

Naveed Afzal

List of Publications by Year in descending order

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33
papers

295
citations

933447

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h-index

996975

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33
all docs

33
docs citations

33
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper ion implantation effects in ZnO film deposited on flexible polymer by DC magnetron sputtering. Vacuum, 2019, 165, 72-80.	3.5	33
2	Effect of laser fluence on surface, structural and mechanical properties of Zr after irradiation in the ambient environment of oxygen. European Physical Journal D, 2013, 67, 1.	1.3	27
3	Ultraviolet electroluminescence from flowers-like n-ZnO nanorods/p-GaN light-emitting diode fabricated by modified chemical bath deposition. Journal of Luminescence, 2020, 226, 117510.	3.1	21
4	Effect of film thickness on the surface, structural and electrical properties of InAlN films prepared by reactive co-sputtering. Materials Science in Semiconductor Processing, 2016, 43, 96-103.	4.0	17
5	Influence of substrate temperature on the growth and properties of reactively sputtered In-rich InAlN films. Journal of Materials Science: Materials in Electronics, 2016, 27, 4281-4289.	2.2	15
6	Nickel ion implantation effects on DC magnetron sputtered ZnO film prepared on Si (100). Ceramics International, 2019, 45, 15547-15555.	4.8	13
7	Development of EGFET-based ITO pH sensors using epoxy free membrane. Semiconductor Science and Technology, 2021, 36, 045027.	2.0	13
8	GROWTH OF RF SPUTTERED NiO FILMS ON DIFFERENT SUBSTRATES – A COMPARATIVE STUDY. Surface Review and Letters, 2017, 24, 1750096.	1.1	12
9	Influence of carbon ion implantation energy on aluminum carbide precipitation and electrochemical corrosion resistance of aluminum. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 84-91.	1.4	12
10	Fabrication and characterization of ethanol gas sensor based on hydrothermally grown V2O5 nanorods. Optik, 2020, 222, 165441.	2.9	12
11	Intergranular pitting tendency of yttrium implanted Inconel 600 in acidic chloride media. Surface and Coatings Technology, 2012, 212, 61-66.	4.8	10
12	Growth of polycrystalline indium aluminum nitride thin films on silicon (111) substrates. Materials Science in Semiconductor Processing, 2014, 27, 975-984.	4.0	10
13	Impact of variable energy hydrogen ions on structural and mechanical properties of Zircaloy-4. Physica Scripta, 2018, 93, 115303.	2.5	9
14	Effects of carbon ions irradiation on the electrochemical response of AISI 304 stainless steel. Materials Research Express, 2018, 5, 106501.	1.6	8
15	Improvement in Photodetection Characteristics of Graphene/p-Silicon Heterojunction Photodetector by PMMA/Graphene Cladding Layer. Journal of Electronic Materials, 2019, 48, 4064-4072.	2.2	8
16	Impact of Carbon Ion Implantation on the Crystal Structure, Surface Morphology, Vickers Hardness and Electrochemical Corrosion of Zirconium. Journal of Materials Engineering and Performance, 2021, 30, 4604-4618.	2.5	8
17	Influence of growth temperature and duration on different properties of ultra-long ZnO nanorods grown by modified chemical bath deposition method. Materials Research Express, 2018, 5, 095020.	1.6	7
18	Structural characterization of Zircaloy-4 subjected to helium ions irradiation of variable fluence. Nuclear Materials and Energy, 2019, 20, 100690.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Improvement in electrochemical corrosion resistance of Mg-Al-Zn alloy by 250 keV carbon ions irradiation. Materials Research Express, 2019, 6, 126452.	1.6	7
20	Electrochemical behavior of hydrogen precipitated Zircaloy-4. Modern Physics Letters B, 2015, 29, 1550200.	1.9	6
21	Effect of Ar:O ₂ ratio on reactively magnetron sputtered ZnO film's properties. Materials Research Express, 2019, 6, 116419.	1.6	6
22	Thermal evaporation based V ₂ O ₅ thin film for extended gate field effect transistor pH sensor. Materials Research Express, 2019, 6, 125423.	1.6	6
23	Electrochemical corrosion study of helium ions implanted Zircaloy-4 in chloride media. Nuclear Engineering and Technology, 2021, 53, 927-931.	2.3	5
24	STRUCTURAL AND MORPHOLOGICAL PROPERTIES OF ANNEALED MoO ₃ FILMS ON DIFFERENT SUBSTRATES. Surface Review and Letters, 2020, 27, 1950150.	1.1	4
25	Effect of Structure Modifying Agents on the Structural, Morphological and Optical Features of Hydrothermally Grown ZnO. Journal of Nanoscience and Nanotechnology, 2020, 20, 3265-3273.	0.9	4
26	Improvement in the pitting resistance of Inconel-600 by nitrogen ions implantation. Protection of Metals and Physical Chemistry of Surfaces, 2015, 51, 481-485.	1.1	3
27	Modification in ZnO film properties by 250 keV cobalt implantation. Materials Research Express, 2019, 6, 126428.	1.6	3
28	Structural, optical and electrical characteristics of silver ions irradiated ZnO film on flexible substrate. Superlattices and Microstructures, 2020, 144, 106586.	3.1	3
29	Surface and Structural Modifications of Tungsten by Laser Irradiation for Enhanced Electrochemical Corrosion Resistance. Journal of Materials Engineering and Performance, 2022, 31, 1904-1913.	2.5	3
30	STUDY OF HARDNESS AND CORROSION RATE OF COPPER IONS IRRADIATED Mg-Al-Zn ALLOY IN RINGER LACTATE SOLUTION. Surface Review and Letters, 2021, 28, 2150054.	1.1	2
31	DEPOSITION AND CHARACTERIZATION OF MAGNETRON CO-SPUTTERED InAlN FILM AT DIFFERENT Ar:N ₂ GAS FLOW RATIOS. Surface Review and Letters, 2017, 24, 1750027.	1.1	1
32	Structural properties and surface topography of MgO films prepared on Si (100) by pulsed DC magnetron sputtering. Materials Research Express, 2018, 5, 096412.	1.6	0
33	Effect of Ni and Cu catalysts on graphene growth under different ethanol flow rates using atmospheric pressure chemical vapor deposition. Materials Research Express, 2019, 6, 085627.	1.6	0