

Sri Ayu Anggraini

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5933702/sri-ayu-anggraini-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

499
citations

12
h-index

22
g-index

31
ext. papers

591
ext. citations

5.1
avg, IF

3.83
L-index

#	Paper	IF	Citations
30	A review of mixed-potential type zirconia-based gas sensors. <i>Ionics</i> , 2014 , 20, 901-925	2.7	204
29	Stabilized zirconia-based planar sensor using coupled oxide(+Au) electrodes for highly selective CO detection. <i>Sensors and Actuators B: Chemical</i> , 2011 , 160, 1273-1281	8.5	30
28	Stabilized zirconia-based sensor utilizing SnO ₂ -based sensing electrode with an integrated Cr ₂ O ₃ catalyst layer for sensitive and selective detection of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 305-312	6.7	27
27	First-Principles Study of Piezoelectric Properties and Bonding Analysis in (Mg, X, Al)N Solid Solutions (X = Nb, Ti, Zr, Hf). <i>ACS Omega</i> , 2019 , 4, 15081-15086	3.9	19
26	Potentiometric YSZ-based oxygen sensor using BaFeO ₃ sensing-electrode. <i>Electrochemistry Communications</i> , 2014 , 48, 134-137	5.1	18
25	Selective hydrogen detection at high temperature by using yttria-stabilized zirconia-based sensor with coupled metal-oxide-based sensing electrodes. <i>Electrochimica Acta</i> , 2012 , 76, 152-158	6.7	18
24	Insight into the aging effect on enhancement of hydrogen-sensing characteristics of a zirconia-based sensor utilizing a Zn-Ta-O-based sensing electrode. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12099-106	9.5	18
23	CO sensing characteristics of YSZ-based planar sensor using Rh-sensing electrode composed of tetrahedral sub-micron particles. <i>Electrochemistry Communications</i> , 2011 , 13, 444-446	5.1	17
22	Sensing characteristics of aged zirconia-based hydrogen sensor utilizing Zn _{1-x} Al _x -based oxide sensing-electrode. <i>Electrochemistry Communications</i> , 2013 , 31, 133-136	5.1	16
21	Impedancemetric YSZ-based oxygen sensor using BaFeO ₃ sensing-electrode. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 279-282	8.5	15
20	YSZ-based sensor using Cr-Fe-based spinel-oxide electrodes for selective detection of CO. <i>Analytica Chimica Acta</i> , 2017 , 982, 176-184	6.6	15
19	Zn _{1-x} Al _x -based oxide as a hydrogen sensitive electrode material for zirconia-based electrochemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 187, 58-64	8.5	13
18	Mg and Ti codoping effect on the piezoelectric response of aluminum nitride thin films. <i>Scripta Materialia</i> , 2019 , 159, 9-12	5.6	12
17	Effect of Sintering Temperature on Hydrogen Sensing Characteristics of Zirconia Sensor Utilizing Zn-Ta-O-Based Sensing Electrode. <i>Journal of the Electrochemical Society</i> , 2013 , 160, B164-B169	3.9	10
16	Tuning H ₂ Sensing Performance of Zirconia-based H ₂ Sensor using ZrSiO ₄ (+Au) Sensing-electrode. <i>Electrochimica Acta</i> , 2015 , 171, 7-12	6.7	9
15	Effect of Mg addition on the physical properties of aluminum nitride. <i>Materials Letters</i> , 2018 , 219, 247-250	3.9	9
14	Effects of different divalent cations in mTi-based codopants (m = Mg or Zn) on the piezoelectric properties of AlN thin films. <i>Ceramics International</i> , 2020 , 46, 4015-4019	5.1	7

13	First-principles calculations of spontaneous polarization in ScAlN. <i>Journal of Applied Physics</i> , 2021 , 130, 024104	2.5	7
12	Polarity Inversion of Aluminum Nitride Thin Films by using Si and MgSi Dopants. <i>Scientific Reports</i> , 2020 , 10, 4369	4.9	6
11	Selective NO ₂ detection using YSZ-based amperometric sensor attached with NiFe ₂ O ₄ (+ Fe ₂ O ₃) sensing electrode. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 30-35	8.5	6
10	Sensing characteristics of YSZ-based oxygen sensors attached with Ba _x Sr _{1-x} FeO ₃ sensing-electrode. <i>Solid State Ionics</i> , 2016 , 285, 234-238	3.3	5
9	Adhesive bonding of alumina air-abraded Ag-Pd-Cu-Au alloy with 10-methacryloyloxydecyl dihydrogen phosphate. <i>Dental Materials Journal</i> , 2020 , 39, 262-271	2.5	3
8	Preparation of YbAlN piezoelectric thin film by sputtering and influence of Yb concentration on properties and crystal structure. <i>Ceramics International</i> , 2021 , 47, 16029-16036	5.1	3
7	Significant Enhancement of Piezoelectric Response in AlN by Yb Addition. <i>Materials</i> , 2021 , 14,	3.5	3
6	Selective CO Detection Using YSZ-based Sensor with a Combination of CuCrFeO ₄ and CoCrFeO ₄ Electrodes. <i>Procedia Chemistry</i> , 2016 , 20, 118-120		2
5	Potentiometric YSZ-Based Sensors Using Zn-Ta-O-Based Sensing Electrode for Selective H ₂ Detection. <i>ECS Transactions</i> , 2013 , 50, 179-187	1	2
4	Enhancement of piezoelectric property in MgTMAlN (TM = Cr, Mo, W): First-principles study. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 152, 109913	3.9	2
3	Improvement in Response/Recovery Characteristics of Mixed-Potential-Type Zirconia-Based CO Sensor Using ZnCr ₂ O ₄ Added with Au Particles-Sensing Electrode. <i>ECS Transactions</i> , 2016 , 75, 59-64	1	2
2	Acceleration of the aging process of YSZ-based H ₂ sensor using ZnTaO sensing-electrode. <i>Sensors and Actuators B: Chemical</i> , 2016 , 223, 738-742	8.5	1
1	Enhancement in piezoelectric responses of AlN thin films by co-addition of Mg and Ta. <i>Materials Chemistry and Physics</i> , 2021 , 276, 125394	4.4	