

Won-June Lee

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,171
citations

687363

13
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

2036
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of PEDOT:PSS crystallinity and composition on electrochemical transistor performance and long-term stability. <i>Nature Communications</i> , 2018, 9, 3858.	12.8	276
2	Sol-gel metal oxide dielectrics for all-solution-processed electronics. <i>Materials Science and Engineering Reports</i> , 2017, 114, 1-22.	31.8	180
3	In-Depth Studies on Rapid Photochemical Activation of Various Sol-Gel Metal Oxide Films for Flexible Transparent Electronics. <i>Advanced Functional Materials</i> , 2015, 25, 2807-2815.	14.9	172
4	Large-Scale Precise Printing of Ultrathin Sol-Gel Oxide Dielectrics for Directly Patterned Solution-Processed Metal Oxide Transistor Arrays. <i>Advanced Materials</i> , 2015, 27, 5043-5048.	21.0	117
5	High-performance, polymer-based direct cellular interfaces for electrical stimulation and recording. <i>NPG Asia Materials</i> , 2018, 10, 255-265.	7.9	65
6	Low-Voltage Flexible Organic Electronics Based on High-Performance Sol-Gel Titanium Dioxide Dielectric. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7456-7461.	8.0	54
7	Sub-0.5 V Highly Stable Aqueous Salt Gated Metal Oxide Electronics. <i>Scientific Reports</i> , 2015, 5, 13088.	3.3	51
8	Atomic Vacancy Control and Elemental Substitution in a Monolayer Molybdenum Disulfide for High Performance Optoelectronic Device Arrays. <i>Advanced Functional Materials</i> , 2020, 30, 1908147.	14.9	50
9	Ultralow-Temperature Solution-Processed Aluminum Oxide Dielectrics via Local Structure Control of Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35114-35124.	8.0	44
10	Plasmonic Silver Nanoparticle-Impregnated Nanocomposite BiVO ₄ Photoanode for Plasmon-Enhanced Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7088-7093.	3.1	42
11	Direct patterning of sol-gel metal oxide semiconductor and dielectric films via selective surface wetting. <i>RSC Advances</i> , 2015, 5, 38125-38129.	3.6	40
12	Low-Temperature Growth of Ferroelectric Hf _{0.5} Zr _{0.5} O ₂ Thin Films Assisted by Deep Ultraviolet Light Irradiation. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1244-1251.	4.3	16
13	Large-area printed low-voltage organic thin film transistors via minimal-solution bar-coating. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15112-15118.	5.5	14
14	Influence of UV/Ozone Treatment on Threshold Voltage Modulation in Sol-Gel IGZO Thin-Film Transistors. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	12
15	In Situ Tracking of Low-Temperature VO ₂ Crystallization via Photocombustion and Characterization of Phase-Transition Reliability on Large-Area Flexible Substrates. <i>Chemistry of Materials</i> , 2020, 32, 4013-4023.	6.7	9
16	Rapid and Reliable Formation of Highly Densified Bilayer Oxide Dielectrics on Silicon Substrates via DUV Photoactivation for Low-Voltage Solution-Processed Oxide Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2820-2828.	8.0	8
17	Solution-processed metal oxide dielectric films: Progress and outlook. <i>APL Materials</i> , 2021, 9, .	5.1	5
18	Transition Metal Dichalcogenides: Atomic Vacancy Control and Elemental Substitution in a Monolayer Molybdenum Disulfide for High Performance Optoelectronic Device Arrays (<i>Adv. Funct. Mater.</i>)	14.9	50

#	ARTICLE	IF	CITATIONS
19	71-5: In-Depth Study on Large-Area Bar-Printing and Selective-Area Direct Patterning of Metal Oxide Dielectrics for High-Performance Transistor Application. Digest of Technical Papers SID International Symposium, 2016, 47, 966-969.	0.3	1