

# Sultan Akhtar

## List of Publications by Year in descending order

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130  
papers

3,372  
citations

117571

34  
h-index

197736

49  
g-index

133  
all docs

133  
docs citations

133  
times ranked

3325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and structural characterization of Nb <sup>3+</sup> -substituted CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , 2019, 45, 8222-8232.	2.3	98
2	Impact of La <sup>3+</sup> and Y <sup>3+</sup> ion substitutions on structural, magnetic and microwave properties of Ni <sub>0.3</sub> Cu <sub>0.3</sub> Zn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> nanospinel ferrites synthesized via sonochemical route. <i>RSC Advances</i> , 2019, 9, 30671-30684.	1.7	90
3	Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> TbxFe <sub>2-x</sub> O <sub>4</sub> nanospinel ferrites: Ultrasonic synthesis and physical properties. <i>Ultrasonics Sonochemistry</i> , 2019, 59, 104757.	3.8	89
4	Effect of bimetallic (Ca, Mg) substitution on magneto-optical properties of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , 2019, 45, 6021-6029.	2.3	88
5	Effect of zirconium oxide nanoparticles addition on the optical and tensile properties of polymethyl methacrylate denture base material. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 283-292.	3.3	86
6	Strength and Surface Properties of a 3D-Printed Denture Base Polymer. <i>Journal of Prosthodontics</i> , 2022, 31, 412-418.	1.7	83
7	Structural, magnetic, optical properties and cation distribution of nanosized Ni <sub>0.3</sub> Cu <sub>0.3</sub> Zn <sub>0.4</sub> TmxFe <sub>2-x</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation. <i>Ultrasonics Sonochemistry</i> , 2019, 57, 203-211.	3.8	81
8	Synthesis of Electrospun TiO <sub>2</sub> Nanofibers and Characterization of Their Antibacterial and Antibiofilm Potential against Gram-Positive and Gram-Negative Bacteria. <i>Antibiotics</i> , 2020, 9, 572.	1.5	81
9	Enhancement of anticorrosion property of 304 stainless steel using silane coatings. <i>Applied Surface Science</i> , 2018, 440, 1286-1297.	3.1	69
10	Effects of annealing on copper substrate surface morphology and graphene growth by chemical vapor deposition. <i>Carbon</i> , 2015, 94, 369-377.	5.4	67
11	Size effect of iron (III) oxide nanomaterials on the growth, and their uptake and translocation in common wheat ( <i>Triticum aestivum</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110377.	2.9	66
12	Mild sonochemical exfoliation of bromine-intercalated graphite: a new route towards graphene. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 112003.	1.3	64
13	Structural, magnetic, optical properties and cation distribution of nanosized Co <sub>0.7</sub> Zn <sub>0.3</sub> TmxFe <sub>2-x</sub> O <sub>4</sub> (0.0 ≤ x ≤ 0.04) spinel ferrites synthesized by ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104638.	3.8	64
14	A site-specific focused-ion-beam lift-out method for cryo Transmission Electron Microscopy. <i>Journal of Structural Biology</i> , 2012, 180, 572-576.	1.3	63
15	Effect of Nanodiamond Addition on Flexural Strength, Impact Strength, and Surface Roughness of PMMA Denture Base. <i>Journal of Prosthodontics</i> , 2019, 28, e417-e425.	1.7	63
16	Facile fabrication of superhydrophobic/superoleophilic microporous membranes by spray-coating ytterbium oxide particles for efficient oil-water separation. <i>Journal of Membrane Science</i> , 2018, 548, 390-397.	4.1	60
17	Reinforcement of PMMA Denture Base Material with a Mixture of ZrO <sub>2</sub> Nanoparticles and Glass Fibers. <i>International Journal of Dentistry</i> , 2019, 2019, 1-11.	0.5	60
18	Synthesis of Mn <sub>0.5</sub> Zn <sub>0.5</sub> SmxEuxFe <sub>1.8-x</sub> O <sub>4</sub> Nanoparticles via the Hydrothermal Approach Induced Anti-Cancer and Anti-Bacterial Activities. <i>Nanomaterials</i> , 2019, 9, 1635.	1.9	56

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19	Isolation and characterization of a novel thermophile; <i>Bacillus haynesii</i> , applied for the green synthesis of ZnO nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 2072-2082.	1.9	55
20	Coronene Fusion by Heat Treatment: Road to Nanographenes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13207-13214.	1.5	52
21	Single step production of high-purity copper oxide-titanium dioxide nanocomposites and their effective antibacterial and anti-biofilm activity against drug-resistant bacteria. <i>Materials Science and Engineering C</i> , 2020, 113, 110992.	3.8	52
22	Green synthesis of gold nanoparticles using cinnamon bark extract, characterization, and fluorescence activity in Au/eosin Y assemblies. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	51
23	Biocompatible Tin Oxide Nanoparticles: Synthesis, Antibacterial, Anticandidal and Cytotoxic Activities. <i>ChemistrySelect</i> , 2019, 4, 4013-4017.	0.7	50
24	Direct "Click" Synthesis of Hybrid Bisphosphonate-Hyaluronic Acid Hydrogel in Aqueous Solution for Biomaterialization. <i>Chemistry of Materials</i> , 2012, 24, 1690-1697.	3.2	47
25	Highly efficient Cu-phthalocyanine-sensitized ZnO hollow spheres for photocatalytic and antimicrobial applications. <i>Composites Part B: Engineering</i> , 2019, 176, 107314.	5.9	47
26	Superhydrophobic and superoleophilic surfaces prepared by spray-coating of facile synthesized Cerium(IV) oxide nanoparticles for efficient oil/water separation. <i>Applied Surface Science</i> , 2018, 462, 95-104.	3.1	44
27	PEDOT/FHA nanocomposite coatings on newly developed Ti-Nb-Zr implants: Biocompatibility and surface protection against corrosion and bacterial infections. <i>Materials Science and Engineering C</i> , 2019, 98, 482-495.	3.8	43
28	Uptake, translocation, and physiological effects of hematite ( $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> ) nanoparticles in barley ( <i>Hordeum vulgare</i> L.). <i>Environmental Pollution</i> , 2020, 266, 115391.	3.7	43
29	Eco-friendly synthesized $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> heterojunction with enhanced visible light photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111951.	2.0	42
30	Targeted delivery of poly (methyl methacrylate) particles in colon cancer cells selectively attenuates cancer cell proliferation. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 1533-1542.	1.9	40
31	A novel approach for fabrication ZnO/CuO nanocomposite via laser ablation in liquid and its antibacterial activity. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103606.	2.3	40
32	Photo-catalytic Killing of HeLa Cancer Cells Using Facile Synthesized Pure and Ag Loaded WO <sub>3</sub> Nanoparticles. <i>Scientific Reports</i> , 2018, 8, 15224.	1.6	38
33	Counteraction of Biofilm Formation and Antimicrobial Potential of Terminalia catappa Functionalized Silver Nanoparticles against <i>Candida albicans</i> and Multidrug-Resistant Gram-Negative and Gram-Positive Bacteria. <i>Antibiotics</i> , 2021, 10, 725.	1.5	38
34	Organic fouling in surface modified reverse osmosis membranes: Filtration studies and subsequent morphological and compositional characterization. <i>Journal of Membrane Science</i> , 2017, 527, 152-163.	4.1	36
35	FMSP-Nanoparticles Induced Cell Death on Human Breast Adenocarcinoma Cell Line (MCF-7 Cells): Morphometric Analysis. <i>Biomolecules</i> , 2018, 8, 32.	1.8	35
36	A comparative study of various polyelectrolyte/nanocomposite electrode combinations in symmetric supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16099-16109.	3.8	33

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37	Effect of Nd-Y co-substitution on structural, magnetic, optical and microwave properties of NiCuZn nanospinel ferrites. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11278-11290.	2.6	33
38	Synthesis of hierarchical multilayer N-doped Mo <sub>2</sub> C@MoO <sub>3</sub> nanostructure for high-performance supercapacitor application. <i>Journal of Energy Storage</i> , 2022, 46, 103824.	3.9	33
39	Sulfonated Hollow Silica Spheres as Electrolyte Store/Release Agents: High Performance Supercapacitor Applications. <i>Energy Technology</i> , 2019, 7, 1900511.	1.8	32
40	Facile preparation of antiadhesive and biocidal reverse osmosis membranes using a single coating for efficient water purification. <i>Journal of Membrane Science</i> , 2019, 591, 117299.	4.1	32
41	Facile synthesis, characterization of nano-tungsten trioxide decorated with silver nanoparticles and their antibacterial activity against water-borne gram-negative pathogens. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 851-860.	1.6	32
42	Cisplatin delivery, anticancer and antibacterial properties of Fe/SBA-16/ZIF-8 nanocomposite. <i>RSC Advances</i> , 2019, 9, 42395-42408.	1.7	31
43	Impact of matrix properties on the survival of freeze-dried bacteria. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 2518-2528.	1.7	28
44	A hybrid nanocomposite of CeO <sub>2</sub> @ZnO-chitosan as an enhanced sensing platform for highly sensitive voltammetric determination of paracetamol and its degradation product <i>p</i> -aminophenol. <i>RSC Advances</i> , 2019, 9, 15986-15996.	1.7	28
45	ZnO@ porous graphite nanocomposite from waste for superior photocatalytic activity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12288-12301.	2.7	28
46	Sol-Gel Synthesis of Dy-Substituted Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> (Fe <sub>2-x</sub> Dy <sub>x</sub> )O <sub>4</sub> Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5633-5650.	3.3	28
47	Extracts of Clove ( <i>Syzygium aromaticum</i> ) Potentiate FMSP-Nanoparticles Induced Cell Death in MCF-7 Cells. <i>International Journal of Biomaterials</i> , 2018, 2018, 1-10.	1.1	27
48	Quantum dots encapsulated with curcumin inhibit the growth of colon cancer, breast cancer and bacterial cells. <i>Nanomedicine</i> , 2020, 15, 969-980.	1.7	27
49	Formulation of gold nanoparticles with hibiscus and curcumin extracts induced anti-cancer activity. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103594.	2.3	27
50	Preparation of cerium and yttrium doped ZnO nanoparticles and tracking their structural, optical, and photocatalytic performances. <i>Journal of Rare Earths</i> , 2023, 41, 682-688.	2.5	27
51	Facile synthesis, characterization and antibacterial activity of nanostructured palladium loaded silicon carbide. <i>Ceramics International</i> , 2018, 44, 16908-16914.	2.3	26
52	Fluorescent magnetic submicronic polymer (FMSP) nanoparticles induce cell death in human colorectal carcinoma cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 247-253.	1.9	26
53	Comparative Effect of Glass Fiber and Nano-Filler Addition on Denture Repair Strength. <i>Journal of Prosthodontics</i> , 2020, 29, 261-268.	1.7	26
54	Real-Space Transmission Electron Microscopy Investigations of Attachment of Functionalized Magnetic Nanoparticles to DNA-Coils Acting as a Biosensor. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13255-13262.	1.2	24

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55	Antifungal Efficacy and Physical Properties of Poly(methylmethacrylate) Denture Base Material Reinforced with SiO <sub>2</sub> Nanoparticles. <i>Journal of Prosthodontics</i> , 2021, 30, 500-508.	1.7	24
56	Iron oxide nanoparticles translocate in pumpkin and alter the phloem sap metabolites related to oil metabolism. <i>Scientia Horticulturae</i> , 2020, 265, 109223.	1.7	24
57	3D-Printed Nanocomposite Denture-Base Resins: Effect of ZrO <sub>2</sub> Nanoparticles on the Mechanical and Surface Properties In Vitro. <i>Nanomaterials</i> , 2022, 12, 2451.	1.9	24
58	Impact of different surface treatments and repair material reinforcement on the flexural strength of repaired PMMA denture base material. <i>Dental Materials Journal</i> , 2020, 39, 471-482.	0.8	23
59	Single-step synthesis of silicon carbide anchored graphitic carbon nitride nanocomposite photo-catalyst for efficient photoelectrochemical water splitting under visible-light irradiation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125886.	2.3	22
60	Photovoltaic performance and photocatalytic activity of facile synthesized graphene decorated TiO <sub>2</sub> monohybrid using nanosecond pulsed ablation in liquid technique. <i>Solar Energy</i> , 2016, 137, 246-255.	2.9	21
61	Translucency of nanoparticle-reinforced PMMA denture base material: An <i>in-vitro</i> comparative study. <i>Dental Materials Journal</i> , 2021, 40, 972-978.	0.8	20
62	3D-Printable Denture Base Resin Containing SiO <sub>2</sub> Nanoparticles: An In Vitro Analysis of Mechanical and Surface Properties. <i>Journal of Prosthodontics</i> , 2022, 31, 784-790.	1.7	20
63	Study of the impact of chemical etching on Cu surface morphology, graphene growth and transfer on SiO <sub>2</sub> /Si substrate. <i>Carbon</i> , 2017, 123, 402-414.	5.4	19
64	Efficient biosynthesis of CuO nanoparticles with potential cytotoxic activity. <i>Chemical Papers</i> , 2020, 74, 2825-2835.	1.0	19
65	Template-free single-step preparation of hollow CoO nanospheres using pulsed laser ablation in liquid environment. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103317.	2.3	19
66	Double-layered acrylic resin denture base with nanoparticle additions: An <i>in-vitro</i> study. <i>Journal of Prosthetic Dentistry</i> , 2022, 127, 174-183.	1.1	18
67	Effect of SiO <sub>2</sub> Nanoparticles Addition on the Flexural Strength of Repaired Acrylic Denture Base. <i>European Journal of Dentistry</i> , 2020, 14, 019-023.	0.8	18
68	Fate and impact of maghemite (γ-Fe <sub>2</sub> O <sub>3</sub> ) and magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles in barley ( <i>Hordeum vulgare</i> ) Tj ETQo0 0 0 rgBT /Overlo	2.7	18
69	Flexural Properties and Hardness of CAD-CAM Denture Base Materials. <i>Journal of Prosthodontics</i> , 2023, 32, 318-324.	1.7	17
70	Cisplatin-functionalized three-dimensional magnetic SBA-16 for treating breast cancer cells (MCF-7). <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 3079-3086.	1.9	16
71	PEGylated green halloysite/spinel ferrite nanocomposites for pH sensitive delivery of dexamethasone: A potential pulmonary drug delivery treatment option for COVID-19. <i>Applied Clay Science</i> , 2022, 216, 106333.	2.6	16
72	SPIONs/3D SiSBA-16 based Multifunctional Nanoformulation for target specific cisplatin release in colon and cervical cancer cell lines. <i>Scientific Reports</i> , 2019, 9, 14523.	1.6	15

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73	Antibiotic-Loaded Psyllium Husk Hemicellulose and Gelatin-Based Polymeric Films for Wound Dressing Application. <i>Pharmaceutics</i> , 2021, 13, 236.	2.0	15
74	Graphene Oxide-Based Membranes for Water Purification Applications: Effect of Plasma Treatment on the Adhesion and Stability of the Synthesized Membranes. <i>Membranes</i> , 2020, 10, 292.	1.4	14
75	Novel Feather Degrading Keratinases from <i>Bacillus cereus</i> Group: Biochemical, Genetic and Bioinformatics Analysis. <i>Microorganisms</i> , 2022, 10, 93.	1.6	14
76	A Simple Transmission Electron Microscopy Method for Fast Thickness Characterization of Suspended Graphene and Graphite Flakes. <i>Microscopy and Microanalysis</i> , 2016, 22, 250-256.	0.2	13
77	Evaluation of bioactivities of zinc oxide, cadmium sulfide and cadmium sulfide loaded zinc oxide nanostructured materials prepared by nanosecond pulsed laser. <i>Materials Science and Engineering C</i> , 2020, 116, 111156.	3.8	13
78	Synthesis, characterization and magnetic investigation of Er-substituted electrospun $\text{NiFe}_2\text{O}_4$ nanofibers. <i>Physica Scripta</i> , 2020, 95, 075801.	1.2	13
79	Influence of artificial aging and ZrO <sub>2</sub> nanoparticle-reinforced repair resin on the denture repair strength. <i>Journal of Clinical and Experimental Dentistry</i> , 2020, 12, e354-e362.	0.5	13
80	Hierarchical mesosilicalite nanoformulation integrated with cisplatin exhibits target-specific efficient anticancer activity. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1205-1220.	1.6	12
81	Functionalized magnetic nanoparticles attenuate cancer cells proliferation: Transmission electron microscopy analysis. <i>Microscopy Research and Technique</i> , 2019, 82, 983-992.	1.2	11
82	Synthesis and characterization of electrospun $\text{Ni}_{0.5}\text{Co}$ nanofibers. <i>Journal of Applied Polymer Science</i> , 2020, 123, 4955-4965.	1.9	11
83	A Novel Tin-Doped Titanium Oxide Nanocomposite for Efficient Photo-Anodic Water Splitting. <i>ACS Omega</i> , 2020, 5, 6405-6413.	1.6	11
84	Impact of tin oxide on the structural features and radiation shielding response of some ABO <sub>3</sub> perovskites ceramics ( $\text{A}=\text{Ca, Sr, Ba}$ ; $\text{B}=\text{Ti}$ ). <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.2	11
85	Few-Layers Graphene Film and Copper Surface Morphology for Improved Corrosion Protection of Copper. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5541-5550.	1.2	10
86	Effects of Denture Cleansers on the Flexural Strength of PMMA Denture Base Resin Modified with ZrO <sub>2</sub> Nanoparticles. <i>Journal of Prosthodontics</i> , 2021, 30, 235-244.	1.7	10
87	Color Stability and Surface Properties of PMMA/ZrO <sub>2</sub> Nanocomposite Denture Base Material after Using Denture Cleanser. <i>International Journal of Biomaterials</i> , 2021, 2021, 1-10.	1.1	10
88	UV-resistant and transparent hydrophobic surfaces with different wetting states by a facile dip-coating method. <i>Progress in Organic Coatings</i> , 2019, 136, 105192.	1.9	9
89	Synthesis of manganese (IV) oxide at activated carbon on reduced graphene oxide sheets via laser irradiation technique for organic binder-free electrodes in flexible supercapacitors. <i>Ceramics International</i> , 2021, 47, 7416-7424.	2.3	9
90	Effects of SiO <sub>2</sub> Incorporation on the Flexural Properties of a Denture Base Resin: An In Vitro Study. <i>European Journal of Dentistry</i> , 2022, 16, 188-194.	0.8	9

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91	Tailoring the surface morphology of nanostructured cobalt oxide for high-sensitivity CO sensor. Journal of Materials Science, 2022, 57, 12865-12874.	1.7	9
92	Impact of ZrO <sub>2</sub> nanoparticles addition on flexural properties of denture base resin with different thickness. Journal of Advanced Prosthodontics, 2021, 13, 226.	1.1	8
93	Comparative Effect of Different Surface Treatments on the Shear Bond Strength of Two Types of Artificial Teeth Bonded To Two Types of Denture Base Resins. Journal of Prosthodontics, 2022, 31, 427-433.	1.7	8
94	Effect of treated zirconium dioxide nanoparticles on the flexural properties of autopolymerized resin for interim fixed restorations: An in vitro study. Journal of Prosthetic Dentistry, 2023, 130, 257-264.	1.1	8
95	Preparation of indium-cadmium sulfide nanoparticles with diverse morphologies: Photocatalytic and cytotoxicity study. Journal of Molecular Structure, 2022, 1253, 132288.	1.8	8
96	The Effect of Salivary pH on the Flexural Strength and Surface Properties of CAD/CAM Denture Base Materials. European Journal of Dentistry, 2023, 17, 234-241.	0.8	8
97	Utilization of Areca Nut Leaf Sheath Fibers for the Extraction of Cellulose Whiskers. Journal of Natural Fibers, 2021, 18, 1261-1273.	1.7	7
98	Chemo-Mechanical Approach to Improve Repair Bond Strength of Denture Teeth. International Journal of Dentistry, 2020, 2020, 1-8.	0.5	7
99	Structural, Magnetic, and Mossbauer Parameters <sup>TM</sup> Evaluation of Sonochemically Synthesized Rare Earth Er <sup>3+</sup> and Y <sup>3+</sup> Ions-Substituted Manganese <sup>2+</sup> Zinc Nanospinel Ferrites. ACS Omega, 2021, 6, 22429-22438.	1.6	7
100	Wear and Fracture Resistance of 3D-Printed Denture Teeth: An In Vitro Comparative Study. Journal of Prosthodontics, 2023, 32, 170-177.	1.7	7
101	Arabinoxylan-Carboxymethylcellulose Composite Films for Antibiotic Delivery to Infected Wounds. Polymers, 2022, 14, 1769.	2.0	7
102	A comparative study on finding an effective root for the introduction of hydrogen into microplasma during diamond growth. Journal of Physics and Chemistry of Solids, 2018, 122, 72-86.	1.9	6
103	Synthesis of an Activatable Tetra-Substituted Nickel Phthalocyanines-4(3H)-quinazolinone Conjugate and Its Antibacterial Activity. Advances in Pharmacological Sciences, 2019, 2019, 1-10.	3.7	6
104	Magnetic Mesocellular Foam Functionalized by Curcumin for Potential Multifunctional Therapeutics. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2077-2090.	0.8	6
105	Facile synthesis of new composite, Ag-Nps-loaded core/shell CdO/Co <sub>3</sub> O <sub>4</sub> NPs, characterization and excellent performance in antibacterial activity. Applied Nanoscience (Switzerland), 2021, 11, 419-428.	1.6	6
106	Antifungal Activity of Denture Base Resin Containing Nanozirconia: In Vitro Assessment of Candida albicans Biofilm. Scientific World Journal, The, 2021, 2021, 1-8.	0.8	6
107	Effect of Low Nanodiamond Concentrations and Polymerization Techniques on Physical Properties and Antifungal Activities of Denture Base Resin. Polymers, 2021, 13, 4331.	2.0	6
108	Flexural Properties, Impact Strength, and Hardness of Nanodiamond-Modified PMMA Denture Base Resin. International Journal of Biomaterials, 2022, 2022, 1-10.	1.1	6



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109	Formulation of amorphous ternary solid dispersions of dapagliflozin using PEG 6000 and Poloxamer 188: solid-state characterization, <i>in vivo</i> study, and molecular simulation assessment. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1458-1467.	0.9	5
110	Polymethylmethacrylate Incorporating Nanodiamonds for Denture Repair: In Vitro Study on the Mechanical Properties. <i>European Journal of Dentistry</i> , 2022, 16, 286-295.	0.8	5
111	CAD/CAM Fabricated Denture Base Resins: In Vitro Investigation of the Minimum Acceptable Denture Base Thickness. <i>Journal of Prosthodontics</i> , 2022, 31, 799-805.	1.7	5
112	Solar Photocatalytic and Antimicrobial Activity of Porous Indium-Doped TiO <sub>2</sub> Nanostructure. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5505-5522.	1.7	4
113	Mechanical, Surface, and Optical Properties of PMMA Denture Base Material Modified with <i>Azadirachta indica</i> as an Antifungal Agent. <i>Journal of Contemporary Dental Practice</i> , 2021, 22, 655-664.	0.2	4
114	Comparative Study of the Effectiveness of Laboratory-Formulated Polishing Pastes for Two CAD/CAM Ceramic Restorative Materials. <i>Journal of Prosthodontics</i> , 2022, 31, 529-536.	1.7	4
115	Natural fibers and reduced graphene oxide-based flexible paper electrode for energy storage applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 2222-2233.	1.1	4
116	Physicochemical Properties of Nanofluids Produced from Oxidized Nanoparticles Synthesized in a Liquid by Pulsed Laser Ablation. <i>Lasers in Manufacturing and Materials Processing</i> , 2022, 9, 18-36.	1.2	4
117	Fabrication of microelectrode ensembles on thin-film single electrodes: The degradation of electropolymerized benzene-1,3-diol films in caustic solutions. <i>Materials Express</i> , 2018, 8, 305-315.	0.2	3
118	A novel approach to produce monodisperse hollow pure silica spheres. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 477-485.	2.4	3
119	Intergrain connectivity in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> superconductor added with Dy <sub>2</sub> O <sub>3</sub> nanoparticles: AC susceptibility investigation. <i>Current Applied Physics</i> , 2021, 27, 89-97.	1.1	3
120	Preparation of graphene-coated anodic alumina substrates for selective molecular transport. <i>Carbon Letters</i> , 2020, 30, 23-33.	3.3	2
121	Closed Repair Technique: Innovative Surface Design for Polymethylmethacrylate Denture Base Repair. <i>Journal of Prosthodontics</i> , 2021, , .	1.7	2
122	The Bond Strength of a Universal Adhesive System with Silane to Lithium Disilicates in Comparison with an Isolated Silane Coupling Agent. <i>Journal of Prosthodontics</i> , 2022, 31, 512-520.	1.7	2
123	Structural, morphological, optical, and electrical studies of Tb-doped ZnO micropods elaborated by chemical bath deposition on a p-Si substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	2
124	Immobilization of oligonucleotide-functionalized magnetic nanobeads in DNA-coils studied by electron microscopy and atomic force microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1355, 1.	0.1	1
125	Characterization of Nanomaterials: Techniques and Tools. , 2020, , 23-43.		1
126	Structural, Physical, and Mechanical Analysis of ZnO and TiO <sub>2</sub> Nanoparticle-Reinforced Self-Adhesive Coating Restorative Material. <i>Materials</i> , 2021, 14, 7507.	1.3	1



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127	Template-free preparation of iron oxide loaded hollow silica spheres and their anticancer proliferation capabilities. RSC Advances, 2022, 12, 6791-6802.	1.7	1
128	Noncovalent Functionalization of Graphene in Suspension. ISRN Organic Chemistry, 2013, 2013, 1-7.	1.0	0
129	Synthesis of 29H,31H-phthalocyanine and chloro (29H,31H-phthalocyaninato) aluminum derivatives showed anti-cancer and anti-bacterial actions. Journal of Saudi Chemical Society, 2022, 26, 101436.	2.4	0
130	Mechanical, Surface, and Optical Properties of PMMA Denture Base Material Modified with an Antifungal Agent. Journal of Contemporary Dental Practice, 2021, 22, 655-664.	0.2	0