

# Song Yun Cho

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,687  
citations

331670

21  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Flexible and Durable Thermoelectric Power Generator Using CNT/PDMS Foam by Rapid Solvent Evaporation. <i>Small</i> , 2022, 18, e2106108.	10.0	23
2	Highly efficient and air stable thermoelectric devices of poly(3-hexylthiophene) by dual doping of Au metal precursors. <i>Nano Energy</i> , 2021, 82, 105681.	16.0	27
3	Proton Conducting Perhydropolysilazane-Derived Gate Dielectric for Solution-Processed Metal Oxide-Based Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 15396-15405.	8.0	13
4	Elastic thermoelectric sponge for pressure-induced enhancement of power generation. <i>Nano Energy</i> , 2020, 74, 104824.	16.0	17
5	Enhanced Thermoelectric Performance of Conjugated Polymer/CNT Nanocomposites by Modulating the Potential Barrier Difference between Conjugated Polymer and CNT. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1282-1289.	4.3	26
6	Freely Shapable and 3D Porous Carbon Nanotube Foam Using Rapid Solvent Evaporation Method for Flexible Thermoelectric Power Generators. <i>Advanced Energy Materials</i> , 2019, 9, 1900914.	19.5	63
7	Highly Integrated and Flexible Thermoelectric Module Fabricated by Brush-Cast Doping of a Highly Aligned Carbon Nanotube Web. <i>ACS Applied Energy Materials</i> , 2019, 2, 1093-1101.	5.1	15
8	Influence of the incorporation of small conjugated molecules on the thermoelectric properties of carbon nanotubes. <i>Organic Electronics</i> , 2018, 57, 165-170.	2.6	15
9	Wet-spinning and post-treatment of CNT/PEDOT:PSS composites for use in organic fiber-based thermoelectric generators. <i>Carbon</i> , 2018, 133, 293-299.	10.3	128
10	Thermoelectric fibers from well-dispersed carbon nanotube/poly(vinylidene fluoride) pastes for fiber-based thermoelectric generators. <i>Nanoscale</i> , 2018, 10, 19766-19773.	5.6	71
11	Preparation of Highly Stable Black Phosphorus by Gold Decoration for High Performance Thermoelectric Generators. <i>Advanced Functional Materials</i> , 2018, 28, 1800532.	14.9	49
12	High Thermoelectric Power Factor of a Diketopyrrolopyrrole-Based Low Bandgap Polymer via Finely Tuned Doping Engineering. <i>Scientific Reports</i> , 2017, 7, 44704.	3.3	90
13	Improved interaction between semiconducting polymer and carbon nanotubes in thermoelectric composites through covalent grafting. <i>Carbon</i> , 2017, 124, 662-668.	10.3	35
14	High-performance flexible thermoelectric generator by control of electronic structure of directly spun carbon nanotube webs with various molecular dopants. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15631-15639.	10.3	79
15	Engineered nanocarbon mixing for enhancing the thermoelectric properties of a telluride-PEDOT:PSS nanocomposite. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17867-17873.	10.3	55
16	Improving the thermoelectric power factor of CNT/PEDOT:PSS nanocomposite films by ethylene glycol treatment. <i>RSC Advances</i> , 2016, 6, 53339-53344.	3.6	99
17	Foldable Thermoelectric Materials: Improvement of the Thermoelectric Performance of Directly Spun CNT Webs by Individual Control of Electrical and Thermal Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22142-22150.	8.0	80
18	Enhancement of Thermoelectric Properties of PEDOT:PSS and Tellurium-PEDOT:PSS Hybrid Composites by Simple Chemical Treatment. <i>Scientific Reports</i> , 2016, 6, 18805.	3.3	315

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19	Solution synthesis of telluride-based nano-barbell structures coated with PEDOT:PSS for spray-printed thermoelectric generators. <i>Nanoscale</i> , 2016, 8, 10885-10890.	5.6	69
20	Facile Preparation of Highly Conductive Metal Oxides by Self-Combustion for Solution-Processed Thermoelectric Generators. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5216-5223.	8.0	22
21	Effect of film thickness and crystallinity on the thermoelectric properties of doped P3HT films. <i>RSC Advances</i> , 2015, 5, 11385-11391.	3.6	32
22	Enhanced Thermoelectric Performance of Bar-Coated SWCNT/P3HT Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6550-6556.	8.0	75
23	Effective doping by spin-coating and enhanced thermoelectric power factors in SWCNT/P3HT hybrid films. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12314-12319.	10.3	94
24	Spray-printed CNT/P3HT organic thermoelectric films and power generators. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21428-21433.	10.3	147
25	Soluble oxide gate dielectrics prepared using the self-combustion reaction for high-performance thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5695-5703.	5.5	48