

Muhammad Raza Shah

List of Publications by Year in descending order

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Version: 2024-02-01

183
papers

3,642
citations

136950

32
h-index

206112

48
g-index

184
all docs

184
docs citations

184
times ranked

4118
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal nanoparticles fabricated by green chemistry using natural extracts: biosynthesis, mechanisms, and applications. <i>RSC Advances</i> , 2019, 9, 24539-24559.	3.6	247
2	Comparative chemical profiling, cholinesterase inhibitions and anti-radicals properties of essential oils from <i>Polygonum hydropiper</i> L: A Preliminary anti- Alzheimer's study. <i>Lipids in Health and Disease</i> , 2015, 14, 141.	3.0	99
3	Antimicrobial activities of green synthesized gums-stabilized nanoparticles loaded with flavonoids. <i>Scientific Reports</i> , 2019, 9, 3122.	3.3	96
4	Rutin and rutin-conjugated gold nanoparticles ameliorate collagen-induced arthritis in rats through inhibition of NF- κ B and iNOS activation. <i>International Immunopharmacology</i> , 2018, 59, 310-317.	3.8	80
5	Chemical composition, antioxidant and anticholinesterase potentials of essential oil of <i>Rumex hastatus</i> D. Don collected from the North West of Pakistan. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 29.	3.7	78
6	Gum tragacanth stabilized green gold nanoparticles as cargos for Naringin loading: A morphological investigation through AFM. <i>Carbohydrate Polymers</i> , 2017, 174, 243-252.	10.2	72
7	Biofilm inhibitory effect of chlorhexidine conjugated gold nanoparticles against <i>Klebsiella pneumoniae</i> . <i>Microbial Pathogenesis</i> , 2016, 98, 50-56.	2.9	66
8	Synthesis of chitosan coated metal organic frameworks (MOFs) for increasing vancomycin bactericidal potentials against resistant <i>S. aureus</i> strain. <i>Materials Science and Engineering C</i> , 2019, 105, 110111.	7.3	61
9	Complete degradation of dimethyl phthalate by biochemical cooperation of the <i>Bacillus thuringiensis</i> strain isolated from cotton field soil. <i>RSC Advances</i> , 2014, 4, 55960-55966.	3.6	60
10	Identification and characterization of antibacterial compound(s) of cockroaches (<i>Periplaneta</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	3.6	60
11	Glycoside-based niosomal nanocarrier for enhanced in-vivo performance of Cefixime. <i>International Journal of Pharmaceutics</i> , 2016, 505, 122-132.	5.2	59
12	Morphological analysis of the antimicrobial action of silver and gold nanoparticles stabilized with ceftriaxone on <i>Escherichia coli</i> using atomic force microscopy. <i>New Journal of Chemistry</i> , 2014, 38, 5633-5640.	2.8	56
13	Silver nanoparticle conjugation affects antiacanthamoebic activities of amphotericin B, nystatin, and fluconazole. <i>Parasitology Research</i> , 2018, 117, 265-271.	1.6	54
14	Thermo-catalytic decomposition of polystyrene waste: Comparative analysis using different kinetic models. <i>Waste Management and Research</i> , 2020, 38, 202-212.	3.9	53
15	Gum acacia stabilized silver nanoparticles based nano-cargo for enhanced anti-arthritis potentials of hesperidin in adjuvant induced arthritic rats. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 597-607.	2.8	50
16	Design and development of permeation enhancer containing self-nanoemulsifying drug delivery system (SNEDDS) for ceftriaxone sodium improved oral pharmacokinetics. <i>Journal of Molecular Liquids</i> , 2019, 289, 111098.	4.9	48
17	Silver Nanoparticle Conjugation-Enhanced Antibacterial Efficacy of Clinically Approved Drugs Cephadrine and Vildagliptin. <i>Antibiotics</i> , 2018, 7, 100.	3.7	47
18	Gold Nanoparticle-Conjugated Cinnamic Acid Exhibits Antiacanthamoebic and Antibacterial Properties. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	47

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19	Synthesis, characterization and evaluation of lecithin-based nanocarriers for the enhanced pharmacological and oral pharmacokinetic profile of amphotericin B. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8359-8365.	5.8	46
20	Pyrolysis of Expanded Waste Polystyrene: Influence of Nickel-Doped Copper Oxide on Kinetics, Thermodynamics, and Product Distribution. <i>Energy & Fuels</i> , 2019, 33, 12666-12678.	5.1	45
21	Zinc oxide nanoparticles conjugated with clinically-approved medicines as potential antibacterial molecules. <i>AMB Express</i> , 2021, 11, 104.	3.0	45
22	Govanoside A, a new steroidal saponin from rhizomes of <i>Trillium govanianum</i> . <i>Steroids</i> , 2015, 104, 270-275.	1.8	43
23	Sugar-based novel niosomal nanocarrier system for enhanced oral bioavailability of levofloxacin. <i>Drug Delivery</i> , 2016, 23, 3653-3664.	5.7	43
24	Silymarin coated gold nanoparticles ameliorates CCl ₄ -induced hepatic injury and cirrhosis through down regulation of hepatic stellate cells and attenuation of Kupffer cells. <i>RSC Advances</i> , 2014, 4, 9012-9020.	3.6	41
25	Development of a biocompatible creatinine-based niosomal delivery system for enhanced oral bioavailability of clarithromycin. <i>Drug Delivery</i> , 2016, 23, 3480-3491.	5.7	41
26	Gold Nanoparticle Conjugation Enhances the Antiacanthamoebic Effects of Chlorhexidine. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 1283-1288.	3.2	40
27	Fabrication of lecithin-gum tragacanth muco-adhesive hybrid nano-carrier system for in-vivo performance of Amphotericin B. <i>Carbohydrate Polymers</i> , 2018, 194, 89-96.	10.2	39
28	Synthesis and characterisation of calix[4]arene based bis(triazole)-bis(hexahydroquinoline): Probing highly selective fluorescence quenching towards mercury (Hg ²⁺) analyte. <i>Journal of Hazardous Materials</i> , 2018, 347, 349-358.	12.4	38
29	A hypoxia-responsive supramolecular formulation for imaging-guided photothermal therapy. <i>Theranostics</i> , 2022, 12, 396-409.	10.0	36
30	Polystyrene-block-poly(2-vinylpyridine)-conjugated silver nanoparticles as colorimetric sensor for quantitative determination of Cartap in aqueous media and blood plasma. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 878-887.	7.8	35
31	Green synthesis and molecular recognition ability of patuletin coated gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2015, 63, 499-505.	10.1	34
32	Anionic azo dyes removal from water using amine-functionalized cobalt-iron oxide nanoparticles: a comparative time-dependent study and structural optimization towards the removal mechanism. <i>RSC Advances</i> , 2020, 10, 1021-1041.	3.6	34
33	Antiamoebic activity of plant-based natural products and their conjugated silver nanoparticles against <i>Acanthamoeba castellanii</i> (ATCC 50492). <i>AMB Express</i> , 2020, 10, 24.	3.0	34
34	Supramolecular Bioimaging through Signal Amplification by Combining Indicator Displacement Assay with Förster Resonance Energy Transfer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19614-19619.	13.8	33
35	Synthesis of new bergenin derivatives as potent inhibitors of inflammatory mediators NO and TNF- α . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2744-2747.	2.2	32
36	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.	5.0	32

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37	Synthesis, characterization and Cu ²⁺ triggered selective fluorescence quenching of Bis-calix[4]arene tetra-triazole macrocycle. <i>Journal of Hazardous Materials</i> , 2016, 309, 97-106.	12.4	32
38	Clinically Approved Drugs against CNS Diseases as Potential Therapeutic Agents To Target Brain-Eating Amoebae. <i>ACS Chemical Neuroscience</i> , 2019, 10, 658-666.	3.5	32
39	GABAA receptor modulation and neuropharmacological activities of viscosine isolated from <i>Dodonaea viscosa</i> (Linn). <i>Pharmacology Biochemistry and Behavior</i> , 2015, 136, 64-72.	2.9	30
40	Cefuroxime derived copper nanoparticles and their application as a colorimetric sensor for trace level detection of picric acid. <i>RSC Advances</i> , 2016, 6, 82882-82889.	3.6	30
41	Gold Nanoparticles Conjugation Enhances Antiacanthamoebic Properties of Nystatin, Fluconazole and Amphotericin B. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 171-177.	2.1	30
42	Cytotoxic effects of Benzodioxane, Naphthalene diimide, Porphyrin and Acetamol derivatives on HeLa cells. <i>SAGE Open Medicine</i> , 2018, 6, 205031211878196.	1.8	29
43	Design and synthesis of mixed micellar system for enhanced anticancer efficacy of Paclitaxel through its co-delivery with Naringin. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 703-714.	2.0	29
44	Double-tailed acyl glycoside niosomal nanocarrier for enhanced oral bioavailability of Cefixime. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1440-1451.	2.8	28
45	<i>trans</i> -Cinnamic Acid Conjugated Gold Nanoparticles as Potent Therapeutics against Brain-Eating Amoeba <i>Naegleria fowleri</i> . <i>ACS Chemical Neuroscience</i> , 2019, 10, 2692-2696.	3.5	28
46	Beneficial Effects of <i>Trillium govanianum</i> Rhizomes in Pain and Inflammation. <i>Molecules</i> , 2016, 21, 1095.	3.8	27
47	Green synthesis of methyl gallate conjugated silver nanoparticles: a colorimetric probe for gentamicin. <i>New Journal of Chemistry</i> , 2019, 43, 1972-1979.	2.8	26
48	Electrospun Nanofiber-Based Viroblock/ZnO/PAN Hybrid Antiviral Nanocomposite for Personal Protective Applications. <i>Nanomaterials</i> , 2021, 11, 2208.	4.1	25
49	Protein tyrosine phosphatase 1B inhibitors isolated from <i>Artemisia roxburghiana</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 563-567.	5.2	24
50	Synthesis of 4-(dimethylamino)pyridine propylthioacetate coated gold nanoparticles and their antibacterial and photophysical activity. <i>Journal of Nanobiotechnology</i> , 2018, 16, 6.	9.1	24
51	Combination Therapy of Clinically Approved Antifungal Drugs Is Enhanced by Conjugation with Silver Nanoparticles. <i>International Microbiology</i> , 2019, 22, 239-246.	2.4	24
52	Amberlite IR-120H as a recyclable catalyst for the synthesis of 1,8-dioxo-octahydroxanthene analogs and their evaluation as potential leishmanicidal agents. <i>RSC Advances</i> , 2013, 3, 21753.	3.6	23
53	Oleic acid conjugated silver nanoparticles as efficient antiamebic agent against <i>Acanthamoeba castellanii</i> . <i>Parasitology Research</i> , 2019, 118, 2295-2304.	1.6	23
54	Kinetics of pyrolysis of sugarcane bagasse: effect of catalyst on activation energy and yield of pyrolysis products. <i>Cellulose</i> , 2021, 28, 7593-7607.	4.9	23

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55	Formulation and stabilization of riboflavin in liposomal preparations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 358-366.	3.8	22
56	Photochemotherapeutic Strategy against <i>Acanthamoeba</i> Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3031-3041.	3.2	21
57	Phytochemicals from <i>Dodonaea viscosa</i> and their antioxidant and anticholinesterase activities with structure-activity relationships. <i>Pharmaceutical Biology</i> , 2016, 54, 1649-1655.	2.9	21
58	Biogenic Silver Nanoparticles for Trace Colorimetric Sensing of Enzyme Disrupter Fungicide Vinclozolin. <i>Nanomaterials</i> , 2019, 9, 1604.	4.1	21
59	Ranolazine-Functionalized Copper Nanoparticles as a Colorimetric Sensor for Trace Level Detection of As ³⁺ . <i>Nanomaterials</i> , 2019, 9, 83.	4.1	21
60	Bactericidal potentials of silver and gold nanoparticles stabilized with cefixime: a strategy against antibiotic-resistant bacteria. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	21
61	Synthesis and meticulous molecular, morphological and thermal characterization of linear and star-shaped polycaprolactones. <i>RSC Advances</i> , 2016, 6, 98117-98127.	3.6	20
62	Opuntioside, opuntiol and its metallic nanoparticles attenuate adjuvant-induced arthritis: Novel suppressors of Toll-like receptors -2 and -4. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108624.	5.6	20
63	Synthesis and characterization of maltol capped silver nanoparticles and their potential application as an antimicrobial agent and colorimetric sensor for cysteine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 118002.	3.9	20
64	Creatinine-based non-phospholipid vesicular carrier for improved oral bioavailability of Azithromycin. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1011-1022.	2.0	19
65	Synthesis of biocompatible triazole based non-ionic surfactant and its vesicular drug delivery investigation. <i>Chemistry and Physics of Lipids</i> , 2020, 228, 104894.	3.2	19
66	Moxifloxacin-capped noble metal nanoparticles as potential urease inhibitors. <i>New Journal of Chemistry</i> , 2015, 39, 8080-8086.	2.8	18
67	Evaluation of morphology, aggregation pattern and size-dependent drug-loading efficiency of gold nanoparticles stabilised with poly (2-vinyl pyridine). <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	18
68	Size selectivity in antibiofilm activity of 3-(diphenylphosphino)propanoic acid coated gold nanomaterials against Gram-positive <i>Staphylococcus aureus</i> and <i>Streptococcus mutans</i> . <i>AMB Express</i> , 2017, 7, 210.	3.0	18
69	Enhanced electrochemical response of a modified glassy carbon electrode by poly(2-vinylpyridine- <i>b</i> -methyl methacrylate) conjugated gold nanoparticles for detection of nicotine. <i>RSC Advances</i> , 2018, 8, 35776-35786.	3.6	18
70	Hemolytic and cellular toxicology of a sulfanilamide-based nonionic surfactant: a niosomal carrier for hydrophobic drugs. <i>Toxicology Research</i> , 2018, 7, 771-778.	2.1	18
71	Enhanced Antibacterial Potential of Naringin Loaded β Cyclodextrin Nanoparticles. <i>Journal of Cluster Science</i> , 2022, 33, 339-348.	3.3	18
72	Triazole-based highly selective supramolecular sensor for the detection of diclofenac in real samples. <i>Ecotoxicology and Environmental Safety</i> , 2016, 129, 103-108.	6.0	17

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73	Novel fluorene-based supramolecular sensor for selective detection of amoxicillin in water and blood. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 25-29.	6.0	17
74	Synthesis of Sulfur-Based Biocompatible Nonionic Surfactants and Their Nano-Vesicle Drug Delivery. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 1367-1375.	2.1	17
75	A Facile Approach Based on Functionalized Silver Nanoparticles as a Chemosensor for the Detection of Paraquat. <i>Journal of Cluster Science</i> , 2022, 33, 413-420.	3.3	17
76	Synthesis of pH responsive, photocrosslinked gelatin-based hydrogel system for control release of ceftriaxone. <i>Chemistry and Physics of Lipids</i> , 2021, 238, 105101.	3.2	17
77	Supramolecular imaging of spermine in cancer cells. <i>Nanoscale</i> , 2021, 13, 15362-15368.	5.6	17
78	Pyrolysis of polypropylene over zeolite mordenite ammonium: kinetics and products distribution. <i>Journal of Polymer Engineering</i> , 2019, 39, 785-793.	1.4	16
79	Calix[4]arene Derivative-Modified Glassy Carbon Electrode: A New Sensing Platform for Rapid, Simultaneous, and Picomolar Detection of Zn(II), Pb(II), As(III), and Hg(II). <i>ACS Omega</i> , 2019, 4, 16860-16866.	3.5	16
80	Enhanced therapeutic efficacy of clotrimazole by delivery through poly(ethylene Terephthalate) (PET) nanofibers. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 47769.	2.6	16
81	Synthesis of lactobionic acid based bola-amphiphiles and its application as nano-carrier for curcumin delivery to cancer cell cultures in-vitro. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119897.	5.2	16
82	Antidiabetic Drugs and Their Nanoconjugates Repurposed as Novel Antimicrobial Agents against <i>Acanthamoeba castellanii</i> . <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 713-720.	2.1	16
83	Nepetolide: A New Diterpene from <i>Nepeta suaveis</i> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 591-594.	0.7	15
84	Protein-drug nanoconjugates: Finding the alternative proteins as drug carrier. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 131-145.	7.5	15
85	N-(2-hydroxyphenyl)acetamide and its gold nanoparticle conjugation prevent glycerol-induced acute kidney injury by attenuating inflammation and oxidative injury in mice. <i>Molecular and Cellular Biochemistry</i> , 2019, 450, 43-52.	3.1	15
86	Synthesis of novel biocompatible resorcinarene based nanosized dendrimer-vesicles for enhanced anti-bacterial potential of quercetin. <i>Journal of Molecular Liquids</i> , 2021, 341, 116921.	4.9	15
87	Metronidazole conjugated magnetic nanoparticles loaded with amphotericin B exhibited potent effects against pathogenic <i>Acanthamoeba castellanii</i> belonging to the T4 genotype. <i>AMB Express</i> , 2020, 10, 127.	3.0	15
88	Molecular simulations of bergenin as a new urease inhibitor. <i>Medicinal Chemistry Research</i> , 2012, 21, 2454-2457.	2.4	14
89	Molecular insights to explore abietane diterpenes as new LOX inhibitors. <i>Medicinal Chemistry Research</i> , 2013, 22, 5809-5813.	2.4	14
90	Anticholinesterase and antioxidant potentials of <i>Nonea micrantha</i> Bioss. & Reut along with GC-MS analysis. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 499.	3.7	14

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91	Convenient pH-responsive removal of Acid Black 1 by green <sc>l</sc>-histidine/iron oxide magnetic nanoadsorbent from water: performance and mechanistic studies. RSC Advances, 2019, 9, 2978-2996.	3.6	14
92	Enhancement in Oral Absorption of Ceftriaxone by Highly Functionalized Magnetic Iron Oxide Nanoparticles. Pharmaceutics, 2020, 12, 492.	4.5	14
93	Hydrophilically modified self-assembling Î±-tocopherol derivative as niosomal nanocarrier for improving clarithromycin oral bioavailability. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 568-578.	2.8	13
94	Oleic Acid Coated Silver Nanoparticles Showed Better <i>in Vitro</i> Amoebicidal Effects against <i>Naegleria fowleri</i> than Amphotericin B. ACS Chemical Neuroscience, 2020, 11, 2431-2437.	3.5	13
95	Amphiphilic p-sulfonatocalix[6]arene based self-assembled nanostructures for enhanced clarithromycin activity against resistant Streptococcus Pneumoniae. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110676.	5.0	13
96	Transcriptome analysis of Escherichia coli K1 after therapy with hesperidin conjugated with silver nanoparticles. BMC Microbiology, 2021, 21, 51.	3.3	13
97	Design and development of lipid modified chitosan containing muco-adhesive self-emulsifying drug delivery systems for cefixime oral delivery. Chemistry and Physics of Lipids, 2021, 235, 105052.	3.2	13
98	Moxifloxacin and Sulfamethoxazole-Based Nanocarriers Exhibit Potent Antibacterial Activities. Antibiotics, 2021, 10, 964.	3.7	13
99	Thio-pyridinium capped silver nanoparticle based supramolecular recognition of Cu(<sc>i</sc>) in real samples and T-lymphocytes. New Journal of Chemistry, 2016, 40, 6480-6486.	2.8	12
100	Nano-conjugates of Cefadroxil as Efficient Antibacterial Agent Against Staphylococcus aureus ATCC 11632. Journal of Cluster Science, 2020, 31, 811-821.	3.3	12
101	Colorimetric sensing of cephradine through polypropylene glycol functionalized gold nanoparticles. Royal Society Open Science, 2021, 8, 210185.	2.4	12
102	Highly selective, sensitive and simpler colorimetric sensor for Fe ²⁺ detection based on biosynthesized gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119645.	3.9	12
103	Green synthesis of silver and gold nanoparticles using <i>Crataegus oxyacantha</i> extract and their urease inhibitory activities. Biotechnology and Applied Biochemistry, 2021, 68, 992-1002.	3.1	11
104	New dimeric and trimeric coumarin glucosides from Daphne retusa Hemsl. FÃtoterapÃAç, 2013, 88, 19-24.	2.2	10
105	The anti-inflammatory properties of AuÃscopoletin nanoconjugates. New Journal of Chemistry, 2014, 38, 5566-5572.	2.8	10
106	Hepatoprotective and urease inhibitory activities of garlic conjugated gold nanoparticles. New Journal of Chemistry, 2015, 39, 5003-5007.	2.8	10
107	Isoniazid Conjugated Magnetic Nanoparticles Loaded with Amphotericin B as a Potent Antiamoebic Agent against Acanthamoeba castellanii. Antibiotics, 2020, 9, 276.	3.7	10
108	Ultra-trace level voltammetric sensor for MB in human plasma based on a carboxylic derivative of Calix[4]resorcinarene capped silver nanoparticles. Journal of Industrial and Engineering Chemistry, 2022, 107, 81-92.	5.8	10

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109	Hepatoprotective activity of viscosine is mediated by attenuation of hepatic macrophages and iNOS expression in CCl ₄ -intoxicated rats. <i>Toxicology Research</i> , 2016, 5, 1688-1698.	2.1	9
110	Biological and phytochemical studies on <i>Capparis decidua</i> (Forssk) Edgew from Cholistan desert. <i>Natural Product Research</i> , 2020, 34, 2315-2318.	1.8	9
111	Synthesis of long-tail nonionic surfactants and their investigation for vesicle formation, drug entrapment, and biocompatibility. <i>Journal of Liposome Research</i> , 2020, 30, 255-262.	3.3	9
112	Application of synthesized copper nanoparticles using aqueous extract of <i>Ziziphus mauritiana</i> L. leaves as a colorimetric sensor for the detection of Ag ⁺ . <i>Turkish Journal of Chemistry</i> , 2020, 44, 1376-1385.	1.2	9
113	Cholate Conjugated Polymeric Amphiphiles as Efficient Artificial Ionophores. <i>ACS Applied Polymer Materials</i> , 2021, 3, 588-593.	4.4	9
114	Rapid Synthesis of Gold Nanoparticles from <i>Quercus incana</i> and Their Antimicrobial Potential against Human Pathogens. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 29.	2.5	8
115	Preliminary investigation of novel tetra-tailed macrocycle amphiphile based nano-vesicles for amphotericin B improved oral pharmacokinetics. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1204-1214.	2.8	8
116	Simple and cost-effective approach to synthesis of iron magnesium oxide nanoparticles using <i>Alstonia scholaris</i> and <i>Polyalthia longifolia</i> leaves extracts and their antimicrobial, antioxidant and larvicidal activities. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2479-2488.	3.1	8
117	Enhanced Antibacterial Potential of Amoxicillin against <i>Helicobacter pylori</i> Mediated by Lactobionic Acid Coated Zn-MOFs. <i>Antibiotics</i> , 2021, 10, 1071.	3.7	8
118	Hesperidin-, Curcumin-, and Amphotericin B- Based Nano-Formulations as Potential Antibacterials. <i>Antibiotics</i> , 2022, 11, 696.	3.7	8
119	2,3-Pyridine dicarboxylic acid functionalized gold nanoparticles: Insight into experimental conditions for Cr ³⁺ sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 241-250.	3.9	7
120	Synthesis and characterization of triazole based supramolecule for interaction with cefuroxime in tap water and blood plasma. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 49-54.	6.0	7
121	Fabrication of Xanthan stabilized green gold nanoparticles based tolbutamide delivery system for enhanced insulin secretion in mice pancreatic islets. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2018, 55, 729-735.	2.2	7
122	Synthesis, Characterization, and Computational Study of New Ferrocene-Based Schiff Bases as Potential Nonionic Surfactants. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 897-906.	2.1	7
123	Galactosylated iron oxide nanoparticles for enhancing oral bioavailability of ceftriaxone. <i>Pharmaceutical Development and Technology</i> , 2021, 26, 291-301.	2.4	7
124	Synthesis and characterization of pyridine-based organic salts: Their antibacterial, antibiofilm and wound healing activities. <i>Bioorganic Chemistry</i> , 2020, 100, 103937.	4.1	7
125	Enhancing efficacy of existing antibacterials against selected multiple drug resistant bacteria using cinnamic acid-coated magnetic iron oxide and mesoporous silica nanoparticles. <i>Pathogens and Global Health</i> , 2022, 116, 438-454.	2.3	7
126	Novel Plant-Based Metabolites as Disinfectants against <i>Acanthamoeba castellanii</i> . <i>Antibiotics</i> , 2022, 11, 248.	3.7	7

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127	Supramolecular chemosensor for selective detection of iron in aqueous medium. <i>Supramolecular Chemistry</i> , 2013, 25, 798-805.	1.2	6
128	Nanoparticles decorated with a Schiff's base for the microextraction of Cd, Pb, Ni, and Co in environmental samples. <i>Journal of Separation Science</i> , 2016, 39, 1717-1724.	2.5	6
129	Synthesis of vildagliptin conjugated metal nanoparticles for type II diabetes control: targeting the DPP-IV enzyme. <i>New Journal of Chemistry</i> , 2020, 44, 20853-20860.	2.8	6
130	Trace Level Colorimetric Hg ²⁺ Sensor Driven by Citrus japonica Leaf Extract Derived Silver Nanoparticles: Green Synthesis and Application. <i>Journal of Cluster Science</i> , 2022, 33, 1865-1875.	3.3	6
131	Essential Oil Composition of Galium asperifolium. <i>Chemistry of Natural Compounds</i> , 2016, 52, 512-513.	0.8	5
132	Synthesis and characterization of a plant growth regulator based silver nanoparticles for the ultrasensitive detection of environmentally toxic Hg ²⁺ ions in tap water. <i>New Journal of Chemistry</i> , 2021, 45, 18039-18047.	2.8	5
133	Green synthesis of silver nanoparticles from Valeriana jatamansi shoots extract and its antimicrobial activity. <i>Green Processing and Synthesis</i> , 2020, 9, 715-721.	3.4	5
134	Synthesis of Ribose-Coated Copper-Based Metal-Organic Framework for Enhanced Antibacterial Potential of Chloramphenicol against Multi-Drug Resistant Bacteria. <i>Antibiotics</i> , 2021, 10, 1469.	3.7	5
135	Chemical Composition and Antifungal Activity of the Essential Oil of Galium tricorntum subsp. longipedunculatum from Pakistan. <i>Chemistry of Natural Compounds</i> , 2015, 51, 164-165.	0.8	4
136	Sonochemically synthesized green sorbent for the simultaneous removal of trace metal ions: application and estimation of measurement uncertainty through bottom-up approach. <i>New Journal of Chemistry</i> , 2017, 41, 11695-11700.	2.8	4
137	Isolation of Bacillus cereus from botanical soil and subsequent biodegradation of waste engine oil. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 1453-1466.	3.5	4
138	Revelation of susceptibility differences due to Hg(II) accumulation in Streptococcus pyogenes against CX-AgNPs and Cefixime by atomic force microscopy. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 9-16.	6.0	4
139	The selectivity of poly(2-vinylpyridine- <i>block</i> -methyl methacrylate) copolymer films: an AFM study. <i>RSC Advances</i> , 2019, 9, 16455-16466.	3.6	4
140	Synthesis and Characterization of Sulfanilamide-Based Nonionic Surfactants and Evaluation of Their Nano-vesicular Drug Loading Application. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 973-980.	2.1	4
141	Simultaneous Colorimetric Sensing of Anion (I ⁻) and Cation (Fe ²⁺) by Protein Functionalized Silver Nanoparticles in Real Samples. <i>Journal of Cluster Science</i> , 0, , 1.	3.3	4
142	Sodium dodecylbenzenesulfonate-based silver nanoparticles and their potent application as antibiofilm, antimicrobial agent, and trace level determination of amlodipine. <i>Plasmonics</i> , 2021, 16, 379-393.	3.4	4
143	Highly selective nanomolar level colorimetric sensing of Cr ³⁺ through biosynthesized gold nanoparticles in the presence of Cr ⁶⁺ . <i>Optik</i> , 2021, 248, 168188.	2.9	4
144	Synthesis and Characterization of Functionalized Silver Nanoparticles for Selective Screening of Mercury (II) Ions. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 7135-7145.	3.0	4

#	ARTICLE	IF	CITATIONS
145	Conjugation of Antimicrobial Peptide to Zinc Phthalocyanine for an Efficient Photodynamic Antimicrobial Chemotherapy. <i>Coatings</i> , 2022, 12, 200.	2.6	4
146	Sterically stabilized fluorescent silver nanoconjugates for optical discrimination of Cu(II) in real samples and in vitro bioimaging of the Cu(II) scavenging process in human lymphocytes by atomic force microscopy. <i>New Journal of Chemistry</i> , 2016, 40, 5546-5554.	2.8	3
147	Nanocatalyzed biodiesel synthesis from the oily contents of Marine brown alga <i>Dictyota dichotoma</i> . <i>International Journal of Green Energy</i> , 2017, 14, 925-933.	3.8	3
148	Synthesis and characterization of poly (2-acrylamido-2-methyl-1-propane sulfonic acid functionalized graphene oxide embedded electrolyte membrane using DOE for PEMFC). <i>International Journal of Energy Research</i> , 2020, 44, 10354-10377.	4.5	3
149	Enhanced Antibacterial Activity of Non-Antibacterial Drug Candesartan Cilexetil by Delivery through Polymeric Micelles. <i>ChemistrySelect</i> , 2020, 5, 3605-3612.	1.5	3
150	Supramolecular Bioimaging through Signal Amplification by Combining Indicator Displacement Assay with Förster Resonance Energy Transfer. <i>Angewandte Chemie</i> , 2021, 133, 19766-19771.	2.0	3
151	Synthesis, characterization and drug delivery application of Dapsone based double tailed biocompatible nonionic surfactant. <i>Chemistry and Physics of Lipids</i> , 2021, 239, 105115.	3.2	3
152	Synthesis and Photonics Applications of Afzelechin Conjugated Silver Nanoparticles. <i>Coatings</i> , 2021, 11, 1295.	2.6	3
153	Antiamoebic Properties of Metabolites against <i>Naegleria fowleri</i> and <i>Balamuthia mandrillaris</i> . <i>Antibiotics</i> , 2022, 11, 539.	3.7	3
154	Synthesis and bioactivities of silver nanoparticles capped with 5-Amino-?-resorcylic acid hydrochloride dihydrate. <i>Journal of Nanobiotechnology</i> , 2014, 12, 34.	9.1	2
155	Characterizing kidney structures in health and diseases using eosin fluorescence from hematoxylin and eosin stained sections. <i>Journal of Histotechnology</i> , 2016, 39, 107-115.	0.5	2
156	Chromium scavenging ability of silver nanoparticles in human erythrocytes, real samples and their effect on the catalase enzyme. <i>New Journal of Chemistry</i> , 2016, 40, 3793-3802.	2.8	2
157	Pyrazinium thioacetate capped gold nanoparticles as Fe(III) sensor and Fe(III) marked anti-proliferating agent in human neuroblastoma cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 135-140.	3.9	2
158	Synthesis and biocompatibility of self-assembling multi-tailed resorcinarene-based supramolecular amphiphile. <i>Colloid and Polymer Science</i> , 2020, 298, 331-339.	2.1	2
159	Morphological selectivity of the films of linear and star-shaped poly (ϵ -caprolactone). <i>Journal of Materials Science</i> , 2021, 56, 7334-7347.	3.7	2
160	Synthesis of Emulsion by Using Vegetable Oil Modified by Titanium Dioxide (TiO ₂) Nanoparticles: A Peculiar Source for Synthesis of Bio-Based Lubricant and Novel Approach to Enhance the Efficiency of Emulsion. <i>European Journal of Lipid Science and Technology</i> , 2021, 123, 2000280.	1.5	2
161	Evaluation of In-vitro Antimicrobial Potential of <i>Daphne retusa</i> Hemsl. Against Human Pathogenic Bacteria and Fungi. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 779-786.	2.1	2
162	Synthesis of Nitrogen Containing Biocompatible Non-ionic Surfactants and Investigation for Their Self-Assembly Based Nano-Scale Vesicles. <i>Tenside, Surfactants, Detergents</i> , 2019, 56, 35-42.	1.2	2

#	ARTICLE	IF	CITATIONS
163	Production of Liquid Fuel from Polystyrene Waste: Process Optimization and Characterization of Pyrolyzates. <i>Combustion Science and Technology</i> , 0, , 1-14.	2.3	2
164	Highly Sensitive Voltammetric Determination of Acrylamide Based on Ibuprofen Capped Mercury Nanoparticles. <i>Sensors</i> , 2021, 21, 7302.	3.8	2
165	Utilization of transition metal fluoride-based solid support catalysts for the synthesis of sulfonamides: carbonic anhydrase inhibitory activity and in silico study. <i>RSC Advances</i> , 2022, 12, 3165-3179.	3.6	2
166	Synthesis, characterisation and supramolecular interaction of Rh-biphenylic-imidazole-phenanthroline with antibiotics. <i>Supramolecular Chemistry</i> , 2014, 26, 777-782.	1.2	1
167	Impact of Cu(II)-doping on the vulnerability of Escherichia coli ATCC 10536 revealed by Atomic Force Microscopy. <i>Micron</i> , 2018, 110, 73-78.	2.2	1
168	Synthesis of Biocompatible Double-tailed Nonionic Surfactants and Their Investigation for Niosomal Drug-loading Applications. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 771-778.	2.1	1
169	Enhancement in the antibacterial activity of cephalexin by its delivery through star-shaped poly(μ -caprolactone)-block-poly(ethylene oxide) coated silver nanoparticles. <i>Royal Society Open Science</i> , 2020, 7, 201097.	2.4	1
170	Sensitive and Rapid Detection of Glutamic Acid in Colloidal Solution by Surfactant Mediated Silver Nanoparticles. <i>Journal of Cluster Science</i> , 0, , 1.	3.3	1
171	Bioinspired synthesis and characterization of gold nano-particles from medicinally important <i>Periploca hydaspidis</i> and their in vitro antioxidant and antimicrobial activity. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019, 32, 1069-1080.	0.2	1
172	Eugenol and liposome-based nanocarriers loaded with eugenol protect against anxiolytic disorder via down regulation of neurokinin-1 receptors in mice. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 2275-2284.	0.2	1
173	A method for determination of acetaldehyde in bottled waters and the effect of time and temperature on concentrations. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 55-64.	3.3	0
174	Microscopy of polymers. , 2021, , 587-637.		0
175	Investigation of a Single Tail Lysine Rich Peptide Amphiphile with an Ultra Short Peptide Head for its Nano Scale Self-assembly and Drug Loading Potential. <i>Journal of Cluster Science</i> , 2022, 33, 151-161.	3.3	0
176	Green synthesis and characterization of silver nano-particles from pharmaceutically important <i>Periploca hydaspidis</i> and their biological activity. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 1267-1277.	0.2	0
177	GC-MS profile of bioactive compounds from medicinally important <i>Periploca hydaspidis</i> . <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2018, 31, 1967-1973.	0.2	0
178	GC-MS analysis of bioactive compounds present in medicinally important <i>Periploca hydaspidis</i> . <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019, 32, 1615-1619.	0.2	0
179	Attenuation of cisplatin-induced acute kidney injury by N-(2-Hydroxyphenyl) acetamide and its gold conjugated nano-formulations in mice. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 787-793.	0.2	0
180	Rutin coated gold nanoparticles prevent rhabdomyolysis-induced kidney injury via down-regulation of NF- κ B, iNOS, IL-6 and up-regulation of HO-1 and Kim-1 genes in mice. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2020, 33, 1823-1832.	0.2	0

#	ARTICLE	IF	CITATIONS
181	Green synthesis of hesperidin coated silver nanoparticles for colorimetric detection of gentamicin sulfate in real samples. Pakistan Journal of Pharmaceutical Sciences, 2020, 33, 2667-2677.	0.2	0
182	Acridine-2,4-Dinitrophenyl Hydrazone Conjugated Silver Nanoparticles as an Efficient Sensor for Quantification of Mercury in Tap Water. Journal of Chemistry, 2022, 2022, 1-12.	1.9	0
183	Synthesis and Characterization of Novel Lecithin Derived Nano-Formulation of Octyl and Dodecyl Gallate for Targeting B Cell Associated Non-Hodgkin's Lymphoma. Journal of Cluster Science, 0, , .	3.3	0