

# Jintao Wang

## List of Publications by Year in descending order

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82  
papers

4,960  
citations

87723

38  
h-index

95083

68  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4736  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex trait analysis of gene expression uncovers polygenic and pleiotropic networks that modulate nervous system function. <i>Nature Genetics</i> , 2005, 37, 233-242.	9.4	695
2	Uncovering regulatory pathways that affect hematopoietic stem cell function using 'genetical genomics'. <i>Nature Genetics</i> , 2005, 37, 225-232.	9.4	366
3	Superhydrophobic kapok fiber oil-absorbent: Preparation and high oil absorbency. <i>Chemical Engineering Journal</i> , 2012, 213, 1-7.	6.6	253
4	WebQTL: Web-Based Complex Trait Analysis. <i>Neuroinformatics</i> , 2003, 1, 299-308.	1.5	249
5	Effect of kapok fiber treated with various solvents on oil absorbency. <i>Industrial Crops and Products</i> , 2012, 40, 178-184.	2.5	231
6	WebQTL: rapid exploratory analysis of gene expression and genetic networks for brain and behavior. <i>Nature Neuroscience</i> , 2004, 7, 485-486.	7.1	176
7	Adsorption of methylene blue by kapok fiber treated by sodium chlorite optimized with response surface methodology. <i>Chemical Engineering Journal</i> , 2012, 184, 248-255.	6.6	150
8	Research and application of kapok fiber as an absorbing material: A mini review. <i>Journal of Environmental Sciences</i> , 2015, 27, 21-32.	3.2	147
9	Genetic Correlates of Gene Expression in Recombinant Inbred Strains: A Relational Model System to Explore Neurobehavioral Phenotypes. <i>Neuroinformatics</i> , 2003, 1, 343-358.	1.5	118
10	Coated kapok fiber for removal of spilled oil. <i>Marine Pollution Bulletin</i> , 2013, 69, 91-96.	2.3	114
11	Remodeling of raw cotton fiber into flexible, squeezing-resistant macroporous cellulose aerogel with high oil retention capability for oil/water separation. <i>Separation and Purification Technology</i> , 2019, 221, 303-310.	3.9	100
12	Investigation of acetylated kapok fibers on the sorption of oil in water. <i>Journal of Environmental Sciences</i> , 2013, 25, 246-253.	3.2	85
13	Hybridizing transgenic Bt cotton with non-Bt cotton counters resistance in pink bollworm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5413-5418.	3.3	78
14	Highly efficient oil-in-water emulsion and oil layer/water mixture separation based on durably superhydrophobic sponge prepared via a facile route. <i>Marine Pollution Bulletin</i> , 2018, 127, 108-116.	2.3	78
15	Investigation of oil sorption capability of PBMA/SiO <sub>2</sub> coated kapok fiber. <i>Chemical Engineering Journal</i> , 2013, 223, 632-637.	6.6	77
16	Inferring gene transcriptional modulatory relations: a genetical genomics approach. <i>Human Molecular Genetics</i> , 2005, 14, 1119-1125.	1.4	76
17	Hydrothermal fabrication of robustly superhydrophobic cotton fibers for efficient separation of oil/water mixtures and oil-in-water emulsions. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 174-183.	2.9	73
18	A machine vision system for early detection and prediction of sick birds: A broiler chicken model. <i>Biosystems Engineering</i> , 2019, 188, 229-242.	1.9	71

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19	Stimuli-Responsive Zwitterionic Block Copolypeptides: Poly( <i>N</i> -isopropylacrylamide)- <i>b</i> -poly(lysine- <i>co</i> -glutamic acid). <i>Biomacromolecules</i> , 2008, 9, 2670-2676.	2.6	70
20	Oil/water mixtures and emulsions separation of stearic acid-functionalized sponge fabricated via a facile one-step coating method. <i>Separation and Purification Technology</i> , 2017, 181, 183-191.	3.9	70
21	Facile synthesis of flexible mesoporous aerogel with superhydrophobicity for efficient removal of layered and emulsified oil from water. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 372-382.	5.0	64
22	Robustly superhydrophobic/superoleophilic kapok fiber with ZnO nanoneedles coating: Highly efficient separation of oil layer in water and capture of oil droplets in oil-in-water emulsions. <i>Industrial Crops and Products</i> , 2017, 108, 303-311.	2.5	62
23	Durably superhydrophobic textile based on fly ash coating for oil/water separation and selective oil removal from water. <i>Separation and Purification Technology</i> , 2016, 164, 138-145.	3.9	60
24	Magnetically superhydrophobic kapok fiber for selective sorption and continuous separation of oil from water. <i>Chemical Engineering Research and Design</i> , 2016, 115, 122-130.	2.7	59
25	Effects of atrazine and chlorpyrifos on acetylcholinesterase and Carboxylesterase in brain and muscle of common carp. <i>Environmental Toxicology and Pharmacology</i> , 2010, 30, 26-30.	2.0	57
26	How replicable are mRNA expression QTL?. <i>Mammalian Genome</i> , 2006, 17, 643-656.	1.0	56
27	Flame-retardant superhydrophobic coating derived from fly ash on polymeric foam for efficient oil/corrosive water and emulsion separation. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 11-20.	5.0	56
28	Ultra-hydrophobic and mesoporous silica aerogel membranes for efficient separation of surfactant-stabilized water-in-oil emulsion separation. <i>Separation and Purification Technology</i> , 2019, 212, 597-604.	3.9	54
29	Acetylated modification of kapok fiber and application for oil absorption. <i>Fibers and Polymers</i> , 2013, 14, 1834-1840.	1.1	46
30	Glipizide, an antidiabetic drug, suppresses tumor growth and metastasis by inhibiting angiogenesis. <i>Oncotarget</i> , 2014, 5, 9966-9979.	0.8	46
31	Integrated device based on cauliflower-like nickel hydroxide particlesâ€‘coated fabrics with inverse wettability for highly efficient oil/hot alkaline water separation. <i>Journal of Colloid and Interface Science</i> , 2019, 534, 228-238.	5.0	46
32	Double biomimetic fabrication of robustly superhydrophobic cotton fiber and its application in oil spill cleanup. <i>Industrial Crops and Products</i> , 2015, 77, 36-43.	2.5	44
33	Robust and durable superhydrophobic fabrics fabricated via simple Cu nanoparticles deposition route and its application in oil/water separation. <i>Marine Pollution Bulletin</i> , 2017, 119, 64-71.	2.3	44
34	Easily enlarged and coating-free underwater superoleophobic fabric for oil/water and emulsion separation via a facile NaClO <sub>2</sub> treatment. <i>Separation and Purification Technology</i> , 2018, 195, 358-366.	3.9	44
35	Highly recyclable superhydrophobic sponge suitable for the selective sorption of high viscosity oil from water. <i>Marine Pollution Bulletin</i> , 2015, 97, 118-124.	2.3	42
36	A pair of MnO <sub>2</sub> nanocrystal coatings with inverse wettability on metal meshes for efficient oil/water separation. <i>Separation and Purification Technology</i> , 2019, 209, 119-127.	3.9	42

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37	Effects of subchronic cadmium poisoning on DNA methylation in hens. <i>Environmental Toxicology and Pharmacology</i> , 2009, 27, 345-349.	2.0	41
38	Eco-friendly and scratch-resistant hybrid coating on mesh for gravity-driven oil/water separation. <i>Journal of Cleaner Production</i> , 2019, 241, 118369.	4.6	40
39	Integrative genetic analysis of transcription modules: towards filling the gap between genetic loci and inherited traits. <i>Human Molecular Genetics</i> , 2006, 15, 481-492.	1.4	38
40	Oil-water separation capability of superhydrophobic fabrics fabricated via combining polydopamine adhesion with lotus-leaf-like structure. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	37
41	Resistance to <i>Bacillus thuringiensis</i> linked with a cadherin transmembrane mutation affecting cellular trafficking in pink bollworm from China. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 94, 28-35.	1.2	37
42	Preparation and properties of kapok fiber enhanced oil sorption resins by suspended emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2184-2191.	1.3	36
43	Fabrication of water-repellent double-layered polydopamine/copper films on mesh with improved abrasion and corrosion resistance by solution-phase reduction for oily wastewater treatment. <i>Separation and Purification Technology</i> , 2020, 233, 116005.	3.9	34
44	Proprotein convertase subtilisin/kexin type 9 (PCSK9) Deficiency is Protective Against Venous Thrombosis in Mice. <i>Scientific Reports</i> , 2017, 7, 14360.	1.6	32
45	Construction of superhydrophobic copper film on stainless steel mesh by a simple liquid phase chemical reduction for efficient oil/water separation. <i>Applied Surface Science</i> , 2019, 486, 394-404.	3.1	32
46	Transposon insertion causes cadherin mis-splicing and confers resistance to Bt cotton in pink bollworm from China. <i>Scientific Reports</i> , 2019, 9, 7479.	1.6	31
47	Calcium ions enhanced mussel-inspired underwater superoleophobic coating with superior mechanical stability and hot water repellence for efficient oil/water separation. <i>Applied Surface Science</i> , 2020, 503, 144180.	3.1	30
48	Pink Bollworm Resistance to Bt Toxin Cry1Ac Associated with an Insertion in Cadherin Exon 20. <i>Toxins</i> , 2019, 11, 186.	1.5	29
49	A simple and eco-friendly route for fabricating iron-based coating on metal mesh for efficient oil/water separation. <i>Separation and Purification Technology</i> , 2019, 226, 31-38.	3.9	28
50	Recent advances in the potential applications of hollow kapok fiber-based functional materials. <i>Cellulose</i> , 2021, 28, 5269-5292.	2.4	28
51	Octahedral ruthenium complexes selectively stabilize G-quadruplexes. <i>Chemical Communications</i> , 2016, 52, 8095-8098.	2.2	24
52	Eco-friendly and facile fabrication of polyimide mesh with underwater superoleophobicity for oil/water separation via polydopamine/starch hybrid decoration. <i>Separation and Purification Technology</i> , 2020, 250, 117228.	3.9	23
53	Eco-friendly construction of oil collector with superhydrophobic coating for efficient oil layer sorption and oil-in-water emulsion separation. <i>Surface and Coatings Technology</i> , 2018, 350, 234-244.	2.2	22
54	Preparation of underwater superoleophobic polyimide mesh for oil/water separation via a simple Ce/Cu-MOF in-situ growth strategy. <i>Surface and Coatings Technology</i> , 2021, 421, 127422.	2.2	21

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55	Synthesis and oil absorption of poly(butylmethacrylate)/organoattapulgite nanocomposite by suspended emulsion polymerization. <i>Polymer Composites</i> , 2013, 34, 274-281.	2.3	20
56	Simple and eco-friendly fabrication of superhydrophobic textile for oil/water separation. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1591-1596.	1.2	20
57	Fabrication of oxygen vacancies through assembling an amorphous titanate overlayer on titanium oxide for a catalytic water-gas shift reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2784-2791.	5.2	19
58	One-step fabrication of coating-free mesh with underwater superoleophobicity for highly efficient oil/water separation. <i>Surface and Coatings Technology</i> , 2018, 340, 1-7.	2.2	18
59	Interactions between serum folate and human papillomavirus with cervical intraepithelial neoplasia risk in a Chinese population-based study. <i>American Journal of Clinical Nutrition</i> , 2018, 108, 1034-1042.	2.2	16
60	Syntheses of Pt-Ni Hollow Nanoalloy for Hydrogen Generation from Catalytic Hydrolysis of Ammonia Borane. <i>ChemCatChem</i> , 2020, 12, 4257-4261.	1.8	16
61	Pharmacological inhibition of PTEN attenuates cognitive deficits caused by neonatal repeated exposures to isoflurane via inhibition of NR2B-mediated tau phosphorylation in rats. <i>Neuropharmacology</i> , 2017, 114, 135-145.	2.0	15
62	Kinetic and Thermodynamic Studies on the Removal of Oil from Water Using Superhydrophobic Kapok Fiber. <i>Water Environment Research</i> , 2014, 86, 360-365.	1.3	13
63	Psgl-1 Deficiency is Protective against Stroke in a Murine Model of Lupus. <i>Scientific Reports</i> , 2016, 6, 28997.	1.6	13
64	Developing Ideal Metalorganic Hydrides for Hydrogen Storage: From Theoretical Prediction to Rational Fabrication. , 2021, 3, 1417-1425.		13
65	Fabrication of polypropylene fabric with green composite coating for water/oil mixture and emulsion separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 641, 128554.	2.3	12
66	Effect of Crystallization on Shape Memory Effect of Poly(lactic Acid). <i>Polymers</i> , 2022, 14, 1569.	2.0	12
67	Weighting by heritability for detection of quantitative trait loci with microarray estimates of gene expression. <i>Genome Biology</i> , 2005, 6, R27.	13.9	11
68	Tolerant chitosan/carboxymethyl cellulose@calcium composite films on nylon fabric for high-flux water/oil separation. <i>Carbohydrate Polymers</i> , 2022, 294, 119832.	5.1	11
69	A forensic investigation of the Taihe arch bridge collapse. <i>Engineering Structures</i> , 2018, 176, 881-891.	2.6	10
70	Cationic guar gum-kaolin coated combined superhydrophilic and oleophobic nylon textile for efficient oil separation from wastewater. <i>Journal of Cleaner Production</i> , 2022, 347, 131302.	4.6	10
71	Telomerase-Mediated Apoptosis of Chicken Lymphoblastoid Tumor Cell Line by Lanthanum Chloride. <i>Biological Trace Element Research</i> , 2011, 144, 657-667.	1.9	9
72	Increased stroke size following MCA occlusion in a mouse model of sickle cell disease. <i>Blood</i> , 2014, 123, 1965-1967.	0.6	9

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73	Ketamine: The best partner for isoflurane in neonatal anesthesia?. <i>Medical Hypotheses</i> , 2008, 71, 868-871.	0.8	8
74	Multilayered chitosan/kaolin@calcium carbonate composite films with excellent chemical and thermal stabilities for oil/water filtration realized by a facile layer-by-layer assembly. <i>Separation and Purification Technology</i> , 2022, 289, 120738.	3.9	8
75	Preparation and oil absorbency of kapok- <i>g</i> -butyl methacrylate. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1089-1095.	1.2	7
76	Superhydrophobic nylon fabric with kaolin coating for oil removal under harsh water environments. <i>Applied Clay Science</i> , 2021, 214, 106294.	2.6	7
77	Fabrication of More Oxygen Vacancies and Depression of Encapsulation for Superior Catalysis in the Water-Gas Shift Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10646-10653.	2.1	6
78	Isoflurane enhances the expression of cytochrome C by facilitation of NMDA receptor in developing rat hippocampal neurons in vitro. <i>Journal of Huazhong University of Science and Technology [Medical Sciences]</i> , 2011, 31, 779-783.	1.0	5
79	Regulation of Strong Metal-Support Interaction by Alkaline Earth Metal Salts. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2633-2640.	1.7	4
80	Facile preparation of hybrid coating-decorated cotton cloth with superoleophobicity in air for efficient light oil/water separation. <i>Surfaces and Interfaces</i> , 2022, 31, 102033.	1.5	3
81	Investigation on the Effect of Poly(butylmethacrylate)/attapulgite Nanocomposites for Oil Absorption. <i>Water Environment Research</i> , 2016, 88, 1994-2000.	1.3	2
82	Adult Exposure to Bt Toxin Cry1Ac Reduces Life Span and Reproduction of Resistant and Susceptible Pink Bollworm (Lepidoptera: Gelechiidae). <i>Journal of Economic Entomology</i> , 2016, 109, 1357-1363.	0.8	1