Juanjuan Zhang

List of Publications by Year
in descending order

48 papers	3,083 citations	331259 21 h-index	214527 47 g-index
61 all docs	61 docs citations	61 times ranked	4893 citing authors

#	Article	IF	Citations
1	Changes in contact patterns shape the dynamics of the COVID-19 outbreak in China. Science, 2020, 368, 1481-1486.	6.0	942
2	Evolving epidemiology and transmission dynamics of coronavirus disease 2019 outside Hubei province, China: a descriptive and modelling study. Lancet Infectious Diseases, The, 2020, 20, 793-802.	4.6	541
3	Epidemiology of avian influenza A H7N9 virus in human beings across five epidemics in mainland China, 2013â€“17: an epidemiological study of laboratory-confirmed case series. Lancet Infectious Diseases, The, 2017, 17, 822-832.	4.6	251
4	Influenza-associated excess respiratory mortality in China, 2010â€“15: a population-based study. Lancet Public Health, The, 2019, 4, e473-e481.	4.7	150
5	Despite vaccination, China needs non-pharmaceutical interventions to prevent widespread outbreaks of COVID-19 in 2021. Nature Human Behaviour, 2021, 5, 1009-1020.	6.2	81
6	Patterns of human social contact and contact with animals in Shanghai, China. Scientific Reports, 2019, 9, 15141.	1.6	61
7	Tunability of longitudinal wave band gaps in one dimensional phononic crystal with magnetostrictive material. Journal of Applied Physics, 2014, 115, .	1.1	57
8	Calculating the Electrical Conductivity of Graphene Nanoplatelet Polymer Composites by a Monte Carlo Method. Nanomaterials, 2020, 10, 1129.	1.9	57
9	Time-varying optimization of COVID-19 vaccine prioritization in the context of limited vaccination capacity. Nature Communications, 2021, 12, 4673.	5.8	56
10	The impact of relaxing interventions on human contact patterns and SARS-CoV-2 transmission in China. Science Advances, 2021, 7, .	4.7	53
11	A Monte Carlo model with equipotential approximation and tunneling resistance for the electrical conductivity of carbon nanotube polymer composites. Carbon, 2019, 146, 125-138.	5.4	51
12	Case Fatality Risk of the First Pandemic Wave of Coronavirus Disease 2019 (COVID-19) in China. Clinical Infectious Diseases, 2021, 73, e79-e85.	2.9	50
13	Electrochemical sensor based on overoxidized dopamine polymer and 3,4,9,10-perylenetetracarboxylic acid for simultaneous determination of ascorbic acid, dopamine, uric acid, xanthine and hypoxanthine. RSC Advances, 2014, 4, 42632-42637.	1.7	44
14	Burden of influenzaâ€associated outpatient influenzaâ€like illness consultations in China, 2006â€2015: A populationâ€based study. Influenza and Other Respiratory Viruses, 2020, 14, 162-172.	1.5	42
15	Social contact patterns and implications for infectious disease transmission â€“ a systematic review and meta-analysis of contact surveys. ELife, 2021, 10, .	2.8	36
16	Effects of hysteresis and temperature on magnetoelectric effect in giant magnetostrictive/piezoelectric composites. International Journal of Solids and Structures, 2015, 69-70, 291-304.	1.3	34
17	A coupling finite element model for analysis the nonlinear dynamic magnetoelectric response of tri-layer laminate composites. Composite Structures, 2017, 166, 163-176.	3.1	33
18	Possible interference between seasonal epidemics of influenza and other respiratory viruses in Hong Kong, 2014â€“2017. BMC Infectious Diseases, 2017, 17, 772.	1.3	29

#	Article	IF	Citations
19	The effect of temperature and graphene concentration on the electrical conductivity and dielectric permittivity of grapheneâ€“polymer nanocomposites. Acta Mechanica, 2020, 231, 1305-1320.	1.1	29
20	Assessment of Human-to-Human Transmissibility of Avian Influenza A(H7N9) Virus Across 5 Waves by Analyzing Clusters of Case Patients in Mainland China, 2013â€“2017. Clinical Infectious Diseases, 2019, 68, 623-631.	2.9	26
21	Conjugated polymer dots/oxalate anodic electrochemiluminescence system and its application for detecting melamine. RSC Advances, 2015, 5, 63650-63654.	1.7	24
22	Seasonal pattern of influenza activity in a subtropical city, China, 2010â€“2015. Scientific Reports, 2017, 7, 17534.	1.6	24
23	Theoretical study on self-biased magnetoelectric effect of layered magnetoelectric composites. Mechanics of Materials, 2020, 151, 103609.	1.7	20
24	An ultrasensitive electrochemiluminescent biosensor for the detection of concanavalin A based on poly(ethylenimine) reduced graphene oxide and hollow gold nanoparticles. Analytical and Bioanalytical Chemistry, 2015, 407, 447-453.	1.9	19
25	Electrochemiluminescence biosensor for cholesterol detection based on AuNPs/l-cysâ€“C60 nanocomposites. Analytical Methods, 2014, 6, 3804.	1.3	18
26	Nonlinear magnetoelectric transient responses of a circular-shaped magnetoelectric layered structure. Smart Materials and Structures, 2013, 22, 015015.	1.8	17
27	Cathodic electrochemiluminescence behavior of an ammonolysis product of 3,4,9,10-perylenetetracarboxylic dianhydride in aqueous solution and its application for detecting dopamine. RSC Advances, 2015, 5, 22289-22293.	1.7	17
28	Model-based evaluation of alternative reactive class closure strategies against COVID-19. Nature Communications, 2022, 13, 322.	5.8	17
29	Enhancement of the magnetoelectric coupling in an A-line shape magnetostrictive/piezoelectric structure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1-9.	0.9	15
30	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 motherâ€“neonate cohort study. Lancet Infectious Diseases, The, 2021, 21, 418-426.	4.6	14
31	LATE MERISTEM IDENTITY1 regulates leaf margin development via the auxin transporter gene SMOOTH LEAF MARGIN1. Plant Physiology, 2021, 187, 218-235.	2.3	13
32	A nonlinear magneto-mechanical-thermal-electric coupling model of Terfenol-D/PZT/Terfenol-D and Ni/PZT/Ni laminates. Journal of Magnetism and Magnetic Materials, 2018, 466, 200-211.	1.0	12
33	Highly sensitive electrochemiluminescence biosensors for cholesterol detection based on mesoporous magnetic coreâ€“shell microspheres. Biotechnology Letters, 2014, 36, 1835-1841.	1.1	11
34	Monte Carlo method with BÃ©zier curves for the complex conductivity of curved CNT-polymer nanocomposites. International Journal of Engineering Science, 2021, 168, 103543.	2.7	10
35	Investigating vaccine-induced immunity and its effect in mitigating SARS-CoV-2 epidemics in China. BMC Medicine, 2022, 20, 37.	2.3	10
36	Finite element analysis of the magnetoelectric effect on hybrid magnetoelectric composites. Composite Structures, 2022, 296, 115876.	3.1	10

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37	The effective properties of three-dimensional giant magnetostrictive composites. Journal of Applied Physics, 2011, 110, .	1.1	9
38	Experimental Investigation of the Magnetoelectric Effect in NdFeB-Driven A-Line Shape Terfenol-D/PZT-5A Structures. Materials, 2019, 12, 1055.	1.3	9
39	Direct and converse nonlinear magnetoelectric coupling in multiferroic composites with ferromagnetic and ferroelectric phases. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190002.	1.0	8
40	Surface and interface effects on the bending behavior of nonlinear multilayered magnetoelectric nanostructures. Composite Structures, 2021, 275, 114485.	3.1	8
41	Nonlinear magnetoelectric effects of polymer-based hybrid magnetoelectric composites with chain-like terfenol-D/epoxy and PVDF multilayers. Composites Science and Technology, 2021, 216, 109069.	3.8	8
42	Suppression of chloride voltageâ€‘gated channel 3 expression increases sensitivity of human glioma U251 cells to cisplatin through lysosomal dysfunction. Oncology Letters, 2018, 16, 835-842.	0.8	7
43	Effect of boundary conditions on magnetocapacitance effect in a ring-type magnetoelectric structure. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3909-3916.	0.9	5
44	Assessing the transition of COVID-19 burden towards the young population while vaccines are rolled out in China*. Emerging Microbes and Infections, 2022, 11, 1205-1214.	3.0	5
45	AGAMOUS-LIKE FLOWERregulates flower and compound leaf development through different regulatory mechanisms inMedicago truncatula. Plant Signaling and Behavior, 2019, 14, 1612683.	1.2	4
46	A nonlinear model for magnetocapacitance effect in PZT-ring/Terfenol-D-strip magnetoelectric composites. AIP Advances, 2016, 6, .	0.6	3
47	Three dimensional phase-field simulations on the frequency dependence of polarization vectors and hysteresis loops in ferroelectric crystals. Journal of Applied Physics, 2019, 125, 084102.	1.1	2
48	Phase-field simulations on the frequency-dependent evolution of nano-magnetic domains and hysteresis loops of ferromagnetic Terfenol-D. Materials Today Communications, 2022, 32, 103849.	0.9	0