

Ali Dad Chandio

List of Publications by Year in descending order

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47
papers

563
citations

686830

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all docs

48
docs citations

48
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of copper doped ZnO nanorods for the efficient photo degradation of methylene blue and methyl orange. <i>Ceramics International</i> , 2020, 46, 9997-10005.	2.3	65
2	Dual thermal analysis of magnetohydrodynamic flow of nanofluids via modern approaches of Caputo's Fabrizio and Atangana's Baleanu fractional derivatives embedded in porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2197-2207.	2.0	55
3	Efficient photo catalysts based on silver doped ZnO nanorods for the photo degradation of methyl orange. <i>Ceramics International</i> , 2019, 45, 23289-23297.	2.3	46
4	Effect of platinum addition on oxidation behaviour of Ni_3Al nickel aluminide. <i>Acta Materialia</i> , 2015, 86, 319-330.	3.8	42
5	Facile Non-enzymatic Lactic Acid Sensor Based on Cobalt Oxide Nanostructures. <i>Electroanalysis</i> , 2019, 31, 1296-1303.	1.5	32
6	UV Blocking and Oxygen Barrier Coatings Based on Polyvinyl Alcohol and Zinc Oxide Nanoparticles for Packaging Applications. <i>Coatings</i> , 2022, 12, 897.	1.2	30
7	Nickel-substituted manganese spinel ferrite nanoparticles for high-frequency applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1661-1671.	1.1	23
8	Impact of confining stress on permeability of tight gas sands: an experimental study. <i>Journal of Petroleum Exploration and Production</i> , 2017, 7, 717-726.	1.2	22
9	Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol-Gel Auto-Combustion Method. <i>Journal of Electronic Materials</i> , 2021, 50, 3302-3311.	1.0	22
10	Impact of aluminum substitution on the structural and dielectric properties of Ni-Cu spinel ferrite nanoparticles synthesized via sol-gel route. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	21
11	Polyvinyl Alcohol and Nano-Clay Based Solution Processed Packaging Coatings. <i>Coatings</i> , 2021, 11, 942.	1.2	18
12	Enzymes and phytochemicals from neem extract robustly tuned the photocatalytic activity of ZnO for the degradation of malachite green (MG) in aqueous media. <i>Research on Chemical Intermediates</i> , 2021, 47, 1581-1599.	1.3	16
13	Low Temperature Aqueous Chemical Growth Method for the Doping of W into ZnO Nanostructures and Their Photocatalytic Role in the Degradation of Methylene Blue. <i>Journal of Cluster Science</i> , 2022, 33, 1445-1456.	1.7	14
14	Solution Processed PVB/Mica Flake Coatings for the Encapsulation of Organic Solar Cells. <i>Materials</i> , 2021, 14, 2496.	1.3	14
15	Gelatin- and Papaya-Based Biodegradable and Edible Packaging Films to Counter Plastic Waste Generation. <i>Materials</i> , 2022, 15, 1046.	1.3	14
16	Synthesis and Characterization of Ti-Sn Alloy for Orthopedic Application. <i>Materials</i> , 2021, 14, 7660.	1.3	13
17	Dielectric, impedance, and modulus spectroscopic studies of lanthanum-doped nickel spinel ferrites $\text{Ni}_{1-x}\text{La}_x\text{Fe}_2\text{O}_4$ nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 101, 596-605.	1.1	11
18	Boron Doped ZnO Nanostructures for Photo Degradation of Methylene Blue, Methyl Orange and Rhodamine B. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2483-2494.	0.9	11

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19	Sustainable and Eco-Friendly Packaging Films Based on Poly (Vinyl Alcohol) and Glass Flakes. Membranes, 2022, 12, 701.	1.4	11
20	Properties of Al ³⁺ substituted nickel ferrite (NiAl _x Fe _{2-x} O ₄) nanoparticles synthesised using wet sol-gel auto-combustion. Journal of Sol-Gel Science and Technology, 2022, 101, 606-617.	1.1	10
21	Structural, dielectric, impedance, and electric modulus properties of Cu ²⁺ -substituted Cu _x Mn _{1-x} Fe ₂ O ₄ spinel ferrites nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 2832-2844.	1.1	9
22	Evaluation of Impact Strength of Epoxy Based Hybrid Composites Reinforced with E-Glass/Kevlar 49. Mehran University Research Journal of Engineering and Technology, 2017, 36, 1009-1016.	0.3	9
23	Process Parameter Optimization of a Polymer Derived Ceramic Coatings for Producing Ultra-High Gas Barrier. Materials, 2021, 14, 7000.	1.3	8
24	High Temperature Effectiveness of Ginger Extract as Green Inhibitor for Corrosion in Mild Steel. NUST Journal of Engineering Sciences, 2018, 11, 26-32.	0.2	7
25	Diffusion welding of CoCrNi medium entropy alloy (MEA) and SUS 304 stainless steel at different bonding temperatures. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 2193-2206.	1.3	6
26	Effect of Artificial Aging Temperature on Mechanical Properties of 6061 Aluminum Alloy. Mehran University Research Journal of Engineering and Technology, 2019, 38, 31-36.	0.3	6
27	Effect of Heating Rate on Microstructural Developments in Cold Heading Quality Steel used for Automotive Applications. Mehran University Research Journal of Engineering and Technology, 2018, 37, 461-466.	0.3	5
28	Effect of Temperature and Time on Nickel Aluminide Coating Deposition. Mehran University Research Journal of Engineering and Technology, 2018, 37, 491-496.	0.3	4
29	Effect of Cryogenic Treatment on Mechanical Properties of AISI 4340 and AISI 4140 Steel. Mehran University Research Journal of Engineering and Technology, 2019, 38, 755-766.	0.3	3
30	Residual Stress Study of Nickel Aluminide (NiAl) Coatings Deposited by <i>in Situ</i> Chemical Vapour Deposition Method. Key Engineering Materials, 0, 875, 280-285.	0.4	2
31	TiO ₂ /ZnO Nanocomposite Material for Efficient Degradation of Methylene Blue. Journal of Nanoscience and Nanotechnology, 2021, 21, 2511-2519.	0.9	2
32	Tin as an Effective Doping Agent into ZnO for the Improved Photodegradation of Rhodamine B. Journal of Nanoscience and Nanotechnology, 2021, 21, 2529-2537.	0.9	2
33	Viscometric and FTIR studies of chloroquine phosphate, acefylline piperazine and gentamicin sulfate in aqueous-polyethylene glycol and aqueous-polyvinyl pyrrolidone at different temperatures. Arabian Journal of Chemistry, 2021, 14, 103265.	2.3	2
34	Characterization of Microstructure, Phase Composition, and Mechanical Behavior of Ballistic Steels. Materials, 2022, 15, 2204.	1.3	2
35	Low Temperature Synthesis of Anatase TiO ₂ Nanoparticles and its Application in Nanocrystalline Thin Films. Key Engineering Materials, 2018, 778, 86-90.	0.4	1
36	Silver nano platelet films on soft micro grating surface. Microelectronics International, 2019, 36, 1-7.	0.4	1

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37	Facile Coating of HAP on Ti6Al4V for Osseointegration. Engineering, Technology & Applied Science Research, 2021, 11, 7240-7246.	0.8	1
38	Understanding the Effect of Aluminum Addition on the Forming of Second Phase Particles on Grain Growth of Micro-Alloyed Steel. Engineering, Technology & Applied Science Research, 2020, 10, 5153-5156.	0.8	1
39	Deposition of Aluminide Coatings onto AISI 304L Steel for High Temperature Applications. Materials, 2022, 15, 4184.	1.3	1
40	Removal of Heavy Metals (Lead, Cadmium and Iron) from Low-Grade Nanoscale Zinc Oxide Using Ammonium Carbonate Solution as a Leaching Agent. Key Engineering Materials, 0, 778, 132-136.	0.4	0
41	Failure Study of Two Dissimilar Steels Joined by Spot Welding Technique. Key Engineering Materials, 2018, 778, 262-267.	0.4	0
42	An Efficient Nickel Sulfide@NiO Nanocomposite Catalyst with High Density of Active Sites for the Hydrogen Evolution Reaction in Alkaline Media. Journal of Nanoscience and Nanotechnology, 2021, 21, 2520-2528.	0.9	0
43	Interdiffusion Studies of \hat{I}^2 NiAl Bond Coats: Understanding the Zr, Pt, and Al Migration Trends and Their Beneficial Effects. Korean Journal of Materials Research, 2021, 31, 439-444.	0.1	0
44	Effect of Concrete Admixtures on Structural Properties and Corrosion Resistance of Steel Reinforcements. Medziagotyra, 2021, 27, 354-360.	0.1	0
45	Plasmonic Effect of Gold Nanoparticles Surrounded by Multidielectric Matrices. Mehran University Research Journal of Engineering and Technology, 2017, 36, 741-744.	0.3	0
46	Effect of Nano-Ceria on Physiognomies of Aluminum-5% Zinc Sacrificial Anode. Mehran University Research Journal of Engineering and Technology, 2018, 37, 351-358.	0.3	0
47	Effect of Aluminum Addition with Nitrogen on K-Carbide Formation in Carbon-Mn Steel. Medziagotyra, 0, , .	0.1	0