


# Nomination Application Form

## PERSONAL DETAILS

	Full Name	Zhen Wen
	Gender	Male
	Designation	Professor
	Department	Institute of Functional Nano & Soft Materials
	Institution/Organization	Soochow University
	Qualification	Ph.D.
	Area of Specialization	Materials Science and Engineering
	Sub Division	Materials Science
	DOB	Jan. 23, 1989
	DOJ	/
	Total Experience	2022.07 - Now, Soochow University, Suzhou, China, Professor 2019.12 - 2021.10, Ministry of Science and Technology of China, Beijing, China, Project Supervisor 2018.07 - 2022.06, Soochow University, Suzhou, China, Associate Professor 2016.09 - 2018.06, Soochow University, Suzhou, China, Assistant Professor 2011.08 - 2016.09, Zhejiang University, Hangzhou, China, Ph.D. candidate 2014.09 - 2016.03, Georgia Institute of Technology, Atlanta, USA, Joint Ph.D. student 2007.09 - 2011.06, China University of Mining and Technology, Xuzhou, China. B.S. degree
	Mobile Number	+86-15150127007
	Email	wenzhen2011@suda.edu.cn

### About your Education, Experience and Academic achievements (200 words)

I am a professor in the Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University, China. I received my B.S. degree in Materials Science and Engineering from China University of Mining and Technology, China in 2011 and Ph.D. degree in Materials Physics and Chemistry from Zhejiang University, China in 2016. During 2014~2016, I was supported by the program of China Scholarship Council as a joint Ph.D. candidate in Georgia Institute of Technology, US. I have joined Institute of Functional Nano & Soft Materials (FUNSOM), Soochow University since Sep. 2016. My research interests focus on triboelectric nanogenerator based energy harvesting and self-powered sensing system. So far, I have published more than 116 peer-reviewed papers with 13 papers selected as the front/back cover article. The whole citation is more than 9200 with the h-index of 52. I have also been authorized 24 invention patents, and 10 of them have achieved technology transfer. I am serving as the associate editor of *Electronic Letters* and undertaking the special project of "Smart Sensor" in the National Key R&D Program of China and the general project of National Natural Science Foundation, etc. I am also selected into the Youth Promotion Talent Project of Jiangsu Association for Science and Technology.

## RESEARCH, INNOVATIONS AND EXTENSION

Question	Nos.	Question	Nos.
No. of Research Project Completed and On Going	13	Citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index	8,146
No. of Consultancy and Industries Sponsored Projects	5	No. of Books Published with ISBN (Text, Reference, Chapters and Conference Proceedings)	1
Total cost of the all Projects in USD/INR	\$520,000	No. of Patent Published and Under Process	44
No. of Journals Published in SCI and SCIE index	117	No. of Editorial Appointments in Journals/ Conferences (Editor, Reviewer and Member)	6
No. of Journals Published in Scopus, Web of Science and PubMed index	112	No. of Countries Visited for research activities	3
No. of Journals Published in Other index	4	No. of Research scholar Graduated	21
No. of Conference Presentation	21	No. of Research scholar On Going	23
Cumulative impact factor of the last 3 years	32	No. Invited Speaker/ Resource person	13
H-index: Bibliometrics of the publications based on Scopus/ Web of Science.	52	No. of Research Conference/workshop Organized	4
Total number of Collaborative activities for research: (Joint publication/Project)	46	Total number of awards and recognition received	3
Number of functional MoUs with other universities/ industries/ corporate.	1	No. of Member of Professional Bodies:	80

### Areas of Research

Nanogenerator and Smart Sensors

### About your contribution towards the Research & Development, Innovations, and Extension Activities (200 words)

I am mainly engaged in the research field of self-powered sensor based on triboelectric nanogenerator (TENG). I developed several new fabrication technologies for the design and preparation of triboelectric sensing materials and devices. The electromechanical coupling structure-activity model of triboelectric sensor is constructed and the revealed regulation mechanism of sensing performance is also clarified. The effective regulation of triboelectric charge behavior is realized through surface engineering and interface engineering. The capture-storage-blocking synergistic mechanism of charge regulated by interface electric field is revealed. The load output characteristics of triboelectric sensor are clarified, and a self-powered sensing mechanism based on impedance/capacitive reactance matching effect is proposed. Several sets of self-powered sensing systems are developed, which significantly improves the miniaturization and chip integration level in this field. My work not only supplements the theory of nanogenerator, facilitate the optimization of materials and devices, but also accelerate the commercialization process of this promising field.

## PERSONAL/ RESEARCH PROOFS, CATEGORY OF AWARD AND DECLARATION

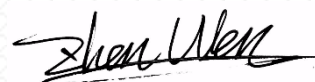
Google scholar link (Publication Proof)	<a href="https://scholar.google.com/citations?user=_AP52WgAAAAJ&amp;hl=zh-CN">https://scholar.google.com/citations?user=_AP52WgAAAAJ&amp;hl=zh-CN</a>	
Scopus link (Publication Proof)	/	
Linkedin link (Publication Proof)	/	
Researchgate link (Publication Proof)	/	
Institute ID Link/Upload/Number (Working Proof)	No. 16D079	
Certificate Links/Upload/Number (Education Proof of Last degree)	No. 1033522016261048	
Passport/ Govt. ID Links/Upload/ Number (Age Proof)	No. 320303198901233618	
Personal website link	<a href="http://funsom.suda.edu.cn/funsomen/c6/76/c4797a50806/page.htm">http://funsom.suda.edu.cn/funsomen/c6/76/c4797a50806/page.htm</a>	
Tick the Suitable award category	<input type="checkbox"/> Distinguished Scientist Award <input type="checkbox"/> Young Scientist Award <input type="checkbox"/> Life time achievement Award <input type="checkbox"/> Outstanding scientist award <input type="checkbox"/> Women Research Award <input checked="" type="checkbox"/> <b>Best Researcher Award</b> <input type="checkbox"/> Best Innovation Award	<input type="checkbox"/> Best Faculty Award <input type="checkbox"/> Best Research Scholar Award <input type="checkbox"/> Excellence in Innovation <input type="checkbox"/> Excellence in Research <input type="checkbox"/> Excellence Award (Any Scientific field) <input type="checkbox"/> Best Research /Innovation Extension activity.

### Self Declaration

I authenticate that to the best of my knowledge, the information given in this form is correct and complete. At any time I am found to have concealed any material information, my application shall be liable to be summarily terminated without notice. I have read the terms and conditions and other policies of the International Research Awards and agree to stand the same. I agree to Pencil to process the data submitted in this application form, or any other data that the Foundation may obtain from me for any purposes connected with Pencil for any other legitimate reason. The filled applications along with duly completed curriculum vitae, Pass port size photograph, Scan copy of the degree Certificate, Scan copy of the Working ID and related documents should be Upload in website/ sent via email to : [contact@pencil.com](mailto:contact@pencil.com)

Date : July 26, 2022 Place : Suzhou, China

Scanned Signature of Applicant



### Office Use only

Decision	Reason	Signature of authorities	Date
Selected/Rejected			