

Jian Liu

List of Publications by Year in descending order

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papers

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33
docs citations

33
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of LSM-YSZ Composite Cathode Performance Degradation with a Multistep Charge Transfer Model. Journal of the Electrochemical Society, 2019, 166, F448-F457.	2.9	8
2	Ionic liquid compatibility in polyethylene oxide/siloxane ion gel membranes. Journal of Membrane Science, 2018, 545, 292-300.	8.2	42
3	Combined Experimental and Numerical Analysis of Surface-Modified Solid Oxide Fuel Cell Cathodes. ECS Transactions, 2018, 85, 1289-1305.	0.5	4
4	An efficient approach for prediction of Warburg-type resistance under working currents. International Journal of Hydrogen Energy, 2018, 43, 15445-15456.	7.1	20
5	Modeling of the oxygen reduction reaction for dense LSM thin films. Physical Chemistry Chemical Physics, 2017, 19, 30464-30472.	2.8	13
6	Counter Electrodes for Electrochemical Evaluation of LSM Electrodes under Polarization. ECS Transactions, 2017, 78, 677-688.	0.5	2
7	Chemical Analysis of Activation Process of LSM Thin Film Electrode. ECS Transactions, 2017, 78, 701-708.	0.5	3
8	Multi-Physics Simulation of SOFC Button Cell with Multi-Step Charge Transfer Model in Composite LSM/YSZ Cathode. ECS Transactions, 2017, 78, 2699-2709.	0.5	12
9	The Electrochemical Performance of LSM with A-site Non-Stoichiometry under Cathodic Polarization. ECS Transactions, 2017, 78, 689-699.	0.5	7
10	Long Term Performance Stability Tests of Ba-Fe-O Infiltrated LSM/YSZ Solid Oxide Fuel Cells under High Steam and High Current. ECS Transactions, 2017, 78, 1003-1010.	0.5	5
11	Microwave Dielectric Properties of Mn-doped (Ba,Sr)TiO ₃ //Ba(Zr,Ti)O ₃ Multilayered Thin Films: Optimization of Designed Structure. Integrated Ferroelectrics, 2014, 150, 116-122.	0.7	6
12	Microwave Dielectric Properties of Epitaxial Mn-doped Ba(Zr,Ti)O ₃ Thin Films on LaAlO ₃ Substrates. Ferroelectrics, Letters Section, 2013, 40, 65-69.	1.0	2
13	Ferroelectric BaTiO ₃ /SrTiO ₃ multilayered thin films for room-temperature tunable microwave elements. Nanoscale Research Letters, 2013, 8, 338.	5.7	19
14	Magnetic and electrical transport properties of LaBaCo ₂ O _{5.5} + δ thin films directly integrated on Si (001). Materials Letters, 2013, 109, 143-145.	2.6	1
15	Surface modification of nanosheet oxide photocatalysts. Applied Surface Science, 2013, 268, 410-415.	6.1	7
16	Superfast oxygen exchange kinetics on highly epitaxial LaBaCo ₂ O _{5.5} + δ thin films for intermediate temperature solid oxide fuel cells. APL Materials, 2013, 1, .	5.1	25
17	Enhanced dielectric properties of (Ba,Sr)TiO ₃ //Ba(Zr,Ti)O ₃ heterostructures with optimized structure design. CrystEngComm, 2013, 15, 6641.	2.6	13
18	Enhanced photocatalytic activity of TiO ₂ +niobate nanosheet composites. Journal of Materials Research, 2013, 28, 424-430.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Thickness effects on the magnetic and electrical transport properties of highly epitaxial LaBaCo ₂ O _{5.5} + δ thin films on MgO substrates. Applied Physics Letters, 2012, 101, .	3.3	31
20	Giant Magnetoresistance and Anomalous Magnetic Properties of Highly Epitaxial Ferromagnetic LaBaCo ₂ O _{5.5} + δ Thin Films on (001) MgO. ACS Applied Materials & Interfaces, 2012, 4, 5524-5528.	8.0	41
21	Interface Engineered BaTiO ₃ /SrTiO ₃ Heterostructures with Optimized High-Frequency Dielectric Properties. ACS Applied Materials & Interfaces, 2012, 4, 5761-5765.	8.0	57
22	Ultrafast oxygen exchange kinetics on highly epitaxial PrBaCo ₂ O ₅ + δ thin films. Applied Physics Letters, 2012, 100, 193903.	3.3	34
23	Self-patterned Nano Structures in Structurally Gradient Epitaxial La _{0.5} Ba _{0.5} CoO ₃ Films. Thin Solid Films, 2011, 519, 4371-4376.	1.8	14
24	Interface Engineered Ferroelectric BaTiO ₃ /SrTiO ₃ Heterostructures with Anomalous Clamped Polarization on Si (100). Integrated Ferroelectrics, 2011, 131, 89-94.	0.7	4
25	PO 2 dependant resistance switch effect in highly epitaxial (LaBa)Co ₂ O ₅ + δ thin films. Applied Physics Letters, 2010, 97, .	3.3	30
26	Epitaxial Nature and Transport Properties in (LaBa)Co ₂ O ₅ + δ Thin Films. Chemistry of Materials, 2010, 22, 799-802.	6.7	50
27	Microwave Dielectric Properties with Optimized Mn-Doped Ba _{0.6} Sr _{0.4} TiO ₃ Highly Epitaxial Thin Films. Crystal Growth and Design, 2010, 10, 4221-4223.	3.0	28
28	Two-Dimensional Modulated Interfacial Structures of Highly Epitaxial Ferromagnetic (La,Ca)MnO ₃ and Ferroelectric (Pb,Sr)TiO ₃ Thin Films on (001) MgO. Journal of Nano Research, 2008, 3, 59-66.	0.8	8
29	Orientation Preferred Structures in BaTiO ₃ Thin Films on Ni Substrates. Journal of Nano Research, 2008, 1, 59-63.	0.8	16
30	Ferroelectric thin-film active sensors for structural health monitoring. , 2007, 6529, 201.		3
31	Fabrication of tubular ZnO by vesicle“template fusion. Materials Letters, 2007, 61, 2195-2199.	2.6	4
32	Chemical growth of ZnO nanorod arrays on textured nanoparticle nanoribbons and its second-harmonic generation performance. Journal of Solid State Chemistry, 2006, 179, 1984-1989.	2.9	13
33	From Muticomponent Precursor to Nanoparticle Nanoribbons of ZnO. Journal of Physical Chemistry B, 2005, 109, 1113-1117.	2.6	109