

Kyung-Mun Kang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

272
citations

933447

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940533

16
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20
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docs citations

20
times ranked

423
citing authors

#	ARTICLE	IF	CITATIONS
1	Anion-controlled passivation effect of the atomic layer deposited ZnO films by F substitution to O-related defects on the electronic band structure for transparent contact layer of solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 403-409.	6.2	47
2	Non-laminated growth of chlorine-doped zinc oxide films by atomic layer deposition at low temperatures. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8336-8343.	5.5	22
3	Effect of Atomic Layer Deposition Temperature on the Growth Orientation, Morphology, and Electrical, Optical, and Band-Structural Properties of ZnO and Fluorine-Doped ZnO Thin Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 377-385.	3.1	22
4	Al/F codoping effect on the structural, electrical, and optical properties of ZnO films grown via atomic layer deposition. <i>Applied Surface Science</i> , 2021, 535, 147734.	6.1	21
5	The CO gas sensing properties of direct-patternable SnO ₂ films containing graphene or Ag nanoparticles. <i>New Journal of Chemistry</i> , 2015, 39, 2256-2260.	2.8	20
6	Study on properties of Ga/F-co-doped ZnO thin films prepared using atomic layer deposition. <i>Thin Solid Films</i> , 2018, 660, 913-919.	1.8	18
7	N-doped Al ₂ O ₃ thin films deposited by atomic layer deposition. <i>Thin Solid Films</i> , 2018, 660, 657-662.	1.8	17
8	Oxygen vacancy-passivated ZnO thin film formed by atomic layer deposition using H ₂ O ₂ . <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	16
9	Low temperature method to passivate oxygen vacancies in un-doped ZnO films using atomic layer deposition. <i>Thin Solid Films</i> , 2018, 660, 852-858.	1.8	15
10	Enhanced hole injection into indium-free organic red light-emitting diodes by fluorine-doping-induced texturing of a zinc oxide surface. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8344-8349.	5.5	12
11	Film thickness effect in c-axis oxygen vacancy-passivated ZnO prepared via atomic layer deposition by using H ₂ O ₂ . <i>Applied Surface Science</i> , 2020, 529, 147095.	6.1	12
12	The role of oxygen defects engineering via passivation of the Al ₂ O ₃ interfacial layer for the direct growth of a graphene-silicon Schottky junction solar cell. <i>Applied Materials Today</i> , 2022, 26, 101267.	4.3	11
13	Thickness-dependent growth orientation of F-doped ZnO films formed by atomic layer deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	2.1	10
14	Structural, electrical, and optical properties of Si-doped ZnO thin films prepared via supercycled atomic layer deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115401.	3.5	9
15	Structural, Electrical, and Optical Properties of Photochemical Metal-Organic-Deposited ZnO Thin Films Incorporated with Ag Nanoparticles and Graphene. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, N55-N59.	1.8	6
16	Directly patternable SnO ₂ thin films incorporating Pt nanoparticles. <i>Materials Research Bulletin</i> , 2014, 52, 6-10.	5.2	4
17	Effect of Hydrogen Doping on the Gate-Tunable Memristive Behavior of Zinc Oxide Films with and without F or N Doping. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000702.	1.8	4
18	Effective Oxygen-Defect Passivation in ZnO Thin Films Prepared by Atomic Layer Deposition Using Hydrogen Peroxide. <i>Journal of the Korean Ceramic Society</i> , 2019, 56, 302-307.	2.3	4

#	ARTICLE	IF	CITATIONS
19	In Situ Incorporation of Pt Nanoparticles in Fluorine-doped SnO ₂ Nanocomposite Thin Films by a One-step Synthesis. <i>Chemistry Letters</i> , 2015, 44, 782-784.	1.3	1
20	Thickness-dependent Electrical, Structural, and Optical Properties of ALD-grown ZnO Films. <i>Journal of the Microelectronics and Packaging Society</i> , 2014, 21, 31-35.	0.1	1