

Yi-Cheng Wang

List of Publications by Year in descending order

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29
papers

3,619
citations

304743

22
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

3771
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the association between date labels and consumer-level food waste. <i>Food Quality and Preference</i> , 2022, 96, 104373.	4.6	9
2	Recent advances in CRISPR-based systems for the detection of foodborne pathogens. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3010-3029.	11.7	23
3	Conductive polyaniline-graphene oxide sorbent for electrochemically assisted solid-phase extraction of lead ions in aqueous food samples. <i>Analytica Chimica Acta</i> , 2020, 1100, 57-65.	5.4	32
4	Cellulose II Aerogel-based Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , 2020, 30, 2001763.	14.9	123
5	Direct Current Fabric Triboelectric Nanogenerator for Biomotion Energy Harvesting. <i>ACS Nano</i> , 2020, 14, 4585-4594.	14.6	170
6	A Hybridized Triboelectric-Electromagnetic Water Wave Energy Harvester Based on a Magnetic Sphere. <i>ACS Nano</i> , 2019, 13, 2349-2356.	14.6	92
7	Triboelectric nanogenerator by integrating a cam and a movable frame for ambient mechanical energy harvesting. <i>Nano Energy</i> , 2019, 60, 137-143.	16.0	63
8	A Triboelectric Nanogenerator-based Smart Insole for Multifunctional Gait Monitoring. <i>Advanced Materials Technologies</i> , 2019, 4, 1800360.	5.8	181
9	On the Electron Transfer Mechanism in the Contact Electrification Effect. <i>Advanced Materials</i> , 2018, 30, e1706790.	21.0	483
10	Liquid-FEP-based U-tube triboelectric nanogenerator for harvesting water-wave energy. <i>Nano Research</i> , 2018, 11, 4062-4073.	10.4	143
11	A Soft and Robust Spring Based Triboelectric Nanogenerator for Harvesting Arbitrary Directional Vibration Energy and Self-Powered Vibration Sensing. <i>Advanced Energy Materials</i> , 2018, 8, 1702432.	19.5	186
12	Shape Memory Polymers for Body Motion Energy Harvesting and Self-Powered Mechanosensing. <i>Advanced Materials</i> , 2018, 30, 1705195.	21.0	249
13	Rationally designed sea snake structure based triboelectric nanogenerators for effectively and efficiently harvesting ocean wave energy with minimized water screening effect. <i>Nano Energy</i> , 2018, 48, 421-429.	16.0	195
14	Dynamic Electronic Doping for Correlated Oxides by a Triboelectric Nanogenerator. <i>Advanced Materials</i> , 2018, 30, e1803580.	21.0	20
15	Elastic-Beam Triboelectric Nanogenerator for High-Performance Multifunctional Applications: Sensitive Scale, Acceleration/Force/Vibration Sensor, and Intelligent Keyboard. <i>Advanced Energy Materials</i> , 2018, 8, 1802159.	19.5	102
16	Versatile Core-Sheath Yarn for Sustainable Biomechanical Energy Harvesting and Real-Time Human-Interactive Sensing. <i>Advanced Energy Materials</i> , 2018, 8, 1801114.	19.5	212
17	Biopolymer/gold nanoparticles composite plasmonic thermal history indicator to monitor quality and safety of perishable bioproducts. <i>Biosensors and Bioelectronics</i> , 2017, 92, 109-116.	10.1	67
18	High-Valence-State NiO/Co ₃ O ₄ Nanoparticles on Nitrogen-Doped Carbon for Oxygen Evolution at Low Overpotential. <i>ACS Energy Letters</i> , 2017, 2, 2177-2182.	17.4	200

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19	A Highly Stretchable and Washable All-Yarn-Based Self-Charging Knitting Power Textile Composed of Fiber Triboelectric Nanogenerators and Supercapacitors. <i>ACS Nano</i> , 2017, 11, 9490-9499.	14.6	419
20	An aeroelastic flutter based triboelectric nanogenerator as a self-powered active wind speed sensor in harsh environment. <i>Extreme Mechanics Letters</i> , 2017, 15, 122-129.	4.1	123
21	3D Orthogonal Woven Triboelectric Nanogenerator for Effective Biomechanical Energy Harvesting and as Self-Powered Active Motion Sensors. <i>Advanced Materials</i> , 2017, 29, 1702648.	21.0	321
22	High-density platinum nanoparticle-decorated titanium dioxide nanofiber networks for efficient capillary photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11672-11679.	10.3	18
23	One-pot nanoparticulation of potentially bioactive peptides and gallic acid encapsulation. <i>Food Chemistry</i> , 2016, 210, 317-324.	8.2	21
24	One-Pot Procedure for Recovery of Gallic Acid from Wastewater and Encapsulation within Protein Particles. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1575-1582.	5.2	10
25	Reduced Graphene Oxide/Carbon Nanotube/Gold Nanoparticles Nanocomposite Functionalized Screen-Printed Electrode for Sensitive Electrochemical Detection of Endocrine Disruptor Bisphenol A. <i>Electroanalysis</i> , 2015, 27, 2527-2536.	2.9	51
26	A Simple and Green Route for Room-Temperature Synthesis of Gold Nanoparticles and Selective Colorimetric Detection of Cysteine. <i>Journal of Food Science</i> , 2015, 80, N2071-8.	3.1	22
27	Gold nanoparticle-based thermal history indicator for monitoring low-temperature storage. <i>Mikrochimica Acta</i> , 2015, 182, 1305-1311.	5.0	23
28	Low-temperature solution process for preparing flexible transparent carbon nanotube film for use in flexible supercapacitors. <i>Nano Research</i> , 2015, 8, 3430-3445.	10.4	28
29	Spectroscopic and microscopic investigation of gold nanoparticle nucleation and growth mechanisms using gelatin as a stabilizer. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	33