

# Ting Xue

## List of Publications by Year in descending order

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70  
papers

2,023  
citations

236925

25  
h-index

276875

41  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2290  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Staphylococcus aureus</i> AI-2 Quorum Sensing Associates with the KdpDE Two-Component System To Regulate Capsular Polysaccharide Synthesis and Virulence. <i>Infection and Immunity</i> , 2010, 78, 3506-3515.	2.2	125
2	<i>Staphylococcus aureus</i> autoinducer-2 quorum sensing decreases biofilm formation in an icaR-dependent manner. <i>BMC Microbiology</i> , 2012, 12, 288.	3.3	119
3	LsrR-binding site recognition and regulatory characteristics in <i>Escherichia coli</i> AI-2 quorum sensing. <i>Cell Research</i> , 2009, 19, 1258-1268.	12.0	87
4	Structural Insights into SraP-Mediated <i>Staphylococcus aureus</i> Adhesion to Host Cells. <i>PLoS Pathogens</i> , 2014, 10, e1004169.	4.7	85
5	The <i>Staphylococcus aureus</i> KdpDE Two-Component System Couples Extracellular K <sup>+</sup> Sensing and Agr Signaling to Infection Programming. <i>Infection and Immunity</i> , 2011, 79, 2154-2167.	2.2	82
6	AI-2 quorum sensing negatively regulates rbf expression and biofilm formation in <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2017, 307, 257-267.	3.6	80
7	A novel graphene-like titanium carbide MXene/Au@Ag nanoshuttles bifunctional nanosensor for electrochemical and SERS intelligent analysis of ultra-trace carbendazim coupled with machine learning. <i>Ceramics International</i> , 2021, 47, 173-184.	4.8	73
8	<i>Staphylococcus aureus</i> glucose-induced biofilm accessory proteins, GbaAB, influence biofilm formation in a PIA-dependent manner. <i>International Journal of Medical Microbiology</i> , 2014, 304, 603-612.	3.6	68
9	Targeted Knockdown of EGR-1 Inhibits IL-8 Production and IL-8-mediated Invasion of Prostate Cancer Cells through Suppressing EGR-1/NF- $\kappa$ B Synergy. <i>Journal of Biological Chemistry</i> , 2009, 284, 34600-34606.	3.4	61
10	In-situ reduction of Ag <sup>+</sup> on black phosphorene and its NH <sub>2</sub> -MWCNT nanohybrid with high stability and dispersibility as nanozyme sensor for three ATP metabolites. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111716.	10.1	60
11	LuxS/AI-2 system is involved in antibiotic susceptibility and autolysis in <i>Staphylococcus aureus</i> NCTC 8325. <i>International Journal of Antimicrobial Agents</i> , 2013, 41, 85-89.	2.5	54
12	MoS <sub>2</sub> /MWCNTs porous nanohybrid network with oxidase-like characteristic as electrochemical nanozyme sensor coupled with machine learning for intelligent analysis of carbendazim. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 113940.	3.8	54
13	The anti-biofilm effect of silver-nanoparticle-decorated quercetin nanoparticles on a multi-drug resistant <i>Escherichia coli</i> strain isolated from a dairy cow with mastitis. <i>PeerJ</i> , 2018, 6, e5711.	2.0	51
14	Electrochemical detection combined with machine learning for intelligent sensing of maleic hydrazide by using carboxylated PEDOT modified with copper nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 543.	5.0	47
15	Interleukin-6 Induced Acute Phenotypic Microenvironment Promotes Th1 Anti-Tumor Immunity in Cryo-Thermal Therapy Revealed By Shotgun and Parallel Reaction Monitoring Proteomics. <i>Theranostics</i> , 2016, 6, 773-794.	10.0	46
16	Hierarchically Porous Carbon Microsphere Doped with Phosphorus as a High Conductive Electrocatalyst for Oxidase-like Sensors and Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9937-9946.	6.7	46
17	Lotus seedpods biochar decorated molybdenum disulfide for portable, flexible, outdoor and inexpensive sensing of hyperin. <i>Chemosphere</i> , 2022, 301, 134595.	8.2	44
18	Short communication: Effects of lactose and milk on the expression of biofilm-associated genes in <i>Staphylococcus aureus</i> strains isolated from a dairy cow with mastitis. <i>Journal of Dairy Science</i> , 2014, 97, 6129-6134.	3.4	41

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19	Ethanol extract of <i>Sanguisorba officinalis</i> L. inhibits biofilm formation of methicillin-resistant <i>Staphylococcus aureus</i> in an ica-dependent manner. <i>Journal of Dairy Science</i> , 2015, 98, 8486-8491.	3.4	41
20	ArtR, a novel sRNA of <i>Staphylococcus aureus</i> , regulates $\hat{\pm}$ -toxin expression by targeting the 5â€² UTR of sarT mRNA. <i>Medical Microbiology and Immunology</i> , 2014, 203, 1-12.	4.8	40
21	Autoinducer-2 increases biofilm formation via an ica- and bhp-dependent manner in <i>Staphylococcus epidermidis</i> RP62A. <i>Microbes and Infection</i> , 2015, 17, 345-352.	1.9	39
22	Short communication: The role of autoinducer 2 (AI-2) on antibiotic resistance regulation in an <i>Escherichia coli</i> strain isolated from a dairy cow with mastitis. <i>Journal of Dairy Science</i> , 2016, 99, 4693-4698.	3.4	33
23	Facile and rapid one-step mass production of flexible 3D porous graphene nanozyme electrode via direct laser-writing for intelligent evaluation of fish freshness. <i>Microchemical Journal</i> , 2021, 162, 105855.	4.5	28
24	<i>Methylobacterium salsuginis</i> sp. nov., isolated from seawater. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1699-1703.	1.7	27
25	The <i>Staphylococcus aureus</i> GGDEF Domain-Containing Protein, GdpS, Influences Protein A Gene Expression in a Cyclic Diguanylic Acid-Independent Manner. <i>Infection and Immunity</i> , 2009, 77, 2849-2856.	2.2	27
26	Methylthioadenosine/S-adenosylhomocysteine nucleosidase (Pfs) of <i>Staphylococcus aureus</i> is essential for the virulence independent of LuxS/AI-2 system. <i>International Journal of Medical Microbiology</i> , 2013, 303, 190-200.	3.6	27
27	Nucleocytoplasmic Shuttling of Dysbindin-1, a Schizophrenia-related Protein, Regulates Synapsin I Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 38630-38640.	3.4	24
28	Pfs promotes autolysis-dependent release of eDNA and biofilm formation in <i>Staphylococcus aureus</i> . <i>Medical Microbiology and Immunology</i> , 2015, 204, 215-226.	4.8	24
29	The <i>irp2</i> and <i>fyuA</i> genes in High Pathogenicity Islands are involved in the pathogenesis of infections caused by avian pathogenic <i>Escherichia coli</i> (APEC). <i>Polish Journal of Veterinary Sciences</i> , 2016, 19, 21-29.	0.2	23
30	Modulation of virulence genes by the two-component system PhoP-PhoQ in avian pathogenic <i>Escherichia coli</i> . <i>Polish Journal of Veterinary Sciences</i> , 2016, 19, 31-40.	0.2	23
31	Rot and Agr system modulate fibrinogen-binding ability mainly by regulating <i>clfB</i> expression in <i>Staphylococcus aureus</i> NCTC8325. <i>Medical Microbiology and Immunology</i> , 2012, 201, 81-92.	4.8	22
32	The role of the <i>phoP</i> transcriptional regulator on biofilm formation of avian pathogenic <i>Escherichia coli</i> . <i>Avian Pathology</i> , 2019, 48, 362-370.	2.0	22
33	An emerging machine learning strategy for the assisted design of high-performance supercapacitor materials by mining the relationship between capacitance and structural features of porous carbon. <i>Journal of Electroanalytical Chemistry</i> , 2021, 899, 115684.	3.8	22
34	Modulation of cell wall synthesis and susceptibility to vancomycin by the two-component system AirSR in <i>Staphylococcus aureus</i> NCTC8325. <i>BMC Microbiology</i> , 2013, 13, 286.	3.3	21
35	A novel nanozyme comprised of electro-synthesized molecularly imprinted conducting PEDOT nanocomposite with graphene-like MoS <sub>2</sub> for electrochemical sensing of luteolin. <i>Microchemical Journal</i> , 2021, 168, 106418.	4.5	19
36	Regulatory mechanism of the three-component system HptRSA in glucose-6-phosphate uptake in <i>Staphylococcus aureus</i> . <i>Medical Microbiology and Immunology</i> , 2016, 205, 241-253.	4.8	17

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37	The KdpD/KdpE two-component system contributes to the motility and virulence of avian pathogenic <i>Escherichia coli</i> . <i>Research in Veterinary Science</i> , 2020, 131, 24-30.	1.9	16
38	Role of LsrR in the regulation of antibiotic sensitivity in avian pathogenic <i>Escherichia coli</i> . <i>Poultry Science</i> , 2020, 99, 3675-3687.	3.4	15
39	Effect of biofilm on the survival of <i>Staphylococcus aureus</i> isolated from raw milk in high temperature and drying environment. <i>Food Research International</i> , 2021, 149, 110672.	6.2	15
40	Green synthesis of kudzu vine biochar decorated graphene-like MoSe <sub>2</sub> with the oxidase-like activity as intelligent nanozyme sensing platform for hesperetin. <i>Chemosphere</i> , 2022, 289, 133116.	8.2	15
41	McbR is involved in biofilm formation and H <sub>2</sub> O <sub>2</sub> stress response in avian pathogenic <i>Escherichia coli</i> X40. <i>Poultry Science</i> , 2019, 98, 4094-4103.	3.4	14
42	Autoinducer2 affects trimethoprim-sulfamethoxazole susceptibility in avian pathogenic <i>Escherichia coli</i> dependent on the folate synthesis-associated pathway. <i>MicrobiologyOpen</i> , 2018, 7, e00582.	3.0	13
43	Multiwalled Carbon Nanotube-N-Doped Graphene/Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) Nanohybrid for Electrochemical Application in Intelligent Sensors and Supercapacitors. <i>ACS Omega</i> , 2020, 5, 28452-28462.	3.5	13
44	Regulatory Role of the Two-Component System BasSR in the Expression of the EmrD Multidrug Efflux in <i>Escherichia coli</i> . <i>Microbial Drug Resistance</i> , 2020, 26, 1163-1173.	2.0	13
45	Multifunctional Porous Nanohybrid Based on Graphene-Like Tungsten Disulfide on Poly(3,4-ethoxylenedioxythiophene) for Supercapacitor and Electrochemical Nanosensing of Quercetin. <i>Journal of the Electrochemical Society</i> , 2020, 167, 047512.	2.9	13
46	The <i>Staphylococcus aureus</i> Protein-Coding Gene <i>gdpS</i> Modulates <i>sarS</i> Expression via mRNA-mRNA Interaction. <i>Infection and Immunity</i> , 2015, 83, 3302-3310.	2.2	12
47	The cryo-thermal therapy-induced IL-6-rich acute pro-inflammatory response promoted DCs phenotypic maturation as the prerequisite to CD4 <sup>+</sup> T cell differentiation. <i>International Journal of Hyperthermia</i> , 2018, 34, 261-272.	2.5	12
48	The two-component system, BasSR, is involved in the regulation of biofilm and virulence in avian pathogenic <i>Escherichia coli</i> . <i>Avian Pathology</i> , 2020, 49, 532-546.	2.0	12
49	Imidazole decreases the ampicillin resistance of an <i>Escherichia coli</i> strain isolated from a cow with mastitis by inhibiting the function of autoinducer 2. <i>Journal of Dairy Science</i> , 2018, 101, 3356-3362.	3.4	11
50	The role of the outer membrane protein gene <i>ybjX</i> in the pathogenicity of avian pathogenic <i>Escherichia coli</i> . <i>Avian Pathology</i> , 2018, 47, 294-299.	2.0	11
51	QseBC is involved in the biofilm formation and antibiotic resistance in <i>Escherichia coli</i> isolated from bovine mastitis. <i>PeerJ</i> , 2020, 8, e8833.	2.0	11
52	LsrR, the effector of AI-2 quorum sensing, is vital for the H <sub>2</sub> O <sub>2</sub> stress response in mammary pathogenic <i>Escherichia coli</i> . <i>Veterinary Research</i> , 2021, 52, 127.	3.0	11
53	Proteomic Analysis of Two Metabolic Proteins with Potential to Translocate to Plasma Membrane Associated with Tumor Metastasis Development and Drug Targets. <i>Journal of Proteome Research</i> , 2013, 12, 1754-1763.	3.7	10
54	Transcriptional Regulator Yqel, Locating at ETT2 Locus, Affects the Pathogenicity of Avian Pathogenic <i>Escherichia coli</i> . <i>Animals</i> , 2020, 10, 1658.	2.3	10

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55	Insights into Emergence of Antibiotic Resistance in Acid-Adapted Enterohaemorrhagic <i>Escherichia coli</i> . <i>Antibiotics</i> , 2021, 10, 522.	3.7	10
56	Soft template assisted hydrothermal synthesis of phosphorus doped porous carbon spheres with tunable microstructure as electrochemical nanozyme sensor for distinguishable detection of two flavonoids coupled with derivative voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115563.	3.8	10
57	Hippocampal NR6A1 impairs CREB-BDNF signaling and leads to the development of depression-like behaviors in mice. <i>Neuropharmacology</i> , 2022, 209, 108990.	4.1	10
58	Identification of RNAIII-binding proteins in <i>Staphylococcus aureus</i> using tethered RNAs and streptavidin aptamers based pull-down assay. <i>BMC Microbiology</i> , 2015, 15, 102.	3.3	8
59	A stable nanosilver decorated phosphorene nanozyme with phosphorus-doped porous carbon microsphere for intelligent sensing of 8-hydroxy-2- $\epsilon$ -deoxyguanosine. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115522.	3.8	8
60	Electrochemical Nanozyme Sensor Based on MoS <sub>2</sub> -COOH-MWCNT Nanohybrid for a New Plant Growth Regulator 5-Nitroguaiacol. <i>Food Analytical Methods</i> , 2020, 13, 2028-2038.	2.6	6
61	Alternative sigma factor B reduces biofilm formation and stress response in milk-derived <i>Staphylococcus aureus</i> . <i>LWT - Food Science and Technology</i> , 2022, 162, 113515.	5.2	6
62	<i>Serratia bozhouensis</i> sp. nov., Isolated from Sewage Samples of a Dairy Farm. <i>Current Microbiology</i> , 2017, 74, 827-831.	2.2	5
63	Anti-Biofilm Effect of Tea Saponin on a <i>Streptococcus agalactiae</i> Strain Isolated from Bovine Mastitis. <i>Animals</i> , 2020, 10, 1713.	2.3	5
64	Role of McbR in the regulation of antibiotic susceptibility in avian pathogenic <i>Escherichia coli</i> . <i>Poultry Science</i> , 2020, 99, 6390-6401.	3.4	5
65	Ionic liquid-assisted ultrasonic exfoliation of phosphorene nanocomposite with single walled carbon nanohorn as nanozyme sensor for derivative voltammetric smart analysis of 5-hydroxytryptamine. <i>Microchemical Journal</i> , 2021, 170, 106697.	4.5	5
66	Construction of Recombinant <i>Pichia pastoris</i> Carrying a Constitutive AvBD9 Gene and Analysis of Its Activity. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 2082-2089.	2.1	4
67	Transcriptome analysis revealed the role of capsular polysaccharides in desiccation tolerance of foodborne <i>Staphylococcus aureus</i> . <i>Food Research International</i> , 2022, 159, 111602.	6.2	4
68	Outer membrane proteins YbjX and PagP co-regulate motility in <i>Escherichia coli</i> via the bacterial chemotaxis pathway. <i>Research in Veterinary Science</i> , 2019, 125, 279-284.	1.9	3
69	Construction of an AI-2 quorum sensing induced heterologous protein expression system in <i>Escherichia coli</i> . <i>PeerJ</i> , 2021, 9, e12497.	2.0	3
70	Effects of <i>Stigmata maydis</i> on the methicillin resistant <i>Staphylococcus aureus</i> biofilm formation. <i>PeerJ</i> , 2019, 7, e6461.	2.0	2