

# Wei Tang

## 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.

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 | 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         |
| 99  | 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        |
| 98  | Diacylglycerol kinase epsilon protects against renal ischemia/reperfusion injury in mice through Krppel-like factor 15/klotho pathway. <i>Renal Failure</i> , <b>2022</b> , 44, 902-913  | 2.9  |           |
| 97  | 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         |
| 96  | 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        |
| 95  | 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         |
| 94  | 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         |
| 93  | 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        |
| 92  | Advanced 3D printing-based triboelectric nanogenerator for mechanical energy harvesting and self-powered sensing. <i>Materials Today</i> , <b>2021</b> ,   | 21.8 | 7         |
| 91  | CLEC14A protects against podocyte injury in mice with adriamycin nephropathy. <i>FASEB Journal</i> , <b>2021</b> , 35, e21711  | 0.9  | 1         |
| 90  | Active-Sensing Epidermal Stretchable Bioelectronic Patch for Noninvasive, Conformal, and Wireless Tendon Monitoring. <i>Research</i> , <b>2021</b> , 2021, 9783432   | 7.8  | 1         |
| 89  | 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         |
| 88  | 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         |
| 87  | 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         |
| 86  | 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         |
| 85  | 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         |
| 84  | 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         |

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|----|---|------|----|
| 83 | 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  |
| 82 | 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  |
| 81 | 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  |
| 80 | 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 |
| 79 | 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 |
| 78 | Detection of Respiratory Infections Using RGB-Infrared Sensors on Portable Device. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 13674-13681  | 4    | 25 |
| 77 | 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 |
| 76 | 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  |
| 75 | β4-Galactosyltransferase V Modulates Breast Cancer Stem Cells through Wnt/βcatenin Signaling Pathway. <i>Cancer Research and Treatment</i> , <b>2020</b> , 52, 1084-1102  | 5.2  | 6  |
| 74 | Self-powered silicon PIN photoelectric detection system based on triboelectric nanogenerator. <i>Nano Energy</i> , <b>2020</b> , 69, 104461   | 17.1 | 15 |
| 73 | 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  |
| 72 | Effect of Redox Atmosphere on Contact Electrification of Polymers. <i>ACS Nano</i> , <b>2020</b> ,  | 16.7 | 5  |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | 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 |
| 67 | 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 |
| 66 | Role of Inflammasome in Chronic Kidney Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1165, 407-421  | 3.6  | 19 |

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|----|--|------|-----|
| 65 | 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  |
| 64 | 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  |
| 63 | Progranulin facilitates the increase of platelet count in immune thrombocytopenia. <i>Thrombosis Research</i> , <b>2018</b> , 164, 24-31   | 8.2  | 1   |
| 62 | Three-dimensional ultraflexible triboelectric nanogenerator made by 3D printing. <i>Nano Energy</i> , <b>2018</b> , 45, 380-389  | 17.1 | 135 |
| 61 | 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  |
| 60 | Structural figure-of-merits of triboelectric nanogenerators at powering loads. <i>Nano Energy</i> , <b>2018</b> , 51, 688-697  | 17.1 | 40  |
| 59 | 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   |
| 58 | 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  |
| 57 | 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  |
| 56 | 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 |
| 55 | 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  |
| 54 | 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  |
| 53 | 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  |
| 52 | 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   |
| 51 | NDR1 protein kinase promotes IL-17- and TNF- $\alpha$ -mediated inflammation by competitively binding TRAF3. <i>EMBO Reports</i> , <b>2017</b> , 18, 586-602   | 6.5  | 32  |
| 50 | 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  |
| 49 | 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  |
| 48 | Role of PIM2 in allergic asthma. <i>Molecular Medicine Reports</i> , <b>2017</b> , 16, 7504-7512   | 2.9  | 8   |

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| 47 | Chinese Guideline on allergen immunotherapy for allergic rhinitis. <i>Journal of Thoracic Disease</i> , <b>2017</b> , 9, 4607-4650   | 2.6  | 24   |
| 46 | 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   |
| 45 | 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   |
| 44 | Therapeutic Potential of Progranulin in Hyperhomocysteinemia-Induced Cardiorenal Dysfunction. <i>Hypertension</i> , <b>2017</b> , 69, 259-266  | 8.5  | 15   |
| 43 | 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  |
| 42 | Association Between Progranulin and Gaucher Disease. <i>EBioMedicine</i> , <b>2016</b> , 11, 127-137   | 8.8  | 53   |
| 41 | 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   |
| 40 | 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   |
| 39 | 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  |
| 38 | 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   |
| 37 | 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   |
| 36 | Flexible Nanogenerators for Energy Harvesting and Self-Powered Electronics. <i>Advanced Materials</i> , <b>2016</b> , 28, 4283-305   | 24   | 1065 |
| 35 | 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   |
| 34 | 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   |
| 33 | 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  |
| 32 | 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    |
| 31 | 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   |
| 30 | 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   |

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| 29 | Implantable Self-Powered Low-Level Laser Cure System for Mouse Embryonic Osteoblasts R Proliferation and Differentiation. <i>ACS Nano</i> , <b>2015</b> , 9, 7867-73   | 16.7 | 110 |
| 28 | Standards and figure-of-merits for quantifying the performance of triboelectric nanogenerators. <i>Nature Communications</i> , <b>2015</b> , 6, 8376   | 17.4 | 470 |
| 27 | 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 |
| 26 | Helicobacter pylori 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   |
| 25 | 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  |
| 24 | RbAp48 Is Critical for the Proliferation of Hypopharyngeal Carcinoma. <i>Orl</i> , <b>2015</b> , 77, 310-9   | 2    | 2   |
| 23 | 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  |
| 22 | 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  |
| 21 | Self-powered cleaning of air pollution by wind driven triboelectric nanogenerator. <i>Nano Energy</i> , <b>2015</b> , 14, 217-225  | 17.1 | 168 |
| 20 | Progranulin protects against renal ischemia/reperfusion injury in mice. <i>Kidney International</i> , <b>2015</b> , 87, 918-29   | 9.9  | 65  |
| 19 | 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  |
| 18 | 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  |
| 17 | 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  |
| 16 | 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  |
| 15 | 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, 344-50 | 9.5  | 32  |
| 14 | Self-powered flexible printed circuit board with integrated triboelectric generator. <i>Nano Energy</i> , <b>2013</b> , 2, 1101-1106   | 17.1 | 99  |
| 13 | Radiation-inducible protein RbAp48 contributes to radiosensitivity of cervical cancer cells. <i>Gynecologic Oncology</i> , <b>2013</b> , 130, 601-8  | 4.9  | 14  |
| 12 | 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  |

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|----|---|------|-----|
| 11 | 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  |
| 10 | 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  |
| 9  | 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 |
| 8  | 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  |
| 7  | 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   |
| 6  | 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  |
| 5  | The changes of proteomes components of <i>Helicobacter pylori</i> in response to acid stress without urea. <i>Journal of Microbiology</i> , <b>2008</b> , 46, 331-7   | 3    | 14  |
| 4  | 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  |
| 3  | 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  |
| 2  | 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  |
| 1  | 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   |