

# Yonghyun Lim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12196761/publications.pdf>

Version: 2024-02-01

23  
papers

240  
citations

1040056

9  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally-Induced Dopant Segregation Effects on the Space Charge Layer and Ionic Conductivity of Nanocrystalline Gadolinia-Doped Ceria. <i>Journal of the Electrochemical Society</i> , 2016, 163, F919-F926.	2.9	25
2	Yttria-stabilized zirconia thin films with restrained columnar grains for oxygen ion conducting electrolytes. <i>Ceramics International</i> , 2016, 42, 16703-16709.	4.8	23
3	Low-temperature, high-performance thin-film solid oxide fuel cells with tailored nano-column structures of a sputtered Ni anode. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21668-21679.	10.3	20
4	Influence of deposition temperature on the microstructure of thin-film electrolyte for SOFCs with a nanoporous AAO support structure. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 10199-10207.	7.1	19
5	Single-chamber fabrication of high-performance low-temperature solid oxide fuel cells with grain-controlled functional layers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2029-2036.	10.3	18
6	Co-sputtered nanocomposite nickel cermet anode for high-performance low-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2019, 412, 160-169.	7.8	17
7	Rapid fabrication of lanthanum strontium cobalt ferrite (LSCF) with suppression of LSCF/YSZ chemical side reaction via flash light sintering for SOFCs. <i>Nano Energy</i> , 2021, 90, 106524.	16.0	17
8	Microstructure-controlled deposition of yttria-stabilized zirconia electrolyte for low temperature solid oxide fuel cell performance stability enhancement. <i>Thin Solid Films</i> , 2016, 618, 207-212.	1.8	11
9	A homogeneous grain-controlled ScSZ functional layer for high performance low-temperature solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16506-16514.	10.3	11
10	Rapid, cool sintering of wet processed yttria-stabilized zirconia ceramic electrolyte thin films. <i>Scientific Reports</i> , 2017, 7, 12458.	3.3	9
11	Enhanced Thermal Stability of a Gadolinia-Doped Ceria Capped Metal Electrode for Durable Low-Temperature Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1301-F1306.	2.9	8
12	ESTIMATING FATIGUE LEVEL OF FEMORAL AND GASTROCEMIUS MUSCLES BASED ON SURFACE ELECTROMYOGRAPHY IN TIME AND FREQUENCY DOMAIN. <i>Journal of Mechanics in Medicine and Biology</i> , 2018, 18, 1850042.	0.7	8
13	Grain-Controlled Gadolinia-Doped Ceria (GDC) Functional Layer for Interface Reaction Enhanced Low-Temperature Solid Oxide Fuel Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41338-41346.	8.0	8
14	Atomic layer deposition of GDC cathodic functional thin films for oxide ion incorporation enhancement. <i>Journal of the American Ceramic Society</i> , 2021, 104, 86-95.	3.8	8
15	Rapid Fabrication of Chemical Solution-Deposited Lanthanum Nickelate Thin Films via Intense Pulsed-Light Process. <i>Coatings</i> , 2019, 9, 372.	2.6	7
16	Rapid surface kinetics enhancement via flash light sintering for low-temperature solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2019, 778, 337-344.	5.5	7
17	Laminated Structure of Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> for Enhancing Performance of Reverse Electrowetting-On-Dielectric Energy Harvesting. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 103-111.	4.9	7
18	Sub-second sintering process for La <sub>6</sub> Sr <sub>4</sub> Co <sub>2</sub> Fe <sub>8</sub> O <sub>3-<math>\delta</math></sub> -gadolinium doped ceria composite cathode via a flash light irradiation method for intermediate temperature-solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162683.	5.5	5

#	ARTICLE	IF	CITATIONS
19	Ultra-fast fabrication of lanthanum strontium manganese thin films using intense pulsed light irradiation. <i>Ceramics International</i> , 2020, 46, 1526-1531.	4.8	4
20	Thermally stable current-collecting silver grid coated with ceramic-capping layer for low-temperature solid oxide fuel cells. <i>Ceramics International</i> , 2018, 44, 22212-22218.	4.8	3
21	Flash light sintered SDC cathodic interlayer for enhanced oxygen reduction reaction in LT-SOFCs. <i>Journal of Alloys and Compounds</i> , 2021, 861, 158397.	5.5	3
22	High-Performance Ni/Pt Composite Catalytic Anode with Ultra-Low Pt Loading for Low-Temperature Solid Oxide Fuel Cells. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020, 7, 141-150.	4.9	2
23	Flash Light Sintered Lanthanum Strontium Cobalt Ferrite(LSCF) Electrode for High Performance IT-SOFCs. <i>Ceramist</i> , 2021, 24, 399-410.	0.1	0