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SCI Journals

Total: 3/5

1. Byeong Hyeon Lee, Doo-Yong Lee, **Ji Ye Lee**, Sungkyun Park, Sangsig Kim, Sang Yeol Lee
"Investigation on the improvement of stability of nitrogen doped amorphous SiInZnO thin-film transistors"
Solid State Electronics 2019
2. Byeong Hyeon Lee, Kyung-Sang Cho, Doo Yong Lee, Ahrum Sohn, **Ji Ye Lee**, Hyuck Choo, Sungkyun Park, Sang-Woo Kim, Sangsig Kim, Sang Yeol Lee
"Investigation on energy bandgap states of amorphous SiZnSnO thin films"
Scientific Reports 2019
3. **Ji Ye Lee**, Sang Yeol Lee
"Effect of Metal Capping on the Stability of Amorphous Si-Zn-Sn-O Thin Film Transistor by Suppressing Ambient Effect"
Journal of Nanoscience and Nanotechnology 2020
4. **Ji Ye Lee**, Sang Yeol Lee
"Investigation on Hump Mechanism in Amorphous SiZnSnO Thin-Film Transistor Depending on Si Concentration"
Phys. Status Solidi A 2020
5. MUHAMMAD NAQI, **Ji Ye Lee**, BYEONG HYEON LEE, SUNKOOK KIM, SANG YEOL LEE, HOCHEON YOO
"Exceptionally Linear and Highly Sensitive Photo-Induced Unipolar Inverter Device"
IEEE JEDS 2021

International Conferences

Total: 1/1

1. **Ji Ye Lee**, Sang Yeol Lee
"Investigation on Hump Characteristics in Transfer Curve of Amorphous Oxide Si-Zn-Sn-O due to the Difference of Work Function Depending on Si Concentration"
ICAE 2019, 07-0383 (2019.11.05-2019.11.08)

Domestic Conferences

Total: 5/6

1. **Ji Ye Lee**, Sang Yeol Lee
"Effect of oxygen partial pressure on the electrical property of a-SZTO thin film transistor"
KIEEME Annual Summer Conference 2018, SS-40 (2018.06.20-22)
2. **Ji Ye Lee**, Sang Yeol Lee
"Effect of metal capping layer on the performance of amorphous Si-Zn-Sn-O thin film transistor"
IC ME&D 2019, (2019.05.09-10)
3. **Ji Ye Lee**, Sang Yeol Lee
"Improvement of electrical characteristics of amorphous SiZnSnO thin film transistor using metal capping layer"
KIEEME Annual Summer Conference 2019, OB3-** (2019.06.19-21)
4. Sang Yeol Lee, **Ji Ye Lee**, Byeong Hyeon Lee
"Effect of metal to semiconductor contact property on the performance of amorphous oxide SiZnSnO semiconductor thin film transistor"
Materials Research Meeting 2019, (2019.10.10-14)
5. **Ji Ye Lee**, Sang Yeol Lee
"Observation of Hump Characteristics in Subthreshold Region of Transfer Curve in Amorphous Oxide Si-Zn-Sn-O Thin Film Transistor"
KIEEME Annual Summer Conference 2020, OA3-02 (2020.07.08-10)
6. **Ji Ye Lee**, Sang Yeol Lee
"Mobility Enhancement of Amorphous Oxide Thin Film Transistor with SiInZnO SiZnSnO Bi layered Channel Structure"
KIEEME Annual Autumn Conference 2020, OA1-03 (2020.11.05-06)

Technical Papers

Total: 0/0

Patents

Total: 1/1

1. 출원번호: 10-2020-0052086, 출원
"유기 반도체 가스 센서 및 이의 제조 방법"