

Naveed Afzal

List of Publications by Year in descending order

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33
papers

295
citations

933447

10
h-index

996975

15
g-index

33
all docs

33
docs citations

33
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface and Structural Modifications of Tungsten by Laser Irradiation for Enhanced Electrochemical Corrosion Resistance. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 1904-1913.	2.5	3
2	Electrochemical corrosion study of helium ions implanted Zircaloy-4 in chloride media. <i>Nuclear Engineering and Technology</i> , 2021, 53, 927-931.	2.3	5
3	Development of EGFET-based ITO pH sensors using epoxy free membrane. <i>Semiconductor Science and Technology</i> , 2021, 36, 045027.	2.0	13
4	STUDY OF HARDNESS AND CORROSION RATE OF COPPER IONS IRRADIATED Mg-Al-Zn ALLOY IN RINGER LACTATE SOLUTION. <i>Surface Review and Letters</i> , 2021, 28, 2150054.	1.1	2
5	Impact of Carbon Ion Implantation on the Crystal Structure, Surface Morphology, Vickers Hardness and Electrochemical Corrosion of Zirconium. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 4604-4618.	2.5	8
6	STRUCTURAL AND MORPHOLOGICAL PROPERTIES OF ANNEALED MoO ₃ FILMS ON DIFFERENT SUBSTRATES. <i>Surface Review and Letters</i> , 2020, 27, 1950150.	1.1	4
7	Effect of Structure Modifying Agents on the Structural, Morphological and Optical Features of Hydrothermally Grown ZnO. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3265-3273.	0.9	4
8	Fabrication and characterization of ethanol gas sensor based on hydrothermally grown V ₂ O ₅ nanorods. <i>Optik</i> , 2020, 222, 165441.	2.9	12
9	Ultraviolet electroluminescence from flowers-like n-ZnO nanorods/p-GaN light-emitting diode fabricated by modified chemical bath deposition. <i>Journal of Luminescence</i> , 2020, 226, 117510.	3.1	21
10	Structural, optical and electrical characteristics of silver ions irradiated ZnO film on flexible substrate. <i>Superlattices and Microstructures</i> , 2020, 144, 106586.	3.1	3
11	Effect of Ar:O ₂ ratio on reactively magnetron sputtered ZnO film's properties. <i>Materials Research Express</i> , 2019, 6, 116419.	1.6	6
12	Structural characterization of Zircaloy-4 subjected to helium ions irradiation of variable fluence. <i>Nuclear Materials and Energy</i> , 2019, 20, 100690.	1.3	7
13	Effect of Ni and Cu catalysts on graphene growth under different ethanol flow rates using atmospheric pressure chemical vapor deposition. <i>Materials Research Express</i> , 2019, 6, 085627.	1.6	0
14	Copper ion implantation effects in ZnO film deposited on flexible polymer by DC magnetron sputtering. <i>Vacuum</i> , 2019, 165, 72-80.	3.5	33
15	Nickel ion implantation effects on DC magnetron sputtered ZnO film prepared on Si (100). <i>Ceramics International</i> , 2019, 45, 15547-15555.	4.8	13
16	Improvement in Photodetection Characteristics of Graphene/p-Silicon Heterojunction Photodetector by PMMA/Graphene Cladding Layer. <i>Journal of Electronic Materials</i> , 2019, 48, 4064-4072.	2.2	8
17	Thermal evaporation based V ₂ O ₅ thin film for extended gate field effect transistor pH sensor. <i>Materials Research Express</i> , 2019, 6, 125423.	1.6	6
18	Improvement in electrochemical corrosion resistance of Mg-Al-Zn alloy by 250 keV carbon ions irradiation. <i>Materials Research Express</i> , 2019, 6, 126452.	1.6	7

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19	Modification in ZnO film properties by 250 keV cobalt implantation. Materials Research Express, 2019, 6, 126428.	1.6	3
20	Impact of variable energy hydrogen ions on structural and mechanical properties of Zircaloy-4. Physica Scripta, 2018, 93, 115303.	2.5	9
21	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
22	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
23	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
24	Effects of carbon ions irradiation on the electrochemical response of AISI 304 stainless steel. Materials Research Express, 2018, 5, 106501.	1.6	8
25	GROWTH OF RF SPUTTERED NiO FILMS ON DIFFERENT SUBSTRATES – A COMPARATIVE STUDY. Surface Review and Letters, 2017, 24, 1750096.	1.1	12
26	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
27	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
28	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
29	Electrochemical behavior of hydrogen precipitated Zircaloy-4. Modern Physics Letters B, 2015, 29, 1550200.	1.9	6
30	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
31	Growth of polycrystalline indium aluminum nitride thin films on silicon (111) substrates. Materials Science in Semiconductor Processing, 2014, 27, 975-984.	4.0	10
32	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
33	Intergranular pitting tendency of yttrium implanted Inconel 600 in acidic chloride media. Surface and Coatings Technology, 2012, 212, 61-66.	4.8	10