

# Wei Tang

## List of Publications by Citations

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100  
papers

5,793  
citations

37  
h-index

75  
g-index

106  
ext. papers

6,980  
ext. citations

9.6  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
100	Flexible Nanogenerators for Energy Harvesting and Self-Powered Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 4283-305	24	1065
99	The growth factor progranulin binds to TNF receptors and is therapeutic against inflammatory arthritis in mice. <i>Science</i> , <b>2011</b> , 332, 478-84	33.3	517
98	Standards and figure-of-merits for quantifying the performance of triboelectric nanogenerators. <i>Nature Communications</i> , <b>2015</b> , 6, 8376	17.4	470
97	Liquid-Metal Electrode for High-Performance Triboelectric Nanogenerator at an Instantaneous Energy Conversion Efficiency of 70.6%. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3718-3725	15.6	333
96	Self-Powered Electrical Stimulation for Enhancing Neural Differentiation of Mesenchymal Stem Cells on Graphene-Poly(3,4-ethylenedioxythiophene) Hybrid Microfibers. <i>ACS Nano</i> , <b>2016</b> , 10, 5086-95	16.7	182
95	Self-powered cleaning of air pollution by wind driven triboelectric nanogenerator. <i>Nano Energy</i> , <b>2015</b> , 14, 217-225	17.1	168
94	Three-dimensional ultraflexible triboelectric nanogenerator made by 3D printing. <i>Nano Energy</i> , <b>2018</b> , 45, 380-389	17.1	135
93	Water wave energy harvesting and self-powered liquid-surface fluctuation sensing based on bionic-jellyfish triboelectric nanogenerator. <i>Materials Today</i> , <b>2018</b> , 21, 88-97	21.8	129
92	Integrated triboelectric nanogenerator array based on air-driven membrane structures for water wave energy harvesting. <i>Nano Energy</i> , <b>2017</b> , 31, 351-358	17.1	128
91	Implantable Self-Powered Low-Level Laser Cure System for Mouse Embryonic OsteoblastsR Proliferation and Differentiation. <i>ACS Nano</i> , <b>2015</b> , 9, 7867-73	16.7	110
90	Construction of a 3D rGO-collagen hybrid scaffold for enhancement of the neural differentiation of mesenchymal stem cells. <i>Nanoscale</i> , <b>2016</b> , 8, 1897-904	7.7	101
89	Self-powered flexible printed circuit board with integrated triboelectric generator. <i>Nano Energy</i> , <b>2013</b> , 2, 1101-1106	17.1	99
88	NOD2 promotes renal injury by exacerbating inflammation and podocyte insulin resistance in diabetic nephropathy. <i>Kidney International</i> , <b>2013</b> , 84, 265-76	9.9	98
87	Self-powered metal surface anti-corrosion protection using energy harvested from rain drops and wind. <i>Nano Energy</i> , <b>2015</b> , 14, 193-200	17.1	93
86	Recent Progress in Power Generation from Water/Liquid Droplet Interaction with Solid Surfaces. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901069	15.6	92
85	Granulin epithelin precursor: a bone morphogenic protein 2-inducible growth factor that activates Erk1/2 signaling and JunB transcription factor in chondrogenesis. <i>FASEB Journal</i> , <b>2010</b> , 24, 1879-92	0.9	91
84	Power management and effective energy storage of pulsed output from triboelectric nanogenerator. <i>Nano Energy</i> , <b>2019</b> , 61, 517-532	17.1	88

83	Effects of Graphene Quantum Dots on the Self-Renewal and Differentiation of Mesenchymal Stem Cells. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 702-10	10.1	83
82	Cover-sheet-based nanogenerator for charging mobile electronics using low-frequency body motion/vibration. <i>Nano Energy</i> , <b>2014</b> , 9, 121-127	17.1	81
81	Direct-Current Triboelectric Nanogenerator Realized by Air Breakdown Induced Ionized Air Channel. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800889	21.8	79
80	Enhancing Output Power of Cylindrical Triboelectric Nanogenerators by Segmentation Design and Multilayer Integration. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6684-6690	15.6	71
79	Fluorescent graphene quantum dots as traceable, pH-sensitive drug delivery systems. <i>International Journal of Nanomedicine</i> , <b>2015</b> , 10, 6709-24	7.3	67
78	Progranulin protects against renal ischemia/reperfusion injury in mice. <i>Kidney International</i> , <b>2015</b> , 87, 918-29	9.9	65
77	A Self-Powered Angle Sensor at Nanoradian-Resolution for Robotic Arms and Personalized Medicare. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001466	24	56
76	Association Between Progranulin and Gaucher Disease. <i>EBioMedicine</i> , <b>2016</b> , 11, 127-137	8.8	53
75	Endothelial SIRT6 Is Vital to Prevent Hypertension and Associated Cardiorenal Injury Through Targeting Nkx3.2-GATA5 Signaling. <i>Circulation Research</i> , <b>2019</b> , 124, 1448-1461	15.7	50
74	PGRN acts as a novel regulator of mitochondrial homeostasis by facilitating mitophagy and mitochondrial biogenesis to prevent podocyte injury in diabetic nephropathy. <i>Cell Death and Disease</i> , <b>2019</b> , 10, 524	9.8	49
73	TiO <sub>2</sub> Nanorod Array Constructed Nanotopography for Regulation of Mesenchymal Stem Cells Fate and the Realization of Location-Committed Stem Cell Differentiation. <i>Small</i> , <b>2016</b> , 12, 1770-8	11	48
72	PGRN protects against colitis progression in mice in an IL-10 and TNFR2 dependent manner. <i>Scientific Reports</i> , <b>2014</b> , 4, 7023	4.9	46
71	In situ construction of a titanate-silver nanoparticle-titanate sandwich nanostructure on a metallic titanium surface for bacteriostatic and biocompatible implants. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19151		46
70	miR-130a upregulates mTOR pathway by targeting TSC1 and is transactivated by NF- $\kappa$ B in high-grade serous ovarian carcinoma. <i>Cell Death and Differentiation</i> , <b>2017</b> , 24, 2089-2100	12.7	45
69	Interleukin-6-stimulated progranulin expression contributes to the malignancy of hepatocellular carcinoma cells by activating mTOR signaling. <i>Scientific Reports</i> , <b>2016</b> , 6, 21260	4.9	45
68	Ultrafine Capillary-Tube Triboelectric Nanogenerator as Active Sensor for Microliquid Biological and Chemical Sensing. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700229	6.8	44
67	Self-powered electrocatalytic ammonia synthesis directly from air as driven by dual triboelectric nanogenerators. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 2450-2458	35.4	43
66	Self-powered triboelectric nano vibration accelerometer based wireless sensor system for railway state health monitoring. <i>Nano Energy</i> , <b>2017</b> , 34, 549-555	17.1	42

65	Structural figure-of-merits of triboelectric nanogenerators at powering loads. <i>Nano Energy</i> , <b>2018</b> , 51, 688-697	17.1	40
64	Growth factor progranulin promotes tumorigenesis of cervical cancer via PI3K/Akt/mTOR signaling pathway. <i>Oncotarget</i> , <b>2016</b> , 7, 58381-58395	3.3	37
63	One-Dimensional Hydroxyapatite Nanostructures with Tunable Length for Efficient Stem Cell Differentiation Regulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33717-33727	9.5	34
62	RbAp48 is a critical mediator controlling the transforming activity of human papillomavirus type 16 in cervical cancer. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 26381-91	5.4	34
61	NDR1 protein kinase promotes IL-17- and TNF- $\beta$ -mediated inflammation by competitively binding TRAF3. <i>EMBO Reports</i> , <b>2017</b> , 18, 586-602	6.5	32
60	In vitro investigation on the biodegradability and biocompatibility of genipin cross-linked porcine acellular dermal matrix with intrinsic fluorescence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 344-350	9.5	32
59	GC-MS-based metabolomic analysis of human papillary thyroid carcinoma tissue. <i>International Journal of Molecular Medicine</i> , <b>2015</b> , 36, 1607-14	4.4	32
58	Wind-Driven Radial-Engine-Shaped Triboelectric Nanogenerators for Self-Powered Absorption and Degradation of NO. <i>ACS Nano</i> , <b>2020</b> , 14, 2751-2759	16.7	31
57	Sensing of joint and spinal bending or stretching via a retractable and wearable badge reel. <i>Nature Communications</i> , <b>2021</b> , 12, 2950	17.4	31
56	Progranulin deficiency leads to severe inflammation, lung injury and cell death in a mouse model of endotoxic shock. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 506-17	5.6	31
55	Gene-expression profiles in gastric epithelial cells stimulated with spiral and coccoid <i>Helicobacter pylori</i> . <i>Journal of Medical Microbiology</i> , <b>2006</b> , 55, 1009-1015	3.2	27
54	An optimized yeast cell-free system: sufficient for translation of human papillomavirus 58 L1 mRNA and assembly of virus-like particles. <i>Journal of Bioscience and Bioengineering</i> , <b>2008</b> , 106, 8-15	3.3	26
53	Detection of Respiratory Infections Using RGB-Infrared Sensors on Portable Device. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 13674-13681	4	25
52	Growth factor progranulin contributes to cervical cancer cell proliferation and transformation in vivo and in vitro. <i>Gynecologic Oncology</i> , <b>2014</b> , 134, 364-71	4.9	25
51	Chinese Guideline on allergen immunotherapy for allergic rhinitis. <i>Journal of Thoracic Disease</i> , <b>2017</b> , 9, 4607-4650	2.6	24
50	Codon usage bias in <i>Chlamydia trachomatis</i> and the effect of codon modification in the MOMP gene on immune responses to vaccination. <i>Biochemistry and Cell Biology</i> , <b>2007</b> , 85, 218-26	3.6	24
49	Metabolomic profiles reveal key metabolic changes in heat stress-treated mouse Sertoli cells. <i>Toxicology in Vitro</i> , <b>2015</b> , 29, 1745-52	3.6	23
48	Elevation of JAML Promotes Diabetic Kidney Disease by Modulating Podocyte Lipid Metabolism. <i>Cell Metabolism</i> , <b>2020</b> , 32, 1052-1062.e8	24.6	23

47	Role of Inflammasome in Chronic Kidney Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1165, 407-421	3.6	19
46	Attomolar-Level Ultrasensitive and Multiplex microRNA Detection Enabled by a Nanomaterial Locally Assembled Microfluidic Biochip for Cancer Diagnosis. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 5129-5136	7.8	18
45	Penicisulfuranol A, a novel C-terminal inhibitor disrupting molecular chaperone function of Hsp90 independent of ATP binding domain. <i>Biochemical Pharmacology</i> , <b>2019</b> , 163, 404-415	6	17
44	Progranulin protects against endotoxin-induced acute kidney injury by downregulating renal cell death and inflammatory responses in mice. <i>International Immunopharmacology</i> , <b>2016</b> , 38, 409-19	5.8	17
43	Metabolic changes associated with papillary thyroid carcinoma: A nuclear magnetic resonance-based metabolomics study. <i>International Journal of Molecular Medicine</i> , <b>2018</b> , 41, 3006-3014	4.4	17
42	Characteristics of triboelectrification on dielectric surfaces contacted with a liquid metal in different gases. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 201603	3.4	16
41	Gpr97 Exacerbates AKI by Mediating Sema3A Signaling. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2018</b> , 29, 1475-1489	12.7	16
40	Progranulin alleviates podocyte injury via regulating CAMKK/AMPK-mediated autophagy under diabetic conditions. <i>Journal of Molecular Medicine</i> , <b>2019</b> , 97, 1507-1520	5.5	15
39	Therapeutic Potential of Progranulin in Hyperhomocysteinemia-Induced Cardiorenal Dysfunction. <i>Hypertension</i> , <b>2017</b> , 69, 259-266	8.5	15
38	Self-powered silicon PIN photoelectric detection system based on triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 69, 104461	17.1	15
37	NLRC5 deficiency protects against acute kidney injury in mice by mediating carcinoembryonic antigen-related cell adhesion molecule 1 signaling. <i>Kidney International</i> , <b>2018</b> , 94, 551-566	9.9	14
36	Radiation-inducible protein RbAp48 contributes to radiosensitivity of cervical cancer cells. <i>Gynecologic Oncology</i> , <b>2013</b> , 130, 601-8	4.9	14
35	The changes of proteomes components of Helicobacter pylori in response to acid stress without urea. <i>Journal of Microbiology</i> , <b>2008</b> , 46, 331-7	3	14
34	Two-photon fluorescent polydopamine nanodots for CAR-T cell function verification and tumor cell/tissue detection. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 6459-6467	7.3	12
33	Current situation and prospects of newborn screening and treatment for Phenylketonuria in China - compared with the current situation in the United States, UK and Japan. <i>Intractable and Rare Diseases Research</i> , <b>2013</b> , 2, 106-14	1.4	11
32	Localized committed differentiation of neural stem cells based on the topographical regulation effects of TiO <sub>2</sub> nanostructured ceramics. <i>Nanoscale</i> , <b>2016</b> , 8, 13186-91	7.7	10
31	Contact-electro-catalysis for the degradation of organic pollutants using pristine dielectric powders.. <i>Nature Communications</i> , <b>2022</b> , 13, 130	17.4	10
30	Role of PIM2 in allergic asthma. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 7504-7512	2.9	8

29	Identification of Gliotoxin isolated from marine fungus as a new pyruvate kinase M2 inhibitor. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 528, 594-600	3.4	8
28	<i>Helicobacter pylori</i> Outer Membrane Protein 18 (Hp1125) Is Involved in Persistent Colonization by Evading Interferon- $\gamma$ Signaling. <i>BioMed Research International</i> , <b>2015</b> , 2015, 571280	3	8
27	Self-powered ammonia synthesis under ambient conditions via N discharge driven by Tesla turbine triboelectric nanogenerators. <i>Microsystems and Nanoengineering</i> , <b>2021</b> , 7, 7	7.7	8
26	Progranulin is highly expressed in patients with chronic periodontitis and protects against experimental periodontitis in rats. <i>Journal of Periodontology</i> , <b>2018</b> , 89, 1418-1427	4.6	7
25	Advanced 3D printing-based triboelectric nanogenerator for mechanical energy harvesting and self-powered sensing. <i>Materials Today</i> , <b>2021</b> ,	21.8	7
24	$\beta$ 4-Galactosyltransferase V Modulates Breast Cancer Stem Cells through Wnt/ $\beta$ -catenin Signaling Pathway. <i>Cancer Research and Treatment</i> , <b>2020</b> , 52, 1084-1102	5.2	6
23	Nanocellulose-Reinforced Hydroxyapatite Nanobelt Membrane as a Stem Cell Multi-Lineage Differentiation Platform for Biomimetic Construction of Bioactive 3D Osteoid Tissue In Vitro. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2001851	10.1	6
22	Ultrasensitive, high-throughput and multiple cancer biomarkers simultaneous detection in serum based on graphene oxide quantum dots integrated microfluidic biosensing platform. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1178, 338791	6.6	6
21	Effect of Redox Atmosphere on Contact Electrification of Polymers. <i>ACS Nano</i> , <b>2020</b> ,	16.7	5
20	Rehabilitation of Total Knee Arthroplasty by Integrating Conjoint Isometric Myodynamia and Real-Time Rotation Sensing System.. <i>Advanced Science</i> , <b>2022</b> , e2105219	13.6	4
19	Release of transgenic progranulin from a living hyaline cartilage graft model: An in vitro evaluation on anti-inflammation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 2968-2977	5.4	3
18	The effect of physician educational intervention on venous thromboembolism pharmacological prophylaxis in medical inpatients from the respiratory department: a retrospective cohort study. <i>Annals of Palliative Medicine</i> , <b>2020</b> , 9, 3966-3975	1.7	2
17	RbAp48 Is Critical for the Proliferation of Hypopharyngeal Carcinoma. <i>Orl</i> , <b>2015</b> , 77, 310-9	2	2
16	Replication and transcription of human papillomavirus type 58 genome in <i>Saccharomyces cerevisiae</i> . <i>Virology Journal</i> , <b>2010</b> , 7, 368	6.1	2
15	Stressors, coping styles, and anxiety & depression in pediatric nurses with different lengths of service in six tertiary hospitals in Chengdu, China. <i>Translational Pediatrics</i> , <b>2020</b> , 9, 827-834	4.2	2
14	A Triboelectric Closed-Loop Sensing System for Authenticity Identification of Paper-Based Artworks. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000194	6.8	2
13	FGFR leads to sustained activation of STAT3 to mediate resistance to EGFR-TKIs treatment. <i>Investigational New Drugs</i> , <b>2021</b> , 39, 1201-1212	4.3	2
12	Epidemiological research, scientific research, and applied research on rare diseases in China: current challenges and prospects for the future. <i>Expert Opinion on Orphan Drugs</i> , <b>2017</b> , 5, 37-44	1.1	1

11	Progranulin facilitates the increase of platelet count in immune thrombocytopenia. <i>Thrombosis Research</i> , <b>2018</b> , 164, 24-31	8.2	1
10	PGK1-coupled HSP90 stabilizes GSK3 $\beta$ expression to regulate the stemness of breast cancer stem cells. <i>Cancer Biology and Medicine</i> , <b>2021</b> ,	5.2	1
9	HDN-1 induces cell differentiation toward apoptosis in promyelocytic leukemia cells depending on its selective effect on client proteins of Hsp90. <i>Toxicology and Applied Pharmacology</i> , <b>2021</b> , 417, 115459	4.6	1
8	CLEC14A protects against podocyte injury in mice with adriamycin nephropathy. <i>FASEB Journal</i> , <b>2021</b> , 35, e21711	0.9	1
7	Active-Sensing Epidermal Stretchable Bioelectronic Patch for Noninvasive, Conformal, and Wireless Tendon Monitoring. <i>Research</i> , <b>2021</b> , 2021, 9783432	7.8	1
6	Patient pathway analysis of tuberculosis diagnostic delay: a multicentre retrospective cohort study in China. <i>Clinical Microbiology and Infection</i> , <b>2021</b> , 27, 1000-1006	9.5	1
5	Gene deficiency or pharmacological inhibition of PDCD4-mediated FGR signaling protects against acute kidney injury. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 394-405	15.5	1
4	SUV39H1 is a New Client Protein of Hsp90 Degradated by Chaetocin as a Novel C-Terminal Inhibitor of Hsp90. <i>Biomolecules and Therapeutics</i> , <b>2021</b> , 29, 73-82	4.2	1
3	Pediatric Asthma Situation in Chengdu, China, During the COVID-19 Pandemic: An Observational Study. <i>Journal of Asthma and Allergy</i> , <b>2021</b> , 14, 829-838	3.1	1
2	Active-Matrix Sensing Array Assisted with Machine-Learning Approach for Lumbar Degenerative Disease Diagnosis and Postoperative Assessment. <i>Advanced Functional Materials</i> , 2113008	15.6	1
1	Diacylglycerol kinase epsilon protects against renal ischemia/reperfusion injury in mice through Kr $\mu$ ppl-like factor 15/klotho pathway. <i>Renal Failure</i> , <b>2022</b> , 44, 902-913	2.9	