

# Ali Dad Chandio

## List of Publications by Year in descending order

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47  
papers

563  
citations

686830

13  
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676716

22  
g-index

48  
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48  
docs citations

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times ranked

476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of Al <sup>3+</sup> substituted nickel ferrite (NiAl <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> ) nanoparticles synthesised using wet sol-gel auto-combustion. Journal of Sol-Gel Science and Technology, 2022, 101, 606-617.	1.1	10
2	Dielectric, impedance, and modulus spectroscopic studies of lanthanum-doped nickel spinel ferrites NiLa <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> nanoparticles. Journal of Sol-Gel Science and Technology, 2022, 101, 596-605.	1.1	11
3	Low Temperature Aqueous Chemical Growth Method for the Doping of W into ZnO Nanostructures and Their Photocatalytic Role in the Degradation of Methylene Blue. Journal of Cluster Science, 2022, 33, 1445-1456.	1.7	14
4	Gelatin- and Papaya-Based Biodegradable and Edible Packaging Films to Counter Plastic Waste Generation. Materials, 2022, 15, 1046.	1.3	14
5	Characterization of Microstructure, Phase Composition, and Mechanical Behavior of Ballistic Steels. Materials, 2022, 15, 2204.	1.3	2
6	Deposition of Aluminide Coatings onto AISI 304L Steel for High Temperature Applications. Materials, 2022, 15, 4184.	1.3	1
7	UV Blocking and Oxygen Barrier Coatings Based on Polyvinyl Alcohol and Zinc Oxide Nanoparticles for Packaging Applications. Coatings, 2022, 12, 897.	1.2	30
8	Sustainable and Eco-Friendly Packaging Films Based on Poly (Vinyl Alcohol) and Glass Flakes. Membranes, 2022, 12, 701.	1.4	11
9	Structural, dielectric, impedance, and electric modulus properties of Cu <sup>2+</sup> -substituted Cu <sub>x</sub> Mn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> spinel ferrites nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 2832-2844.	1.1	9
10	Aluminum Substitution in Ni-Co Based Spinel Ferrite Nanoparticles by Sol-Gel Auto-Combustion Method. Journal of Electronic Materials, 2021, 50, 3302-3311.	1.0	22
11	TiO <sub>2</sub> /ZnO Nanocomposite Material for Efficient Degradation of Methylene Blue. Journal of Nanoscience and Nanotechnology, 2021, 21, 2511-2519.	0.9	2
12	Boron Doped ZnO Nanostructures for Photo Degradation of Methylene Blue, Methyl Orange and Rhodamine B. Journal of Nanoscience and Nanotechnology, 2021, 21, 2483-2494.	0.9	11
13	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
14	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
15	Solution Processed PVB/Mica Flake Coatings for the Encapsulation of Organic Solar Cells. Materials, 2021, 14, 2496.	1.3	14
16	Facile Coating of HAP on Ti6Al4V for Osseointegration. Engineering, Technology & Applied Science Research, 2021, 11, 7240-7246.	0.8	1
17	Polyvinyl Alcohol and Nano-Clay Based Solution Processed Packaging Coatings. Coatings, 2021, 11, 942.	1.2	18
18	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

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19	Interdiffusion Studies of $\hat{I}^2NiAl$ Bond Coats: Understanding the Zr, Pt, and Al Migration Trends and Their Beneficial Effects. <i>Korean Journal of Materials Research</i> , 2021, 31, 439-444.	0.1	0
20	Viscometric and FTIR studies of chloroquine phosphate, acefylline piperazine and gentamicin sulfate in aqueous-polyethylene glycol and aqueous-polyvinyl pyrrolidone at different temperatures. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103265.	2.3	2
21	Effect of Concrete Admixtures on Structural Properties and Corrosion Resistance of Steel Reinforcements. <i>Medziagotyra</i> , 2021, 27, 354-360.	0.1	0
22	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
23	Process Parameter Optimization of a Polymer Derived Ceramic Coatings for Producing Ultra-High Gas Barrier. <i>Materials</i> , 2021, 14, 7000.	1.3	8
24	Synthesis and Characterization of Ti-Sn Alloy for Orthopedic Application. <i>Materials</i> , 2021, 14, 7660.	1.3	13
25	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
26	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
27	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
28	Understanding the Effect of Aluminum Addition on the Forming of Second Phase Particles on Grain Growth of Micro-Alloyed Steel. <i>Engineering, Technology &amp; Applied Science Research</i> , 2020, 10, 5153-5156.	0.8	1
29	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
30	Silver nano platelet films on soft micro grating surface. <i>Microelectronics International</i> , 2019, 36, 1-7.	0.4	1
31	Facile Non-enzymatic Lactic Acid Sensor Based on Cobalt Oxide Nanostructures. <i>Electroanalysis</i> , 2019, 31, 1296-1303.	1.5	32
32	Dual thermal analysis of magnetohydrodynamic flow of nanofluids via modern approaches of Caputo-Fabrizio and Atangana-Baleanu fractional derivatives embedded in porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2197-2207.	2.0	55
33	Effect of Artificial Aging Temperature on Mechanical Properties of 6061 Aluminum Alloy. <i>Mehran University Research Journal of Engineering and Technology</i> , 2019, 38, 31-36.	0.3	6
34	Effect of Cryogenic Treatment on Mechanical Properties of AISI 4340 and AISI 4140 Steel. <i>Mehran University Research Journal of Engineering and Technology</i> , 2019, 38, 755-766.	0.3	3
35	Failure Study of Two Dissimilar Steels Joined by Spot Welding Technique. <i>Key Engineering Materials</i> , 2018, 778, 262-267.	0.4	0
36	Low Temperature Synthesis of Anatase $TiO_2$ Nanoparticles and its Application in Nanocrystalline Thin Films. <i>Key Engineering Materials</i> , 2018, 778, 86-90.	0.4	1

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37	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
38	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
39	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
40	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
41	Impact of confining stress on permeability of tight gas sands: an experimental study. Journal of Petroleum Exploration and Production, 2017, 7, 717-726.	1.2	22
42	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
43	Plasmonic Effect of Gold Nanoparticles Surrounded by Multidielectric Matrices. Mehran University Research Journal of Engineering and Technology, 2017, 36, 741-744.	0.3	0
44	Effect of platinum addition on oxidation behaviour of $\text{Ni}_3\text{Al}$ nickel aluminide. Acta Materialia, 2015, 86, 319-330.	3.8	42
45	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
46	Residual Stress Study of Nickel Aluminide ( $\text{Ni}_3\text{Al}$ ) Coatings Deposited by <i>In Situ</i> Chemical Vapour Deposition Method. Key Engineering Materials, 0, 875, 280-285.	0.4	2
47	Effect of Aluminum Addition with Nitrogen on K-Carbide Formation in Carbon-Mn Steel. Medziagotyra, 0, , .	0.1	0