

# Åenol Kaya

## List of Publications by Year in descending order

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papers

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30  
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docs citations

30  
times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency dependent electrical characteristics of BiFeO <sub>3</sub> MOS capacitors. Journal of Alloys and Compounds, 2014, 583, 476-480.	5.5	43
2	A Comprehensive Study on the Frequency-Dependent Electrical Characteristics of Sm <sub>2</sub> O <sub>3</sub> /Si MOS Capacitors. IEEE Transactions on Electron Devices, 2015, 62, 980-987.	3.0	40
3	Samarium oxide thin films deposited by reactive sputtering: Effects of sputtering power and substrate temperature on microstructure, morphology and electrical properties. Materials Science in Semiconductor Processing, 2015, 33, 42-48.	4.0	38
4	Modifications of structural, chemical, and electrical characteristics of Er <sub>2</sub> O <sub>3</sub> /Si interface under Co-60 gamma irradiation. Nuclear Instruments & Methods in Physics Research B, 2018, 418, 74-79.	1.4	38
5	Evaluation of Radiation Sensor Aspects of Er <sub>2</sub> O <sub>3</sub> MOS Capacitors under Zero Gate Bias. IEEE Transactions on Nuclear Science, 2016, 63, 1284-1293.	2.0	34
6	Effects of post deposition annealing, interface states and series resistance on electrical characteristics of HfO <sub>2</sub> MOS capacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 8277-8284.	2.2	33
7	Frequency dependent gamma-ray irradiation response of Sm <sub>2</sub> O <sub>3</sub> MOS capacitors. Nuclear Instruments & Methods in Physics Research B, 2015, 358, 188-193.	1.4	30
8	Effects of Substrate Temperature on the Microstructure and Morphology of CdZnTe Thin Films. Journal of Electronic Materials, 2014, 43, 4011-4017.	2.2	23
9	Influences of Co-60 gamma-ray irradiation on electrical characteristics of Al <sub>2</sub> O <sub>3</sub> MOS capacitors. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 425-431.	1.5	22
10	Effects of gamma-ray irradiation on interface states and series-resistance characteristics of BiFeO <sub>3</sub> MOS capacitors. Nuclear Instruments & Methods in Physics Research B, 2014, 319, 44-47.	1.4	20
11	A detailed study on the frequency-dependent electrical characteristics of Al/HfSiO <sub>4</sub> /p-Si MOS capacitors. Journal of Materials Science: Materials in Electronics, 2016, 27, 13154-13160.	2.2	20
12	Use of BiFeO <sub>3</sub> layer as a dielectric in MOS based radiation sensors fabricated on a Si substrate. Nuclear Instruments & Methods in Physics Research B, 2014, 319, 168-170.	1.4	18
13	Structural and electrical characterizations of BiFeO <sub>3</sub> capacitors deposited by sol-gel dip coating technique. Thin Solid Films, 2015, 590, 7-12.	1.8	18
14	A Detailed Study on Zero-Bias Irradiation Responses of MOS Capacitors. IEEE Transactions on Nuclear Science, 2016, 63, 1301-1305.	2.0	16
15	Characterization of interface defects in BiFeO <sub>3</sub> metal-oxide-semiconductor capacitors deposited by radio frequency magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2015, 26, 5987-5993.	2.2	15
16	Evolutions on surface chemistry, microstructure, morphology and electrical characteristics of SnO <sub>2</sub> /p-Si heterojunction under various annealing parameters. Journal of Alloys and Compounds, 2019, 778, 889-899.	5.5	14
17	The gamma irradiation responses of yttrium oxide capacitors and first assessment usage in radiation sensors. Sensors and Actuators A: Physical, 2017, 258, 44-48.	4.1	13
18	Co-60 gamma irradiation influences on physical, chemical and electrical characteristics of HfO <sub>2</sub> /Si thin films. Radiation Physics and Chemistry, 2018, 150, 64-70.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Co-60 gamma irradiation effects on electrical characteristics of HfO <sub>2</sub> MOSFETs and specification of basic radiation- induced degradation mechanism. Radiation Physics and Chemistry, 2018, 149, 7-13.	2.8	12
20	Impact of interfacial layer using ultra-thin SiO <sub>2</sub> on electrical and structural characteristics of Gd <sub>2</sub> O <sub>3</sub> MOS capacitor. Journal of Materials Science: Materials in Electronics, 2018, 29, 17473-17482.	2.2	12
21	Co-60 gamma radiation influences on the electrochemical, physical and electrical characteristics rare-earth dysprosium oxide (Dy <sub>2</sub> O <sub>3</sub> ). Radiation Physics and Chemistry, 2020, 171, 108684.	2.8	12
22	Effect of annealing temperature on structural, electrical, and UV sensing characteristics of n-ZnO/p-Si heterojunction photodiodes. Turkish Journal of Physics, 2019, 43, 252-263.	1.1	11
23	Co-60 gamma irradiation influences on device characteristics of n-SnO <sub>2</sub> /p-Si heterojunction diodes. Nuclear Instruments & Methods in Physics Research B, 2019, 445, 63-68.	1.4	11
24	Effects of interfacial layer on the electrical properties of n-ZnO/p-Si heterojunction diodes between 260 and 340ÅK. Journal of Materials Science: Materials in Electronics, 2019, 30, 12170-12179.	2.2	10
25	Yttrium oxide nanostructured thin films deposited by radio frequency sputtering: the annealing optimizations and correlations between structural, morphological, optical and electrical properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 13920-13927.	2.2	9
26	A detailed study on frequency dependent electrical characteristics of MOS capacitors with dysprosium oxide gate dielectrics. Semiconductor Science and Technology, 2020, 35, 025002.	2.0	9
27	Nanostructure, optical and electrical properties of p-NiO/n-Si heterojunction diodes. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	8
28	Effects of annealing temperature on electrical characteristics of sputtered Al <sub>2</sub> O <sub>3</sub> /p-Si (MOS) capacitors. Turkish Journal of Physics, 2018, 42, 470-477.	1.1	5
29	Fabrication and characterization of Si-PIN photodiodes. Turkish Journal of Physics, 2019, 43, 556-562.	1.1	5
30	Influences of platinum doping concentrations and operation temperatures on oxygen sensitivity of Pt/SnO <sub>2</sub> /Pt resistive gas sensors. Journal of Materials Science: Materials in Electronics, 2019, 30, 14813-14821.	2.2	3