

# Yuanfen Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7712906/publications.pdf>

Version: 2024-02-01

20  
papers

336  
citations

758635

12  
h-index

839053

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Electronics as Sustainable Systems: From Fundamentals to Applications. <i>Advanced Sustainable Systems</i> , 2022, 6, 2100057.	2.7	26
2	A Composite Porous Membrane Based on Derived Cellulose for Transient Gel Electrolyte in Transient Lithium-Ion Batteries. <i>Materials</i> , 2022, 15, 1584.	1.3	4
3	A Novel Planar Grounded Capacitively Coupled Contactless Conductivity Detector for Microchip Electrophoresis. <i>Micromachines</i> , 2022, 13, 394.	1.4	7
4	Recent Progress of Switching Power Management for Triboelectric Nanogenerators. <i>Sensors</i> , 2022, 22, 1668.	2.1	15
5	Raindrop energy-powered autonomous wireless hyetometer based on liquid–solid contact electrification. <i>Microsystems and Nanoengineering</i> , 2022, 8, 30.	3.4	33
6	Substrate-free, ultra-conformable PEDOT: PSS E-tattoo achieved by energy regulation on skin. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114118.	5.3	18
7	Self-Powered and Autonomous Vibrational Wake-Up System Based on Triboelectric Nanogenerators and MEMS Switch. <i>Sensors</i> , 2022, 22, 3752.	2.1	11
8	Dual Mode Rotary Triboelectric Nanogenerator for Collecting Kinetic Energy from Bicycle Brake. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000113.	2.8	19
9	Study of Partially Transient Organic Epidermal Sensors. <i>Materials</i> , 2020, 13, 1112.	1.3	5
10	Active Transiency: A Novel Approach to Expedite Degradation in Transient Electronics. <i>Materials</i> , 2020, 13, 1514.	1.3	5
11	Study of Agave Fiber-Reinforced Biocomposite Films. <i>Materials</i> , 2019, 12, 99.	1.3	16
12	Interfacial Stress in Physically Transient Layered Structures: An Experimental and Analytical Approach. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601076.	1.9	8
13	Study of Interfacial Interactions in Physically Transient Soft Layered Structures: A Step toward Understanding Interfacial Bonding and Failure in Soft Degradable Structures. <i>Advanced Engineering Materials</i> , 2017, 19, 1700139.	1.6	3
14	Microfibers as Physiologically Relevant Platforms for Creation of 3D Cell Cultures. <i>Macromolecular Bioscience</i> , 2017, 17, 1700279.	2.1	34
15	Soft Ionic Electroactive Polymer Actuators with Tunable Non-Linear Angular Deformation. <i>Materials</i> , 2017, 10, 664.	1.3	15
16	Study of mechanics of physically transient electronics: A step toward controlled transiency. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 517-524.	2.4	17
17	Physical-chemical hybrid transiency: A fully transient li-ion battery based on insoluble active materials. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2021-2027.	2.4	26
18	Transient bioelectronics: Electronic properties of silver microparticle-based circuits on polymeric substrates subjected to mechanical load. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1603-1610.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Ionic Liquid-Doped Gel Polymer Electrolyte for Flexible Lithium-Ion Polymer Batteries. <i>Materials</i> , 2015, 8, 2735-2748.	1.3	48
20	Multisource Energy Harvester with Coupling Structure and Multiplexing Mechanism. <i>Advanced Materials Interfaces</i> , 0, , 2200468.	1.9	2