Dong Young Jang

List of Publications by Year
in descending order

26 papers	777 citations	516215 16 h-index	610482 24 g-index
26 all docs	26 docs citations	26 times ranked	901 citing authors

#	Article	IF	Citations
1	Direct Measurement of Ion Diffusivity in Oxide Thin Film by Using Isotope Tracers and Secondary Ion Mass Spectrometry. International Journal of Precision Engineering and Manufacturing - Green Technology, 2020, 7, 405-410.	2.7	0
2	La0.6Sr0.4Co0.2Fe0.8O3-Î´ cathode surface-treated with La2NiO4+Î´ by aerosol-assisted chemical vapor deposition for high performance solid oxide fuel cells. Ceramics International, 2019, 45, 12366-12371.	2.3	10
3	High performance low-temperature solid oxide fuel cells with atomic layer deposited-yttria stabilized zirconia embedded thin film electrolyte. Journal of Materials Chemistry A, 2018, 6, 7401-7408.	5.2	38
4	Nanoporous silver cathode surface-treated by aerosol-assisted chemical vapor deposition of gadolinia-doped ceria for intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2018, 402, 246-251.	4.0	9
5	Surface Tuning of Solid Oxide Fuel Cell Cathode by Atomic Layer Deposition. Advanced Energy Materials, 2018, 8, 1802506.	10.2	48
6	Compositional optimization of gadolinia-doped ceria treatment for enhanced oxygen reduction kinetics in low-temperature solid oxide fuel cells. Thin Solid Films, 2017, 624, 95-100.	0.8	6
7	Demonstrating the potential of yttrium-doped barium zirconate electrolyte for high-performance fuel cells. Nature Communications, 2017, 8, 14553.	5.8	218
8	High Performance Anode-Supported Solid Oxide Fuel Cells with Thin Film Yttria-Stabilized Zirconia Membrane Prepared by Aerosol-Assisted Chemical Vapor Deposition. Journal of the Electrochemical Society, 2017, 164, F484-F490.	1.3	19
9	Fabrication of Lanthanum Strontium Cobalt Ferriteâ€“Gadolinium-Doped Ceria Composite Cathodes Using a Low-Price Inkjet Printer. ACS Applied Materials & Interfaces, 2017, 9, 39347-39356.	4.0	25
10	Highâ€Performance Silver Cathode Surface Treated with Scandiaâ€Stabilized Zirconia Nanoparticles for Intermediate Temperature Solid Oxide Fuel Cells. Advanced Energy Materials, 2017, 7, 1601956.	10.2	32
11	High-performance thin-film protonic ceramic fuel cells fabricated on anode supports with a non-proton-conducting ceramic matrix. Journal of Materials Chemistry A, 2016, 4, 6395-6403.	5.2	52
12	High-Performance Protonic Ceramic Fuel Cells with Thin-Film Yttrium-Doped Barium Cerateâ€“Zirconate Electrolytes on Compositionally Gradient Anodes. ACS Applied Materials & Interfaces, 2016, 8, 9097-9103.	4.0	43
13	On the reduced electrical conductivity of radio-frequency sputtered doped ceria thin film by elevating the substrate temperature. Current Applied Physics, 2016, 16, 324-328.	1.1	4
14	Nano-granulization of gadolinia-doped ceria electrolyte surface by aerosol-assisted chemical vapor deposition for low-temperature solid oxide fuel cells. Journal of Power Sources, 2016, 301, 72-77.	4.0	21
15	Atomic layer deposition of ruthenium surface-coating on porous platinum catalysts for high-performance direct ethanol solid oxide fuel cells. Journal of Power Sources, 2015, 291, 239-245.	4.0	36
16	Ionic properties of ultrathin yttria-stabilized zirconia thin films fabricated by atomic layer deposition with water, oxygen, and ozone. Thin Solid Films, 2015, 589, 441-445.	0.8	14
17	Performance Degradation of Lanthanum Strontium Cobaltite after Surface Modification. Journal of the Electrochemical Society, 2015, 162, F622-F626.	1.3	27
18	Fabrication of ion conductive tin oxide-phosphate amorphous thin films by atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	0.9	4

#	Article	IF	Citations
19	Nanoporous silver cathodes surface-treated by atomic layer deposition of Y:ZrO2 for high-performance low-temperature solid oxide fuel cells. Journal of Power Sources, 2015, 295, 175-181.	4.0	48
20	Low-temperature performance of yttria-stabilized zirconia prepared by atomic layer deposition. Journal of Power Sources, 2015, 274, 611-618.	4.0	35
21	Fabrication of NiO-Y:BaZrO₃ Composite Anode for Thin Film-Protonic Ceramic Fuel Cells using Tape-Casting. Journal of the Korean Ceramic Society, 2015, 52, 320-324.	1.1	4
22	Influence of background oxygen pressure on film properties of pulsed laser deposited Y:BaZrO3. Thin Solid Films, 2014, 552, 24-31.	0.8	20
23	Micro ceramic fuel cells with multilayered yttrium-doped barium cerate and zirconate thin film electrolytes. Journal of Power Sources, 2014, 248, 1163-1169.	4.0	33
24	Evaluation of porous platinum, nickel, and lanthanum strontium cobaltite as electrode materials for low-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 17828-17835.	3.8	23
25	Design and fabrication of a scanning electron microscope (SEM) with an electrostatic column for process embedment. Journal of the Korean Physical Society, 2013, 63, 1287-1290.	0.3	0
26	Design and fabrication of a scanning electron microscope using a finite element analysis for electron optical system. Journal of Mechanical Science and Technology, 2008, 22, 1734-1746.	0.7	8