115, 074104	2.5	41
4	Nonlinear magnetoelectric transient responses of a circular-shaped magnetoelectric layered structure. <i>Smart Materials and Structures</i> , 2013 , 22, 015015	3.4	14

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| 3 | The effective properties of three-dimensional giant magnetostrictive composites. <i>Journal of Applied Physics</i> , 2011 , 110, 114121 | 2.5 | 6 |
| 2 | Projecting the transition of COVID-19 burden towards the young population while vaccines are rolled out: a modelling study | | 1 |
| 1 | Dynamic optimization of COVID-19 vaccine prioritization in the context of limited supply | | 2 |