

# Sang-Jin Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

616  
citations

840776

11  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roll-to-Roll sputtered ITO/Cu/ITO multilayer electrode for flexible, transparent thin film heaters and electrochromic applications. <i>Scientific Reports</i> , 2016, 6, 33868.	3.3	104
2	Large area roll-to-roll sputtering of transparent ITO/Ag/ITO cathodes for flexible inverted organic solar cell modules. <i>Organic Electronics</i> , 2016, 30, 112-121.	2.6	80
3	Nano-sized Ag inserted into ITO films prepared by continuous roll-to-roll sputtering for high-performance, flexible, transparent film heaters. <i>RSC Advances</i> , 2016, 6, 46634-46642.	3.6	67
4	Antireflective, self-cleaning and protective film by continuous sputtering of a plasma polymer on inorganic multilayer for perovskite solar cells application. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 55-61.	6.2	56
5	Highly efficient and stable flexible perovskite solar cells enabled by using plasma-polymerized-fluorocarbon antireflection layer. <i>Nano Energy</i> , 2021, 82, 105737.	16.0	46
6	Fluorocarbon Thin Films Fabricated using Carbon Nanotube/Polytetrafluoroethylene Composite Polymer Targets via Mid-Frequency Sputtering. <i>Scientific Reports</i> , 2017, 7, 1451.	3.3	36
7	Super-hydrophobic and antimicrobial properties of Ag-PPFC nanocomposite thin films fabricated using a ternary carbon nanotube-Ag-PTFE composite sputtering target. <i>Surface and Coatings Technology</i> , 2019, 370, 18-23.	4.8	35
8	Flexible Polymer/Metal/Polymer and Polymer/Metal/Inorganic Trilayer Transparent Conducting Thin Film Heaters with Highly Hydrophobic Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 33129-33136.	8.0	33
9	Hydrophobic and stretchable Ag nanowire network electrode passivated by a sputtered PTFE layer for self-cleaning transparent thin film heaters. <i>RSC Advances</i> , 2018, 8, 18508-18518.	3.6	27
10	Moisture barrier and bending properties of silicon nitride films prepared by roll-to-roll plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , 2018, 660, 101-107.	1.8	24
11	Self-Cleaning Transparent Heat Mirror with a Plasma Polymer Fluorocarbon Thin Film Fabricated by a Continuous Roll-to-Roll Sputtering Process. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10454-10460.	8.0	20
12	Plasma-Polymer-Fluorocarbon Thin Film Coated Nanostructured-Polyethylene Terephthalate Surface with Highly Durable Superhydrophobic and Antireflective Properties. <i>Polymers</i> , 2020, 12, 1026.	4.5	11
13	Highly flexible, hydrophobic, and large area plasma-polymer-fluorocarbon/Cu/SiN <sub>x</sub> transparent thin film heater and thermotherapy pad application. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900188.	3.0	11
14	Transparent, Water-Repellent, Antiviral, Antistatic, and Flexible Cu-Plasma-Polymerized Fluorocarbon Nanocomposite Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10301-10312.	8.0	11
15	Surface plasmonic resonance tunable nanocomposite thin films applicable to color filters, heat mirrors, semi-transparent electrodes, and electromagnetic-shields. <i>Nanoscale</i> , 2021, 13, 12260-12270.	5.6	9
16	Effects of carbon concentration on high-hardness plasma-polymer-fluorocarbon film deposited by mid-range frequency sputtering. <i>Scientific Reports</i> , 2019, 9, 10664.	3.3	8
17	Facile fabrication of micro/nano-structured wrinkles by controlling elastic properties of polydimethylsiloxane substrates. <i>Polymer</i> , 2021, 212, 123087.	3.8	8
18	Moisture barrier films containing plasma polymer fluorocarbon/inorganic multilayers fabricated via continuous roll-to-roll sputtering. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700221.	3.0	7

#	ARTICLE	IF	CITATIONS
19	Optical, Electrical, and Surface Properties of Cu/Plasma Polymer Fluorocarbon Nanocomposite Thin Film Fabricated Using Metal/Polymer Composite Target. Applied Sciences (Switzerland), 2019, 9, 1296.	2.5	7
20	Fabrication of Structurally Simple Index-Matched ITO Films Using Roll-to-Roll Sputtering for Touch Screen Panel Devices. Plasma Processes and Polymers, 2015, 12, 1322-1327.	3.0	6
21	High-performance rollable polymer/metal/polymer thin-film heater and heat mirror. Plasma Processes and Polymers, 0, , e2100098.	3.0	3
22	Effect of the outgassed moisture from polymer substrate on the electrical properties of indium tin oxide thin films. Thin Solid Films, 2017, 632, 128-133.	1.8	2
23	Influence of MgF <sub>2</sub> nanoparticles in the plasma polymer fluorocarbon-based transparent nanocomposite thin films on the surface hardness properties. Plasma Processes and Polymers, 2020, 17, 2000064.	3.0	2
24	Transparent and flexible heaters using plasma polymer fluorocarbon/silver bilayer thin films. Thin Solid Films, 2022, 753, 139294.	1.8	2
25	Cover Picture: Plasma Process. Polym. 7 <sup>th</sup> •2018. Plasma Processes and Polymers, 2018, 15, 1870017.	3.0	1