

# Sri Ayu Anggraini

## List of Publications by Year in Descending Order

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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	Enhancement in piezoelectric responses of AlN thin films by co-addition of Mg and Ta. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 276, 125394	4.4	
29	Enhancement of piezoelectric property in MgTMAlN (TM = Cr, Mo, W): First-principles study. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 152, 109913	3.9	2
28	Preparation of YbAlN piezoelectric thin film by sputtering and influence of Yb concentration on properties and crystal structure. <i>Ceramics International</i> , <b>2021</b> , 47, 16029-16036	5.1	3
27	First-principles calculations of spontaneous polarization in ScAlN. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 024104	2.5	7
26	Significant Enhancement of Piezoelectric Response in AlN by Yb Addition. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
25	Polarity Inversion of Aluminum Nitride Thin Films by using Si and MgSi Dopants. <i>Scientific Reports</i> , <b>2020</b> , 10, 4369	4.9	6
24	Adhesive bonding of alumina air-abraded Ag-Pd-Cu-Au alloy with 10-methacryloyloxydecyl dihydrogen phosphate. <i>Dental Materials Journal</i> , <b>2020</b> , 39, 262-271	2.5	3
23	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> , <b>2020</b> , 46, 4015-4019	5.1	7
22	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> , <b>2019</b> , 4, 15081-15086	3.9	19
21	Mg and Ti codoping effect on the piezoelectric response of aluminum nitride thin films. <i>Scripta Materialia</i> , <b>2019</b> , 159, 9-12	5.6	12
20	Effect of Mg addition on the physical properties of aluminum nitride. <i>Materials Letters</i> , <b>2018</b> , 219, 247-250	5.0	9
19	Selective NO <sub>2</sub> detection using YSZ-based amperometric sensor attached with NiFe <sub>2</sub> O <sub>4</sub> (+ Fe <sub>2</sub> O <sub>3</sub> ) sensing electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 30-35	8.5	6
18	Impedancemetric YSZ-based oxygen sensor using BaFeO <sub>3</sub> sensing-electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 279-282	8.5	15
17	YSZ-based sensor using Cr-Fe-based spinel-oxide electrodes for selective detection of CO. <i>Analytica Chimica Acta</i> , <b>2017</b> , 982, 176-184	6.6	15
16	Selective CO Detection Using YSZ-based Sensor with a Combination of CuCrFeO <sub>4</sub> and CoCrFeO <sub>4</sub> Electrodes. <i>Procedia Chemistry</i> , <b>2016</b> , 20, 118-120		2
15	Sensing characteristics of YSZ-based oxygen sensors attached with Ba <sub>x</sub> Sr <sub>1-x</sub> FeO <sub>3</sub> sensing-electrode. <i>Solid State Ionics</i> , <b>2016</b> , 285, 234-238	3.3	5
14	Acceleration of the aging process of YSZ-based H <sub>2</sub> sensor using ZnTaO <sub>4</sub> sensing-electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 223, 738-742	8.5	1

13	Improvement in Response/Recovery Characteristics of Mixed-Potential-Type Zirconia-Based CO Sensor Using ZnCr <sub>2</sub> O <sub>4</sub> Added with Au Particles-Sensing Electrode. <i>ECS Transactions</i> , <b>2016</b> , 75, 59-64	1	2
12	Tuning H <sub>2</sub> Sensing Performance of Zirconia-based Sensor using ZrSiO <sub>4</sub> (+Au) Sensing-electrode. <i>Electrochimica Acta</i> , <b>2015</b> , 171, 7-12	6.7	9
11	A review of mixed-potential type zirconia-based gas sensors. <i>Ionics</i> , <b>2014</b> , 20, 901-925	2.7	204
10	Potentiometric YSZ-based oxygen sensor using BaFeO <sub>3</sub> sensing-electrode. <i>Electrochemistry Communications</i> , <b>2014</b> , 48, 134-137	5.1	18
9	Sensing characteristics of aged zirconia-based hydrogen sensor utilizing Zn-Ta-based oxide sensing-electrode. <i>Electrochemistry Communications</i> , <b>2013</b> , 31, 133-136	5.1	16
8	Zn-Ta-based oxide as a hydrogen sensitive electrode material for zirconia-based electrochemical gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 187, 58-64	8.5	13
7	Stabilized zirconia-based sensor utilizing SnO <sub>2</sub> -based sensing electrode with an integrated Cr <sub>2</sub> O <sub>3</sub> catalyst layer for sensitive and selective detection of hydrogen. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 305-312	6.7	27
6	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 &amp; Interfaces</i> , <b>2013</b> , 5, 12099-106	9.5	18
5	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> , <b>2013</b> , 160, B164-B169	3.9	10
4	Potentiometric YSZ-Based Sensors Using Zn-Ta-O-Based Sensing Electrode for Selective H <sub>2</sub> Detection. <i>ECS Transactions</i> , <b>2013</b> , 50, 179-187	1	2
3	Selective hydrogen detection at high temperature by using yttria-stabilized zirconia-based sensor with coupled metal-oxide-based sensing electrodes. <i>Electrochimica Acta</i> , <b>2012</b> , 76, 152-158	6.7	18
2	Stabilized zirconia-based planar sensor using coupled oxide(+Au) electrodes for highly selective CO detection. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 160, 1273-1281	8.5	30
1	CO sensing characteristics of YSZ-based planar sensor using Rh-sensing electrode composed of tetrahedral sub-micron particles. <i>Electrochemistry Communications</i> , <b>2011</b> , 13, 444-446	5.1	17