

Irshad Hussain

List of Publications by Year in descending order

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141
papers

7,875
citations

61857

43
h-index

56606

83
g-index

143
all docs

143
docs citations

143
times ranked

11937
citing authors

#	ARTICLE	IF	CITATIONS
1	Aligned two- and three-dimensional structures by directional freezing of polymers and nanoparticles. <i>Nature Materials</i> , 2005, 4, 787-793.	13.3	721
2	Combatting antibiotic-resistant bacteria using nanomaterials. <i>Chemical Society Reviews</i> , 2019, 48, 415-427.	18.7	695
3	Rational and Combinatorial Design of Peptide Capping Ligands for Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2004, 126, 10076-10084.	6.6	670
4	Size-Controlled Synthesis of Near-Monodisperse Gold Nanoparticles in the 1-4 nm Range Using Polymeric Stabilizers. <i>Journal of the American Chemical Society</i> , 2005, 127, 16398-16399.	6.6	331
5	Porous hypercrosslinked polymer-TiO ₂ -graphene composite photocatalysts for visible-light-driven CO ₂ conversion. <i>Nature Communications</i> , 2019, 10, 676.	5.8	278
6	Preparation of Acrylate-Stabilized Gold and Silver Hydrosols and Gold-Polymer Composite Films. <i>Langmuir</i> , 2003, 19, 4831-4835.	1.6	229
7	Design of Polymeric Stabilizers for Size-Controlled Synthesis of Monodisperse Gold Nanoparticles in Water. <i>Langmuir</i> , 2007, 23, 885-895.	1.6	158
8	Multifunctional microporous organic polymers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11930.	5.2	157
9	Layered microporous polymers by solvent knitting method. <i>Science Advances</i> , 2017, 3, e1602610.	4.7	135
10	Photoreductive synthesis of water-soluble fluorescent metal nanoclusters. <i>Chemical Communications</i> , 2012, 48, 567-569.	2.2	133
11	Formation of Spherical Nanostructures by the Controlled Aggregation of Gold Colloids. <i>Langmuir</i> , 2006, 22, 2938-2941.	1.6	108
12	Photocatalytic degradation of textile dyes on Cu ₂ O-CuO/TiO ₂ anatase powders. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2138-2146.	3.3	98
13	Advancements in the oral delivery of Docetaxel: challenges, current state-of-the-art and future trends. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3145-3161.	3.3	95
14	Protein-mediated synthesis, pH-induced reversible agglomeration, toxicity and cellular interaction of silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 511-518.	2.5	93
15	A Pt/Ru nanoparticulate system to study the bifunctional mechanism of electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2005, 581, 79-85.	1.9	92
16	Highly water-soluble magnetic iron oxide (Fe ₃ O ₄) nanoparticles for drug delivery: enhanced in vitro therapeutic efficacy of doxorubicin and MION conjugates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2874.	2.9	92
17	Emulsion-Templated Gold Beads Using Gold Nanoparticles as Building Blocks. <i>Advanced Materials</i> , 2004, 16, 27-30.	11.1	90
18	Biosurfactant coated silver and iron oxide nanoparticles with enhanced anti-biofilm and anti-adhesive properties. <i>Journal of Hazardous Materials</i> , 2019, 364, 441-448.	6.5	90

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19	Immobilized covalent triazine frameworks films as effective photocatalysts for hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 6596.	5.8	87
20	Novel POSS-based organic-inorganic hybrid porous materials by low cost strategies. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6542-6548.	5.2	81
21	Metal Nanoclusters: New Paradigm in Catalysis for Water Splitting, Solar and Chemical Energy Conversion. <i>ChemSusChem</i> , 2019, 12, 1517-1548.	3.6	81
22	Atomically monodisperse nickel nanoclusters as highly active electrocatalysts for water oxidation. <i>Nanoscale</i> , 2016, 8, 9695-9703.	2.8	80
23	A scalable synthesis of highly stable and water dispersible Ag ₄₄ (SR) ₃₀ nanoclusters. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10148.	5.2	74
24	Ultrasmall Ni/NiO Nanoclusters on Thiol-Functionalized and -Exfoliated Graphene Oxide Nanosheets for Durable Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019, 2, 363-371.	2.5	74
25	PVP-templated highly luminescent copper nanoclusters for sensing trinitrophenol and living cell imaging. <i>Nanoscale</i> , 2019, 11, 1286-1294.	2.8	69
26	Muskmelon (<i>Cucumis melo</i>) seed oil: A potential non-food oil source for biodiesel production. <i>Energy</i> , 2011, 36, 5632-5639.	4.5	63
27	Mechanically robust superhydrophobic coating from sawdust particles and carbon soot for oil/water separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 539, 391-398.	2.3	63
28	Folate grafted thiolated chitosan enveloped nanoliposomes with enhanced oral bioavailability and anticancer activity of docetaxel. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6240-6248.	2.9	62
29	Dopamine coated Fe ₃ O ₄ nanoparticles as enzyme mimics for the sensitive detection of bacteria. <i>Chemical Communications</i> , 2017, 53, 12306-12308.	2.2	62
30	Controlled Step Growth of Molecularly Linked Gold Nanoparticles: From Metallic Monomers to Dimers to Polymeric Nanoparticle Chains. <i>Langmuir</i> , 2009, 25, 1934-1939.	1.6	60
31	A superporous and superabsorbent glucuronoxylan hydrogel from quince (<i>Cydonia oblonga</i>): Stimuli responsive swelling, on-off switching and drug release. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 138-144.	3.6	56
32	Durable and self-healing superhydrophobic surfaces for building materials. <i>Materials Letters</i> , 2017, 192, 56-59.	1.3	54
33	A durable superhydrophobic coating for the protection of wood materials. <i>Materials Letters</i> , 2017, 203, 17-20.	1.3	54
34	Fabrication of superhydrophobic filter paper and foam for oil-water separation based on silica nanoparticles from sodium silicate. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 912-920.	1.1	53
35	Design and Utility of Metal/Metal Oxide Nanoparticles Mediated by Thioether End-Functionalized Polymeric Ligands. <i>Polymers</i> , 2016, 8, 156.	2.0	50
36	Gold Nanoparticles Supported on Fibrous Silica Nanospheres (KCC-1) as Efficient Heterogeneous Catalysts for CO Oxidation. <i>ChemCatChem</i> , 2016, 8, 1671-1678.	1.8	50

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37	Cationic Silver Nanoclusters as Potent Antimicrobials against Multidrug-Resistant Bacteria. ACS Omega, 2018, 3, 16721-16727.	1.6	50
38	Fundamental Sintering Studies of 2-Dimensional Gold Nanoparticle Arrays. Microscopy and Microanalysis, 2004, 10, 384-385.	0.2	49
39	Polymeric nanocapsules embedded with ultra-small silver nanoclusters for synergistic pharmacology and improved oral delivery of Docetaxel. Scientific Reports, 2018, 8, 13304.	1.6	49
40	Recent Advances in Electrocatalysts toward Alcohol-Assisted, Energy-Saving Hydrogen Production. ACS Applied Energy Materials, 2021, 4, 8685-8701.	2.5	49
41	Synthesis, characterization and evaluation of lecithin-based nanocarriers for the enhanced pharmacological and oral pharmacokinetic profile of amphotericin B. Journal of Materials Chemistry B, 2015, 3, 8359-8365.	2.9	46
42	Fabrication and Characterization of Thiolated Chitosan Microneedle Patch for Transdermal Delivery of Tacrolimus. AAPS PharmSciTech, 2020, 21, 68.	1.5	46
43	Polyhexamethylene biguanide functionalized cationic silver nanoparticles for enhanced antimicrobial activity. Nanoscale Research Letters, 2012, 7, 267.	3.1	45
44	Controlled engineering of nickel carbide induced N-enriched carbon nanotubes for hydrogen and oxygen evolution reactions in wide pH range. Electrochimica Acta, 2020, 341, 136032.	2.6	45
45	Site-Specific Ligation of DNA-Modified Gold Nanoparticles Activated by the Restriction Enzyme Styl. Small, 2007, 3, 67-70.	5.2	43
46	Control of Surface Tension at Liquid-Liquid Interfaces Using Nanoparticles and Nanoparticle-Protein Complexes. Langmuir, 2012, 28, 2023-2027.	1.6	43
47	In-situ synthesis of bi-modal hydrophobic silica nanoparticles for oil-water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 301-308.	2.3	42
48	Mannosylated thiolated polyethylenimine nanoparticles for the enhanced efficacy of antimonial drug against Leishmaniasis. Nanomedicine, 2018, 13, 25-41.	1.7	42
49	Efficient Synthesis of Ultrafine Gold Nanoparticles with Tunable Sizes in a Hyper-Cross-Linked Polymer for Nitrophenol Reduction. ACS Applied Nano Materials, 2019, 2, 546-553.	2.4	42
50	Synthesis of cellulose-metal nanoparticle composites: development and comparison of different protocols. Cellulose, 2014, 21, 395-405.	2.4	41
51	Design, characterization and evaluation of hydroxyethylcellulose based novel regenerable superabsorbent for heavy metal ions uptake and competitive adsorption. International Journal of Biological Macromolecules, 2017, 102, 170-180.	3.6	40
52	Topical delivery of curcumin-loaded transfersomes gel ameliorated rheumatoid arthritis by inhibiting NF- κ B pathway. Nanomedicine, 2021, 16, 819-837.	1.7	39
53	Paper and board mill effluent treatment with the combined biological-coagulation-filtration pilot scale reactor. Bioresource Technology, 2008, 99, 7383-7387.	4.8	38
54	Development of Silver-Nanoparticle-Decorated Emulsion-Templated Hierarchically Porous Poly(1-vinylimidazole) Beads for Water Treatment. ACS Applied Materials & Interfaces, 2017, 9, 24190-24197.	4.0	38

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55	Green synthesis of zinc oxide nanoparticles by Neem extract as multi-facet therapeutic agents. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 59, 101911.	1.4	38
56	Freeze-Align and Heat-Fuse: Microwires and Networks from Nanoparticle Suspensions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4573-4576.	7.2	37
57	Facile preparation of size-controlled gold nanoparticles using versatile and end-functionalized thioether polymer ligands. <i>Nanoscale</i> , 2011, 3, 1600.	2.8	37
58	Hollow mesoporous hydroxyapatite nanostructures; smart nanocarriers with high drug loading and controlled releasing features. <i>International Journal of Pharmaceutics</i> , 2018, 544, 112-120.	2.6	37
59	Hydrothermal synthesis of carbon nanodots from bovine gelatin and PHM3 microalgae strain for anticancer and bioimaging applications. <i>Nanoscale Advances</i> , 2019, 1, 2924-2936.	2.2	37
60	Facile Preparation of Highly Blue Fluorescent Metal Nanoclusters in Organic Media. <i>Journal of Physical Chemistry C</i> , 2012, 116, 448-455.	1.5	36
61	Carbon-dot wrapped ZnO nanoparticle-based photoelectrochemical sensor for selective monitoring of H ₂ O ₂ released from cancer cells. <i>Mikrochimica Acta</i> , 2019, 186, 127.	2.5	35
62	Polysaccharide-Based Superporous, Superabsorbent, and Stimuli Responsive Hydrogel from Sweet Basil: A Novel Material for Sustained Drug Release. <i>Advances in Polymer Technology</i> , 2019, 2019, 1-11.	0.8	35
63	Electron microscopy studies of the thermal stability of gold nanoparticle arrays. <i>Gold Bulletin</i> , 2009, 42, 133-143.	3.2	34
64	Glucuronoxylan-mediated silver nanoparticles: green synthesis, antimicrobial and wound healing applications. <i>RSC Advances</i> , 2017, 7, 42900-42908.	1.7	34
65	In situ growth of gold nanoparticles on latent fingerprints—from forensic applications to inkjet printed nanoparticle patterns. <i>Nanoscale</i> , 2010, 2, 2575.	2.8	33
66	Gd-Doped Ni-Oxychloride Nanoclusters: New Nanoscale Electrocatalysts for High-Performance Water Oxidation through Surface and Structural Modification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 468-479.	4.0	33
67	Lecithin-gold hybrid nanocarriers as efficient and pH selective vehicles for oral delivery of diacerein—in-vitro and in-vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 1-9.	2.5	32
68	Polysaccharide based superabsorbent hydrogel from <i>Mimosa pudica</i> : swelling-deswelling and drug release. <i>RSC Advances</i> , 2016, 6, 23310-23317.	1.7	32
69	Eco-Friendly Phosphorus and Nitrogen-Rich Inorganic-Organic Hybrid Hypercross-linked Porous Polymers via a Low-Cost Strategy. <i>Macromolecules</i> , 2021, 54, 5848-5855.	2.2	32
70	Carriers-mediated ferromagnetic enhancement in Al-doped ZnMnO dilute magnetic semiconductors. <i>Materials Characterization</i> , 2011, 62, 1102-1107.	1.9	30
71	Fundamentals and Design-Led Synthesis of Emulsion-Templated Porous Materials for Environmental Applications. <i>Advanced Science</i> , 2021, 8, e2102540.	5.6	30
72	Multifunctional porous NiCo bimetallic foams toward water splitting and methanol oxidation-assisted hydrogen production. <i>Energy Conversion and Management</i> , 2022, 254, 115262.	4.4	29

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73	Metal ions in the context of nanoparticles toward biological applications. <i>Current Opinion in Chemical Engineering</i> , 2014, 4, 88-96.	3.8	28
74	Controlled synthesis of uniform palladium nanoparticles on novel micro-porous carbon as a recyclable heterogeneous catalyst for the Heck reaction. <i>Dalton Transactions</i> , 2015, 44, 13906-13913.	1.6	28
75	Magnetic Hierarchically Macroporous Emulsion-Templated Poly(acrylic acid)–Iron Oxide Nanocomposite Beads for Water Remediation. <i>Langmuir</i> , 2019, 35, 8996-9003.	1.6	28
76	Supported polyoxometalates as emerging nano-hybrid materials for photochemical and photoelectrochemical water splitting. <i>Nanophotonics</i> , 2021, 10, 1595-1620.	2.9	28
77	Lysozyme-coated silver nanoparticles for differentiating bacterial strains on the basis of antibacterial activity. <i>Nanoscale Research Letters</i> , 2014, 9, 565.	3.1	27
78	Ultras-small Co@Co(OH) ₂ Nanoclusters Embedded in N-Enriched Mesoporous Carbon Networks as Efficient Electrocatalysts for Water Oxidation. <i>ChemSusChem</i> , 2019, 12, 5117-5125.	3.6	26
79	FTIR spectroscopy of freeze-dried human sera as a novel approach for dengue diagnosis. <i>Infrared Physics and Technology</i> , 2019, 102, 102998.	1.3	26
80	Sol–Gel Synthesis of Mesoporous Silica–Iron Composite: Kinetics, Equilibrium and Thermodynamics Studies for the Adsorption of Turquoise-Blue X-GB Dye. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 233-253.	1.4	26
81	A stimuli-responsive, superporous and non-toxic smart hydrogel from seeds of mugwort (<i>Artemisia</i>) Tj ETQq1 1 0.784314 rgBT /Over aceclofenac bioavailability. <i>RSC Advances</i> , 2020, 10, 19832-19843.	1.7	26
82	Nanosilver Mitigates Biofilm Formation via FapC Amyloidosis Inhibition. <i>Small</i> , 2020, 16, e1906674.	5.2	26
83	Synthesis of hierarchically porous inorganic–metal site-isolated nanocomposites. <i>Chemical Communications</i> , 2006, , 2539-2541.	2.2	25
84	Voltammetric detection of As(III) with Porphyridium cruentum based modified carbon paste electrode biosensor. <i>Biosensors and Bioelectronics</i> , 2014, 62, 242-248.	5.3	25
85	Synthesis of water-soluble and highly fluorescent gold nanoclusters for Fe ³⁺ sensing in living cells using fluorescence imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5608-5615.	2.9	24
86	Effect of Flavonoid-Coated Gold Nanoparticles on Bacterial Colonization in Mice Organs. <i>Nanomaterials</i> , 2020, 10, 1769.	1.9	24
87	Synthesis and use of self-assembled rhamnolipid microtubules as templates for gold nanoparticles assembly to form gold microstructures. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 332-335.	5.0	23
88	Influence of W-doping on the optical and electrical properties of SnO ₂ towards photocatalytic detoxification and electrocatalytic water splitting. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154247.	2.8	23
89	Facile Synthesis of Hypercrosslinked Hollow Microporous Organic Capsules for Electrochemical Sensing of Cu ²⁺ Ions. <i>Chemistry - A European Journal</i> , 2019, 25, 548-555.	1.7	22
90	Nanoparticles-assisted delivery of antiviral siRNA as inhalable treatment for human respiratory viruses: A candidate approach against SARS-CoV-2. <i>Nano Select</i> , 2020, 1, 612-621.	1.9	22

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91	Controlled development of higher-dimensional nanostructured copper oxide thin films as binder free electrocatalysts for oxygen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 16583-16590.	3.8	21
92	Living fungal hyphae-templated porous gold microwires using nanoparticles as building blocks. Journal of Nanoparticle Research, 2011, 13, 6747-6754.	0.8	20
93	Cell to rodent: toxicological profiling of folate grafted thiomers enveloped nanoliposomes. Toxicology Research, 2017, 6, 814-821.	0.9	20
94	Emulsions-directed assembly of gold nanoparticles to molecularly-linked and size-controlled spherical aggregates. Journal of Colloid and Interface Science, 2010, 350, 368-372.	5.0	19
95	Emulsion-templated poly(acrylamide)s by using polyvinyl alcohol (PVA) stabilized CO ₂ -in-water emulsions and their applications in tissue engineering scaffolds. RSC Advances, 2015, 5, 92017-92024.	1.7	19
96	Green synthesized selenium doped zinc oxide nano-antibiotic: synthesis, characterization and evaluation of antimicrobial, nanotoxicity and teratogenicity potential. Journal of Materials Chemistry B, 2020, 8, 8444-8458.	2.9	19
97	Synthesis of surface functionalized hollow microporous organic capsules for doxorubicin delivery to cancer cells. Polymer Chemistry, 2020, 11, 2110-2118.	1.9	19
98	Development of poly-L-lysine multi-functionalized muco-penetrating self-emulsifying drug delivery system (SEDDS) for improved solubilization and targeted delivery of ciprofloxacin against intracellular Salmonella typhi. Journal of Molecular Liquids, 2021, 333, 115972.	2.3	19
99	Metal nanoparticle assisted polymerase chain reaction for strain typing of Salmonella Typhi. Analyst, The, 2015, 140, 7366-7372.	1.7	18
100	Facile method to synthesize dopamine-capped mixed ferrite nanoparticles and their peroxidase-like activity. Journal Physics D: Applied Physics, 2017, 50, 11LT02.	1.3	18
101	Design, characterization and appraisal of chemically modified polysaccharide based mucilage from Ocimum basilicum (basil) seeds for the removal of Cd(II) from spiked high-hardness ground water. Journal of Molecular Liquids, 2019, 274, 15-24.	2.3	18
102	Catalysis by multifunctional polyelectrolyte capsules. RSC Advances, 2016, 6, 81569-81577.	1.7	17
103	Development of functionalized hollow microporous organic capsules encapsulating morphine – an in vitro and in vivo study. Journal of Materials Chemistry B, 2017, 5, 742-749.	2.9	17
104	Hollow Microporous Organic Capsules Loaded with Highly Dispersed Pt Nanoparticles for Catalytic Applications. Macromolecular Chemistry and Physics, 2014, 215, 1257-1263.	1.1	16
105	Synthesis, crystal structure, theoretical calculations, and electrochemical and biological studies of polymeric (N,N,N',N'-tetramethylethylenediamine)bis(thiocyanato- μ -N)copper(II), [Cu(tmeda)(NCS) ₂] _n . Polyhedron, 2015, 90, 252-257.	1.0	16
106	A proactive model on innovative biomedical applications of gold nanoparticles. Applied Nanoscience (Switzerland), 2020, 10, 2453-2465.	1.6	16
107	A pH-sensitive, stimuli-responsive, superabsorbent, smart hydrogel from psyllium (<i>Plantago</i>) Tj ETQq1 1 0.784314rgBT /Oyerlock 10	1.7	16
108	Controlled Assembly of Cu/CoOxide Beaded Nanoclusters on Thiolated Graphene Oxide Nanosheets for High-Performance Oxygen Evolution Catalysts. Chemistry - A European Journal, 2020, 26, 11209-11219.	1.7	15

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109	From porous gold nanocups to porous nanospheres and solid particles – A new synthetic approach. <i>Journal of Colloid and Interface Science</i> , 2015, 446, 59-66.	5.0	14
110	Polyacrylamide exotemplate-assisted synthesis of hierarchically porous nanostructured TiO ₂ macrobeads for efficient photodegradation of organic dyes and microbes. <i>RSC Advances</i> , 2018, 8, 29628-29636.	1.7	14
111	Bactericidal Effect of 5-Mercapto-2-nitrobenzoic Acid-Coated Silver Nanoclusters against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27994-28003.	4.0	14
112	Citric acid crosslinking of mucilage from <i>Cydonia oblonga</i> engenders a superabsorbent, pH-sensitive and biocompatible polysaccharide offering on-off swelling and zero-order drug release. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	14
113	Hyperbranched Polyethylenimine-Tethered Multiple Emulsion-Templated Hierarchically Macroporous Poly(acrylic acid)-Al ₂ O ₃ Nanocomposite Beads for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27400-27410.	4.0	14
114	Fabrication of PLA incorporated chitosan nanoparticles to create enhanced functional properties of cotton fabric. <i>Pigment and Resin Technology</i> , 2019, 48, 169-177.	0.5	13
115	Facile Synthesis of Ultrastable Fluorescent Copper Nanoclusters and Their Cellular Imaging Application. <i>Nanomaterials</i> , 2020, 10, 1678.	1.9	13
116	Facile preparation of silver nanocluster self-assemblies with aggregation-induced emission by equilibrium shifting. <i>Nanoscale</i> , 2021, 13, 14207-14213.	2.8	13
117	A smart drug delivery system based on <i>Artemisia vulgaris</i> hydrogel: Design, on-off switching, and real-time swelling, transit detection, and mechanistic studies. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101795.	1.4	13
118	Electrochemical sensing of limonene using thiol capped gold nanoparticles and its detection in the real breath sample of a cirrhotic patient. <i>Journal of Electroanalytical Chemistry</i> , 2022, 905, 115977.	1.9	12
119	Hydrogen storage and PL properties of novel Cd/CdO shelled hollow microspheres prepared under NH ₃ gas environment. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2332-2336.	3.8	11
120	Graphene Oxide Based Electrochemical Genosensor for Label Free Detection of Mycobacterium tuberculosis from Raw Clinical Samples. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 7339-7352.	3.3	11
121	Hydrophilic nanoparticles packed in oral tablets can improve the plasma profile of short half-life hydrophobic drugs. <i>RSC Advances</i> , 2016, 6, 94896-94904.	1.7	10
122	Fabrication of Emulsion-Templated Poly(vinylsulfonic acid)-Ag Nanocomposite Beads with Hierarchical Multimodal Porosity for Water Cleanup. <i>Langmuir</i> , 2019, 35, 13165-13173.	1.6	10
123	Synthesis of SPIONs-CNT Based Novel Nanocomposite for Effective Amperometric Sensing of First-Line Antituberculosis Drug Rifampicin. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2130-2137.	0.9	10
124	Molecular basis of Cd ²⁺ stress response in <i>Candida tropicalis</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 7715-7728.	1.7	9
125	Nanosilver at the interface of biomedical applications, toxicology, and synthetic strategies. , 2020, , 119-139.		9
126	Controlled Synthesis of TiO ₂ Nanostructures: Exceptional Hydrogen Production in Alcohol-Water Mixtures over Cu(OH) ₂ -Ni(OH) ₂ /TiO ₂ Nanorods. <i>ChemistrySelect</i> , 2017, 2, 7497-7507.	0.7	8

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127	Modification in surface properties of poly-allyl-diglycol-carbonate (CR-39) implanted by Au ⁺ ions at different fluences. <i>Materials Science-Poland</i> , 2016, 34, 468-478.	0.4	7
128	Synthesis of ultraviolet-curable modified polysiloxane and its surface properties. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2135-2139.	1.3	6
129	Identification and evaluation of novel drug combinations of Aurora kinase inhibitor CCT137690 for enhanced efficacy in oral cancer cells. <i>Cell Cycle</i> , 2019, 18, 2281-2292.	1.3	5
130	Sodium hydroxyethylcellulose adipate: An efficient and reusable sorbent for cadmium uptake from spiked high-hardness ground water. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2766-2777.	2.3	5
131	ATR-FTIR spectroscopy-based differentiation of hepatitis C and dengue infection in human freeze-dried sera. <i>Infrared Physics and Technology</i> , 2021, 118, 103912.	1.3	5
132	Development of gold nanoclusters based direct fluorescence restoration approach for sensitive and selective detection of pesticide. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 3411-3420.	1.6	4
133	Screening and stability testing of commercially applicable <i>Heliotropium crispum</i> silver nanoparticle formulation with control over aging and biostability. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1941-1956.	1.6	4
134	Evaluation of chemically modified polysaccharide pullulan as an efficient and regenerable supersorbent for heavy metal ions uptake from single and multiple metal ion systems. , 0, 78, 241-252.		3
135	Facile synthesis of metallized nanocontainers for the entrapment and controlled release of hydrophobic compounds. <i>Materials Letters</i> , 2013, 95, 78-81.	1.3	2
136	Dielectric studies of composite paper reinforced with polypyrrole coated pulp fibers from wasted egg holders. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	2
137	Synthesis and crystal structure of [azido-bis(cis-1,2-diaminocyclohexane)copper(II)] chloride trihydrate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018, 73, 259-263.	0.3	2
138	What are the Limitations in the Characterization of Self-Assembled Metamaterials using Advanced Microscopy Techniques?. <i>Microscopy and Microanalysis</i> , 2005, 11, .	0.2	0
139	Synthesis of Porous Materials via Multiscale Templating Approaches: Emulsions, Nanoparticles, Supercritical Fluids, and Directional Freezing. <i>Materials Research Society Symposia Proceedings</i> , 2006, 988, 1.	0.1	0
140	Seasonal variation's effect on antidiabetic activity of silver nanoparticles. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2020, 9, 1-6.	0.7	0
141	Topical delivery of curcumin-loaded transfersomes gel ameliorated rheumatoid arthritis by inhibiting NF- κ B pathway. , 2022, , .		0