Jinwang Li

List of Publications by Year
in descending order

39	1,113	430874	395702
papers	citations	18 h-index	33 g-index

42	42	42	1224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-transconductance indium oxide transistors with a lanthanum-zirconium gate oxide characteristic of an electrolyte. Journal of Applied Physics, 2020, 127, .	2.5	5
2	Hybrid cluster precursors of the LaZrO insulator for transistors: lowering the processing temperature. Scientific Reports, 2018, 8, 5934.	3.3	8
3	Solid conversion behaviors of indium oxide gel consisting of hybrid clusters with thermal- and/or ultraviolet-treatments for low temperature processing. Ceramics International, 2018, 44, 7461-7472.	4.8	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. Applied Physics Express, 2018, 11, 046501.	2.4	1
5	Nano-rheology printing of sub-0.2 Î¼m channel length oxide thin-film transistors. Nano Futures, 2018, 2, 035006.	2.2	4
6	Origin of the thermal plasticity property of zirconium oxide gels for use in direct thermal nanoimprinting. Ceramics International, 2018, 44, 17602-17611.	4.8	2
7	Hybrid Cluster Precursors of the LaZrO Insulator for Transistors: Properties of High-Temperature-Processed Films and Structures of Solutions, Gels and Solids. Scientific Reports, 2016, 6, 29682.	3.3	11
8	Rheology printing of an ultra-fine conductive Ruâ€“Laâ€“O line. Ceramics International, 2016, 42, 7730-7741.	4.8	11
9	Solution processing of highly conductive ruthenium and ruthenium oxide thin films from rutheniumâ€“amine complexes. Journal of Materials Chemistry C, 2015, 3, 4490-4499.	5.5	16
10	Highly conductive ruthenium oxide thin films by a low-temperature solution process and green laser annealing. Materials Letters, 2015, 152, 121-124.	2.6	18
11	Pâ€17: Development of Amorphous Oxide Thin Film Transistors Fabricated by a Total Solution Process for Display Application. Digest of Technical Papers SID International Symposium, 2014, 45, 1005-1008.	0.3	1
12	Rheology printing for metal-oxide patterns and devices. Journal of Materials Chemistry C, 2014, 2, 40-49.	5.5	47
13	High-Performance Solution-Processed ZrInZnO Thin-Film Transistors. IEEE Transactions on Electron Devices, 2013, 60, 320-326.	3.0	60
14	Low-Temperature All-Solution-Derived Amorphous Oxide Thin-Film Transistors. IEEE Electron Device Letters, 2013, 34, 1536-1538.	3.9	12
15	Highly conductive p-type amorphous oxides from low-temperature solution processing. Applied Physics Letters, 2012, 101, 132104.	3.3	20
16	P-type conductive amorphous oxides of transition metals from solution processing. Applied Physics Letters, 2012, 101, 052102.	3.3	9
17	Low temperature ammonothermal synthesis of europium-doped SrAlSiN₃ for a nitride red phosphor. Journal of the Ceramic Society of Japan, 2012, 120, 500-502.	1.1	25
18	Crystallization of lead zirconate titanate without passing through pyrochlore by new solution process. Journal of the European Ceramic Society, 2012, 32, 1667-1680.	5.7	7

#	Article	IF	Citations
19	Deposition of platinum patterns by a liquid process. Chemical Communications, 2011, 47, 9992.	4.1	5
20	Low-temperature Ammonothermal Synthesis of LaTaON2. Chemistry Letters, 2011, 40, 1101-1102.	1.3	23
21	A low-temperature crystallization path for device-quality ferroelectric films. Applied Physics Letters, 2010, 97, .	3.3	33
22	Optimization of Pt and PZT Films for Ferroelectric-Gate Thin Film Transistors. Ferroelectrics, 2010, 405, 281-291.	0.6	12
23	Highâ€Pressure Synthesis of Tantalum Nitride Having Orthorhombic U₂S₃ Structure. Advanced Functional Materials, 2009, 19, 2282-2288.	14.9	99
24	Synthesis of Euâ€Doped CaAlSiN₃ from Ammonometallates: Effects of Sodium Content and Pressure. Journal of the American Ceramic Society, 2009, 92, 344-349.	3.8	26
25	Tantalum doped 0.94Bi0.5Na0.5TiO3â€“0.06BaTiO3 piezoelectric ceramics. Journal of the European Ceramic Society, 2008, 28, 871-877.	5.7	139
26	Synthesis of a Multinary Nitride, Eu-Doped CaAlSiN₃, from Alloy at Low Temperatures. Chemistry of Materials, 2008, 20, 2095-2105.	6.7	121
27	Low-Temperature Crystallization of Eu-Doped Red-Emitting CaAlSiN3from Alloy-Derived Ammonometallates. Chemistry of Materials, 2007, 19, 3592-3594.	6.7	105
28	High-Pressure Multianvil Synthesis and Structure Refinement of Oxygen-Bearing Cubic Zirconium(IV) Nitride. Advanced Materials, 2007, 19, 1869-1873.	21.0	24
29	Carbothermal Reaction of Silicaâ€“Phenol Resin Hybrid Gels to Produce Silicon Nitride/Silicon Carbide Nanocomposite Powders. Journal of the American Ceramic Society, 2007, 90, 3786-3792.	3.8	11
30	Mechanism and Kinetics of Aluminum Nitride Powder Degradation in Moist Air. Journal of the American Ceramic Society, 2006, 89, 937-943.	3.8	51
31	Diffuse Reflectance Infrared Fourier Transform Spectroscopy of Commercial AlN Powders in Vacuum up to 700oC. Journal of the American Ceramic Society, 2006, 89, 2537-2541.	3.8	6
32	A facile high-yield solvothermal route to tin phosphide Sn4P3. Journal of Solid State Chemistry, 2006, 179, 3756-3762.	2.9	60
33	Surface hydration states of commercial high purity Î±-Al2O3powders evaluated by temperature programmed desorption mass spectrometry and diffuse reflectance infrared Fourier transform spectroscopy. Science and Technology of Advanced Materials, 2005, 6, 123-128.	6.1	22
34	Synthesis of Nanocrystalline Zr3N4 and Hf3N4 Powders from Metal Dialkylamides.. ChemInform, 2005, 36, no.	0.0	0
35	Synthesis of Nanocrystalline Zr3N4 and Hf3N4 Powders from Metal Dialkylamides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 1449-1455.	1.2	34
36	Title is missing!. Journal of Materials Science, 2001, 36, 1377-1381.	3.7	6

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37	Synthesis of SiC precursors by a two-step solâ€“gel process and their conversion to SiC powders. Journal of the European Ceramic Society, 2000, 20, 1853-1857.	5.7	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.	3.8	24