

# Jinwang Li

## List of Publications by Year in descending order

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39  
papers

1,113  
citations

430442

18  
h-index

395343

33  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1224  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-transconductance indium oxide transistors with a lanthanum-zirconium gate oxide characteristic of an electrolyte. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	5
2	Hybrid cluster precursors of the LaZrO insulator for transistors: lowering the processing temperature. <i>Scientific Reports</i> , 2018, 8, 5934.	1.6	8
3	Solid conversion behaviors of indium oxide gel consisting of hybrid clusters with thermal- and/or ultraviolet-treatments for low temperature processing. <i>Ceramics International</i> , 2018, 44, 7461-7472.	2.3	1
4	Development of a direct patterning method for functional oxide thin films using ultraviolet irradiation and hybrid-cluster gels and its application to thin-film transistor fabrication. <i>Applied Physics Express</i> , 2018, 11, 046501.	1.1	1
5	Nano-rheology printing of sub-0.2 $\mu\text{m}$ channel length oxide thin-film transistors. <i>Nano Futures</i> , 2018, 2, 035006.	1.0	4
6	Origin of the thermal plasticity property of zirconium oxide gels for use in direct thermal nanoimprinting. <i>Ceramics International</i> , 2018, 44, 17602-17611.	2.3	2
7	Hybrid Cluster Precursors of the LaZrO Insulator for Transistors: Properties of High-Temperature-Processed Films and Structures of Solutions, Gels and Solids. <i>Scientific Reports</i> , 2016, 6, 29682.	1.6	11
8	Rheology printing of an ultra-fine conductive Ru $\text{--}$ La $\text{--}$ O line. <i>Ceramics International</i> , 2016, 42, 7730-7741.	2.3	11
9	Solution processing of highly conductive ruthenium and ruthenium oxide thin films from ruthenium $\text{--}$ amine complexes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4490-4499.	2.7	16
10	Highly conductive ruthenium oxide thin films by a low-temperature solution process and green laser annealing. <i>Materials Letters</i> , 2015, 152, 121-124.	1.3	18
11	P $\text{--}$ 17: Development of Amorphous Oxide Thin Film Transistors Fabricated by a Total Solution Process for Display Application. <i>Digest of Technical Papers SID International Symposium</i> , 2014, 45, 1005-1008.	0.1	1
12	Rheology printing for metal-oxide patterns and devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 40-49.	2.7	47
13	High-Performance Solution-Processed ZrInZnO Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 320-326.	1.6	60
14	Low-Temperature All-Solution-Derived Amorphous Oxide Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2013, 34, 1536-1538.	2.2	12
15	Highly conductive p-type amorphous oxides from low-temperature solution processing. <i>Applied Physics Letters</i> , 2012, 101, 132104.	1.5	20
16	P-type conductive amorphous oxides of transition metals from solution processing. <i>Applied Physics Letters</i> , 2012, 101, 052102.	1.5	9
17	Low temperature ammonothermal synthesis of europium-doped SrAlSi $\text{--}$ 3 for a nitride red phosphor. <i>Journal of the Ceramic Society of Japan</i> , 2012, 120, 500-502.	0.5	25
18	Crystallization of lead zirconate titanate without passing through pyrochlore by new solution process. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1667-1680.	2.8	7

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19	Deposition of platinum patterns by a liquid process. <i>Chemical Communications</i> , 2011, 47, 9992.	2.2	5
20	Low-temperature Ammonothermal Synthesis of LaTaON <sub>2</sub> . <i>Chemistry Letters</i> , 2011, 40, 1101-1102.	0.7	23
21	A low-temperature crystallization path for device-quality ferroelectric films. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	33
22	Optimization of Pt and PZT Films for Ferroelectric-Gate Thin Film Transistors. <i>Ferroelectrics</i> , 2010, 405, 281-291.	0.3	12
23	High-Pressure Synthesis of Tantalum Nitride Having Orthorhombic U <sub>2</sub> S <sub>3</sub> Structure. <i>Advanced Functional Materials</i> , 2009, 19, 2282-2288.	7.8	99
24	Synthesis of Eu-Doped CaAlSiN <sub>3</sub> from Ammonometallates: Effects of Sodium Content and Pressure. <i>Journal of the American Ceramic Society</i> , 2009, 92, 344-349.	1.9	26
25	Tantalum doped 0.94Bi0.5Na0.5TiO <sub>3</sub> –0.06BaTiO <sub>3</sub> piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2008, 28, 871-877.	2.8	139
26	Synthesis of a Multinary Nitride, Eu-Doped CaAlSiN <sub>3</sub> , from Alloy at Low Temperatures. <i>Chemistry of Materials</i> , 2008, 20, 2095-2105.	3.2	121
27	Low-Temperature Crystallization of Eu-Doped Red-Emitting CaAlSiN <sub>3</sub> from Alloy-Derived Ammonometallates. <i>Chemistry of Materials</i> , 2007, 19, 3592-3594.	3.2	105
28	High-Pressure Multianvil Synthesis and Structure Refinement of Oxygen-Bearing Cubic Zirconium(IV) Nitride. <i>Advanced Materials</i> , 2007, 19, 1869-1873.	11.1	24
29	Carbothermal Reaction of Silica–Phenol Resin Hybrid Gels to Produce Silicon Nitride/Silicon Carbide Nanocomposite Powders. <i>Journal of the American Ceramic Society</i> , 2007, 90, 3786-3792.	1.9	11
30	Mechanism and Kinetics of Aluminum Nitride Powder Degradation in Moist Air. <i>Journal of the American Ceramic Society</i> , 2006, 89, 937-943.	1.9	51
31	Diffuse Reflectance Infrared Fourier Transform Spectroscopy of Commercial AlN Powders in Vacuum up to 700°C. <i>Journal of the American Ceramic Society</i> , 2006, 89, 2537-2541.	1.9	6
32	A facile high-yield solvothermal route to tin phosphide Sn <sub>4</sub> P <sub>3</sub> . <i>Journal of Solid State Chemistry</i> , 2006, 179, 3756-3762.	1.4	60
33	Surface hydration states of commercial high purity $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> powders evaluated by temperature programmed desorption mass spectrometry and diffuse reflectance infrared Fourier transform spectroscopy. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 123-128.	2.8	22
34	Synthesis of Nanocrystalline Zr <sub>3</sub> N <sub>4</sub> and Hf <sub>3</sub> N <sub>4</sub> Powders from Metal Dialkylamides.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
35	Synthesis of Nanocrystalline Zr <sub>3</sub> N <sub>4</sub> and Hf <sub>3</sub> N <sub>4</sub> Powders from Metal Dialkylamides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 1449-1455.	0.6	34
36	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 1377-1381.	1.7	6

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37	Synthesis of SiC precursors by a two-step sol-gel process and their conversion to SiC powders. Journal of the European Ceramic Society, 2000, 20, 1853-1857.	2.8	52
38	Kinetics of the reaction between silicon nitride and carbon. Journal of Materials Science Letters, 2000, 19, 1767-1768.	0.5	2
39	Synthesis of Silicon Nitride/Silicon Carbide Nanocomposite Powders through Partial Reduction of Silicon Nitride by Pyrolyzed Carbon. Journal of the American Ceramic Society, 1999, 82, 2548-2550.	1.9	24