

# Dr M Saravanan

## List of Publications by Year in descending order

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Version: 2024-02-01

174  
papers

28,863  
citations

23567

58  
h-index

6471

157  
g-index

185  
all docs

185  
docs citations

185  
times ranked

32567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global burden of 369 diseases and injuries in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1204-1222.	13.7	7,664
2	Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1736-1788.	13.7	4,989
3	Global burden of 87 risk factors in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	13.7	3,928
4	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950â€“2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1160-1203.	13.7	890
5	Global, regional, and national age-sex-specific mortality and life expectancy, 1950â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1684-1735.	13.7	716
6	Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2018, 391, 2236-2271.	13.7	638
7	Biosynthesis of silver nanoparticles from <i>Staphylococcus aureus</i> and its antimicrobial activity against MRSA and MRSE. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 452-456.	3.3	524
8	Green synthesis of silver nanoparticles from leaf extract of <i>Mimusops elengi</i> , Linn. for enhanced antibacterial activity against multi drug resistant clinical isolates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 255-259.	5.0	465
9	Global, regional, and national incidence, prevalence, and mortality of HIV, 1980â€“2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017. <i>Lancet HIV,the</i> , 2019, 6, e831-e859.	4.7	341
10	Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 2091-2138.	13.7	335
11	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1135-1159.	13.7	335
12	Synthesis of silver nanoparticles from <i>Bacillus brevis</i> (NCIM 2533) and their antibacterial activity against pathogenic bacteria. <i>Microbial Pathogenesis</i> , 2018, 116, 221-226.	2.9	301
13	Population and fertility by age and sex for 195 countries and territories, 1950â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1995-2051.	13.7	294
14	Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995â€“2050. <i>Lancet, The</i> , 2019, 393, 2233-2260.	13.7	283
15	Role of plant phytochemicals and microbial enzymes in biosynthesis of metallic nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6799-6814.	3.6	258
16	Green synthesis of silver nanoparticles via plant extracts: beginning a new era in cancer theranostics. <i>Nanomedicine</i> , 2016, 11, 3157-3177.	3.3	250
17	Bacterial profile of ocular infections: a systematic review. <i>BMC Ophthalmology</i> , 2017, 17, 212.	1.4	207
18	Green synthesis of anisotropic zinc oxide nanoparticles with antibacterial and cytofriendly properties. <i>Microbial Pathogenesis</i> , 2018, 115, 57-63.	2.9	202

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19	Synthesis of silver nanoparticles from <i>Phenerochaete chrysosporium</i> (MTCC-787) and their antibacterial activity against human pathogenic bacteria. <i>Microbial Pathogenesis</i> , 2018, 117, 68-72.	2.9	192
20	Synthesis of Silver Nanoparticles and their Biomedical Applications - A Comprehensive Review. <i>Current Pharmaceutical Design</i> , 2019, 25, 2650-2660.	1.9	167
21	Anti-cancer green bionanomaterials: present status and future prospects. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 285-314.	4.7	166
22	Extracellular synthesis of silver bionanoparticles from <i>Aspergillus clavatus</i> and its antimicrobial activity against MRSA and MRSE. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 77, 214-218.	5.0	161
23	Green synthesis of silver nanoparticles using <i>Rheum palmatum</i> root extract and their antibacterial activity against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 372-379.	2.8	144
24	Rapid biosynthesis of silver nanoparticles from <i>Bacillus megaterium</i> (NCIM 2326) and their antibacterial activity on multi drug resistant clinical pathogens. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 325-331.	5.0	140
25	Enhanced antibacterial activity of iron oxide magnetic nanoparticles treated with <i>Argemone mexicana</i> L. leaf extract: An in vitro study. <i>Materials Research Bulletin</i> , 2013, 48, 3323-3327.	5.2	139
26	Green synthesis of anisotropic silver nanoparticles from the aqueous leaf extract of <i>Dodonaea viscosa</i> with their antibacterial and anticancer activities. <i>Process Biochemistry</i> , 2019, 80, 80-88.	3.7	129
27	Biomimetic synthesis of silver nanoparticles from <i>Streptomyces atrovirens</i> and their potential anticancer activity against human breast cancer cells. <i>IET Nanobiotechnology</i> , 2017, 11, 965-972.	3.8	123
28	Photocatalytic properties and antimicrobial efficacy of Fe doped CuO nanoparticles against the pathogenic bacteria and fungi. <i>Microbial Pathogenesis</i> , 2018, 122, 84-89.	2.9	112
29	Antimicrobial efficacy of green synthesized drug blended silver nanoparticles against dental caries and periodontal disease causing microorganisms. <i>Materials Science and Engineering C</i> , 2015, 56, 374-379.	7.3	108
30	Green synthesis of silver nanoparticles using <i>Alysicarpus monilifer</i> leaf extract and its antibacterial activity against MRSA and CoNS isolates in HIV patients. <i>Journal of Interdisciplinary Nanomedicine</i> , 2017, 2, 131-141.	3.6	104
31	The global distribution of lymphatic filariasis, 2000–18: a geospatial analysis. <i>The Lancet Global Health</i> , 2020, 8, e1186-e1194.	6.3	98
32	Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4393-4408.	3.6	95
33	Medicinal plants mediated the green synthesis of silver nanoparticles and their biomedical applications. <i>IET Nanobiotechnology</i> , 2022, 16, 115-144.	3.8	94
34	Antimicrobial efficacy of drug blended biosynthesized colloidal gold nanoparticles from <i>Justicia glauca</i> against oral pathogens: A nanoantibiotic approach. <i>Microbial Pathogenesis</i> , 2017, 113, 295-302.	2.9	92
35	The prevalence and drug resistance pattern of extended spectrum $\beta$ -lactamases (ESBLs) producing Enterobacteriaceae in Africa. <i>Microbial Pathogenesis</i> , 2018, 114, 180-192.	2.9	91
36	Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000–17. <i>The Lancet Global Health</i> , 2020, 8, e1162-e1185.	6.3	91

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37	Green synthesis, characterization, antibacterial and biofilm inhibitory activity of silver nanoparticles compared to commercial silver nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108647.	3.9	90
38	A critical review of advanced nanotechnology and hybrid membrane based water recycling, reuse, and wastewater treatment processes. <i>Chemosphere</i> , 2022, 289, 132867.	8.2	90
39	Green chemical synthesis of gold nanoparticles by using <i>Penicillium aculeatum</i> and their scolicidal activity against hydatid cyst protoscolices of <i>Echinococcus granulosus</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 5800-5810.	5.3	87
40	Health sector spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3. <i>Lancet, The</i> , 2020, 396, 693-724.	13.7	87
41	&lt;p&gt;Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7553-7568.	6.7	84
42	Emerging Selenium Nanoparticles to Combat Cancer: a Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 301-309.	3.3	83
43	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using <i>PongamiaÂpinnata</i> Leave Extract: A Novel Approach in Nanoparticle Synthesis. <i>Journal of Cluster Science</i> , 2020, 31, 125-131.	3.3	78
44	Optimization of myco-synthesized silver nanoparticles by response surface methodology employing Box-Behnken design. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 33-43.	1.6	77
45	Aerobic bacteria in post surgical wound infections and pattern of their antimicrobial susceptibility in Ayder Teaching and Referral Hospital, Mekelle, Ethiopia. <i>BMC Research Notes</i> , 2014, 7, 575.	1.4	74
46	Crustin, a WAP domain containing antimicrobial peptide from freshwater prawn <i>Macrobrachium rosenbergii</i> : Immune characterization. <i>Fish and Shellfish Immunology</i> , 2013, 34, 109-118.	3.6	72
47	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of <i>Phyllanthus pinnatus</i> : A Recent Advance in Phytonanotechnology. <i>Journal of Cluster Science</i> , 2019, 30, 1481-1488.	3.3	72
48	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000â€17: analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2020, 395, 1779-1801.	13.7	72
49	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2020, 31, 867-876.	3.3	71
50	Mapping routine measles vaccination in low- and middle-income countries. <i>Nature</i> , 2021, 589, 415-419.	27.8	71
51	<i>Penicillium</i> Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. <i>Journal of Cluster Science</i> , 2019, 30, 843-856.	3.3	70
52	Emerging Theranostic Biogenic Silver Nanomaterials for Breast Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2019, 30, 259-279.	3.3	69
53	Antibacterial efficacy of silver nanoparticles against multi-drug resistant clinical isolates from post-surgical wound infections. <i>Microbial Pathogenesis</i> , 2017, 107, 327-334.	2.9	67
54	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. <i>Journal of Cluster Science</i> , 2019, 30, 715-726.	3.3	66

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55	Antineoplastic Biogenic Silver Nanomaterials to Combat Cervical Cancer: A Novel Approach in Cancer Therapeutics. <i>Journal of Cluster Science</i> , 2020, 31, 659-672.	3.3	66
56	Biosynthesized silver nanoparticles using floral extract of <i>Chrysanthemum indicum</i> L.â€™potential for malaria vector control. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9759-9765.	5.3	64
57	A review on Sero diversity and antimicrobial resistance patterns of <i>Shigella</i> species in Africa, Asia and South America, 2001â€™2014. <i>BMC Research Notes</i> , 2016, 9, 422.	1.4	63
58	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). <i>Pharmaceutical Nanotechnology</i> , 2018, 6, 17-27.	1.5	63
59	Efficacy of green nanoparticles against cancerous and normal cell lines: a systematic review and meta-analysis. <i>IET Nanobiotechnology</i> , 2018, 12, 377-391.	3.8	62
60	Synthesis of Selenium Nanoparticles Using Probiotic Bacteria <i>Lactobacillus acidophilus</i> and Their Enhanced Antimicrobial Activity Against Resistant Bacteria. <i>Journal of Cluster Science</i> , 2020, 31, 1003-1011.	3.3	60
61	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using <i>Kleinia grandiflora</i> Mediated Silver Nanoparticles. <i>Journal of Cluster Science</i> , 2019, 30, 1415-1424.	3.3	59
62	Emerging Theranostic Silver Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 311-321.	3.3	57
63	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. <i>Journal of Cluster Science</i> , 2020, 31, 1329-1340.	3.3	57
64	Biodegradable Polymers Derived From Amino Acids. <i>Macromolecular Bioscience</i> , 2011, 11, 1625-1636.	4.1	56
65	A contemporary review on â€™ polymer stereocomplexes and its biomedical application. <i>European Journal of Nanomedicine</i> , 2013, 5, .	0.6	56
66	Emerging Antineoplastic Gold Nanomaterials for Cervical Cancer Therapeutics: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1173-1184.	3.3	56
67	Emerging Theranostic Silver and Gold Nanomaterials to Combat Prostate Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2019, 30, 1375-1382.	3.3	53
68	Antidiabetic and Antioxidant Activity of Green Synthesized Starch Nanoparticles: An In Vitro Study. <i>Journal of Cluster Science</i> , 2020, 31, 1257-1266.	3.3	53
69	&lt;p&gt;Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3577-3595.	6.7	52
70	Emerging Theranostic Silver Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1-10.	3.3	51
71	Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. <i>Nature Medicine</i> , 2020, 26, 750-759.	30.7	47
72	Biosynthesized colloidal silver and gold nanoparticles as emerging leishmanicidal agents: an insight. <i>Nanomedicine</i> , 2017, 12, 2807-2819.	3.3	45

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73	Emerging Theranostic Gold Nanomaterials to Combat Lung Cancer: A Systematic Review. Journal of Cluster Science, 2020, 31, 323-330.	3.3	45
74	Emerging Theranostic Gold Nanomaterials to Combat Colorectal Cancer: A Systematic Review. Journal of Cluster Science, 2020, 31, 651-658.	3.3	44
75	Near infra-red polymeric nanoparticle based optical imaging in Cancer diagnosis. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111630.	3.8	43
76	Molecular Docking Studies on the Anti-viral Effects of Compounds From Kabasura Kudineer on SARS-CoV-2 3CLpro. Frontiers in Molecular Biosciences, 2020, 7, 613401.	3.5	42
77	Bacteriological profile and antimicrobial susceptibility patterns of blood culture isolates among febrile patients in Mekelle Hospital, Northern Ethiopia. SpringerPlus, 2015, 4, 314.	1.2	41
78	Ultrasonic energy-assisted in-situ synthesis of RuO/PANI/g-C3N4 nanocomposite: Application for picomolar-level electrochemical detection of endocrine disruptor (Bisphenol-A) in humans and animals. Ultrasonics Sonochemistry, 2019, 58, 104629.	8.2	41
79	Green nanotechnology-based tellurium nanoparticles: Exploration of their antioxidant, antibacterial, antifungal and cytotoxic potentials against cancerous and normal cells compared to potassium tellurite. Inorganic Chemistry Communication, 2021, 124, 108385.	3.9	40
80	Review on emergence of drug-resistant tuberculosis (MDR & XDR-TB) and its molecular diagnosis in Ethiopia. Microbial Pathogenesis, 2018, 117, 237-242.	2.9	39
81	Evaluation of the anticancer potential of Hexadecanoic acid from brown algae Turbinaria ornata on HTâ€“29 colon cancer cells. Journal of Molecular Structure, 2021, 1235, 130229.	3.6	38
82	Emerging plant-based anti-cancer green nanomaterials in present scenario. Comprehensive Analytical Chemistry, 2019, 87, 291-318.	1.3	38
83	&lt;p&gt;A Systematic Review on Drug Resistant Urinary Tract Infection Among Pregnant Women in Developing Countries in Africa and Asia; 2005â€“2016&lt;/p&gt;. Infection and Drug Resistance, 2020, Volume 13, 1465-1477.	2.7	37
84	Synthesis of bioactive compounds from vermicast isolated actinomycetes species and its antimicrobial activity against human pathogenic bacteria. Microbial Pathogenesis, 2018, 121, 155-165.	2.9	35
85	Molecular insights of Carbapenem resistance Klebsiella pneumoniae isolates with focus on multidrug resistance from clinical samples. Journal of Infection and Public Health, 2021, 14, 131-138.	4.1	35
86	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects. , 2021, , 439-456.		35
87	Diagnosis and Treatment of Typhoid Fever and Associated Prevailing Drug Resistance in Northern Ethiopia. International Journal of Infectious Diseases, 2015, 35, 96-102.	3.3	33
88	TiO2@ZnO nanocomposites decorated with gold nanoparticles: Synthesis, characterization and their antifungal, antibacterial, anti-inflammatory and anticancer activities. Inorganic Chemistry Communication, 2020, 121, 108210.	3.9	32
89	Subnational mapping of HIV incidence and mortality among individuals aged 15â€“49 years in sub-Saharan Africa, 2000â€“18: a modelling study. Lancet HIV,the, 2021, 8, e363-e375.	4.7	32
90	Extracellular Biosynthesis, Characterization and Antibacterial Activity of Silver Nanoparticles Synthesized by <i>Bacillus subtilis</i> (NCIMâ€“2266). Journal of Bionanoscience, 2014, 8, 21-27.	0.4	28

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91	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 604447.	3.5	28
92	Bacterial Profile and Antimicrobial Susceptibility Pattern of External Ocular Infections in Jimma University Specialized Hospital, Southwest Ethiopia. <i>American Journal of Infectious Diseases and Microbiology</i> , 2013, 1, 13-20.	0.2	28
93	Human serum albumin interaction, in silico and anticancer evaluation of Pine-Gold nanoparticles. <i>Process Biochemistry</i> , 2020, 89, 98-109.	3.7	27
94	Ocular bacterial infections at Quiha Ophthalmic Hospital, Northern Ethiopia: an evaluation according to the risk factors and the antimicrobial susceptibility of bacterial isolates. <i>BMC Infectious Diseases</i> , 2017, 17, 207.	2.9	26
95	Green nanotechnology: isolation of bioactive molecules and modified approach of biosynthesis. , 2021, , 101-122.		26
96	Prevalence of <i>Salmonella typhi</i> and intestinal parasites among food handlers in Mekelle University student cafeteria, Mekelle, Ethiopia. <i>Food Control</i> , 2014, 44, 45-48.	5.5	25
97	<i>Penicillium chrysogenum</i> -Derived Silver Nanoparticles: Exploration of Their Antibacterial and Biofilm Inhibitory Activity Against the Standard and Pathogenic <i>Acinetobacter baumannii</i> Compared to Tetracycline. <i>Journal of Cluster Science</i> , 2022, 33, 1929-1942.	3.3	24
98	Prevalence of CRISPR-Cas Systems and Their Possible Association with Antibiotic Resistance in <i>Enterococcus faecalis</i> and <i>Enterococcus faecium</i> Collected from Hospital Wastewater. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 1143-1154.	2.7	24
99	&lt;i>Tribulus terrestris</i> Leaf Mediated Biosynthesis of Stable Antibacterial Silver Nanoparticles. <i>Pharmaceutical Nanotechnology</i> , 2015, 3, 26-34.	1.5	23
100	Nasal carriage, risk factors and antimicrobial susceptibility pattern of methicillin resistant <i>Staphylococcus aureus</i> among healthcare workers in Adigrat and Wukro hospitals, Tigray, Northern Ethiopia. <i>BMC Research Notes</i> , 2018, 11, 250.	1.4	23
101	Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000â€“17. <i>The Lancet Global Health</i> , 2020, 8, e1038-e1060.	6.3	23
102	Isolation and anti-microbial susceptibility pattern of group B <i>Streptococcus</i> among pregnant women attending antenatal clinics in Ayder Referral Hospital and Mekelle Health Center, Mekelle, Northern Ethiopia. <i>BMC Research Notes</i> , 2015, 8, 518.	1.4	21
103	Prevalence and Factors Associated with Multidrug-Resistant Tuberculosis (MDR-TB) among Presumptive MDR-TB Patients in Tigray Region, Northern Ethiopia. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2019, 2019, 1-8.	1.9	21
104	Low-dose exposure to phytosynthesized gold nanoparticles combined with glutamine deprivation enhances cell death in the cancer cell line HeLa <i>via</i> oxidative stress-mediated mitochondrial dysfunction and G0/G1 cell cycle arrest. <i>Nanoscale</i> , 2022, 14, 10399-10417.	5.6	21
105	Bioengineered phytomolecules-capped silver nanoparticles using <i>Carissa carandas</i> leaf extract to embed on to urinary catheter to combat UTI pathogens. <i>PLoS ONE</i> , 2021, 16, e0256748.	2.5	20
106	Prevalence and risk factors of methicillin-resistant <i>Staphylococcus aureus</i> colonization among HIV patients in Mekelle, Northern Ethiopia. <i>SpringerPlus</i> , 2016, 5, 877.	1.2	19
107	Synthesis of Tobramycin Stabilized Silver Nanoparticles and Its Catalytic and Antibacterial Activity Against Pathogenic Bacteria. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 111-120.	3.7	19
108	Antioxidant, Anti-inflammatory and Biosorption Properties of Starch Nanocrystals In Vitro Study: Cytotoxic and Phytotoxic Evaluation. <i>Journal of Cluster Science</i> , 2021, 32, 1419-1430.	3.3	19

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109	Nanotechnology-based approaches for emerging and re-emerging viruses: Special emphasis on COVID-19. <i>Microbial Pathogenesis</i> , 2021, 156, 104908.	2.9	18
110	Evaluation of Larvicidal and Repellent Activity of Nanocrystal Emulsion Synthesized from <i>F. glomerata</i> and Neem Oil Against Mosquitoes. <i>Journal of Cluster Science</i> , 2019, 30, 1649-1661.	3.3	17
111	Biosynthesis of Zinc oxide nanoparticles using <i>Bergenia ciliate</i> aqueous extract and evaluation of their photocatalytic and antioxidant potential. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109020.	3.9	17
112	<i>Cladophora fascicularis</i> Mediated Silver Nanoparticles: Assessment of Their Antibacterial Activity Against <i>Aeromonas hydrophila</i> . <i>Journal of Cluster Science</i> , 2020, 31, 673-683.	3.3	16
113	Sero-prevalence and associated risk factors for hepatitis C virus infection among voluntary counseling testing and anti retroviral treatment clinic attendants in Adwa hospital, northern Ethiopia. <i>BMC Research Notes</i> , 2016, 9, 121.	1.4	15
114	Prevalence and drug resistance pattern of <i>Listeria monocytogenes</i> among pregnant women in Tigray region, Northern Ethiopia: a cross-sectional study. <i>BMC Research Notes</i> , 2019, 12, 538.	1.4	15
115	The Role of Antimicrobial Peptides as Antimicrobial and Antibiofilm Agents in Tackling the Silent Pandemic of Antimicrobial Resistance. <i>Molecules</i> , 2022, 27, 2995.	3.8	15
116	Edible Mushrooms as Novel Myco-Therapeutics: Effects on Lipid Level, Obesity and BMI. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 211.	3.5	14
117	Exploring Dose-Dependent Cytotoxicity Profile of <i>Gracilaria edulis</i> -Mediated Green Synthesized Silver Nanoparticles against MDA-MB-231 Breast Carcinoma. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-15.	4.0	14
118	Green Synthesis of Zinc Sulfide Nanoparticles Using <i>Abrus precatorius</i> and Its Effect on Coelomic Fluid Protein Profile and Enzymatic Activity of the Earthworm, <i>Eudrilus eugeniae</i> . <i>BioNanoScience</i> , 2020, 10, 149-156.	3.5	13
119	Nanoarchitectonics is an emerging drug/gene delivery and targeting strategy -a critical review. <i>Journal of Molecular Structure</i> , 2021, 1243, 130844.	3.6	13
120	Species, Risk Factors, and Antimicrobial Susceptibility Profiles of Bacterial Isolates from HIV-Infected Patients Suspected to Have Pneumonia in Mekelle Zone, Tigray, Northern Ethiopia. <i>BioMed Research International</i> , 2019, 2019, 1-9.	1.9	12
121	Piper beetle: Augmented Synthesis of Gold Nanoparticles and Its In-vitro Cytotoxicity Assessment on HeLa and HEK293 Cells. <i>Journal of Cluster Science</i> , 2020, 31, 133-145.	3.3	12
122	Platelets to surrogate lung inflammation in COVID-19 patients. <i>Medical Hypotheses</i> , 2020, 143, 110098.	1.5	12
123	Opportunistic mycoses in COVID-19 patients/survivors: Epidemic inside a pandemic. <i>Journal of Infection and Public Health</i> , 2021, 14, 1720-1726.	4.1	12
124	Current Treatment Options for COVID-19 Associated Mucormycosis: Present Status and Future Perspectives. <i>Journal of Clinical Medicine</i> , 2022, 11, 3620.	2.4	12
125	Phage in cancer treatment – Biology of therapeutic phage and screening of tumor targeting peptide. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 873-882.	5.0	12
126	Induction of Caspase-Mediated Apoptosis in HepG2 Liver Carcinoma Cells Using Mutagen-Antioxidant Conjugated Self-Assembled Novel Carbazole Nanoparticles and In Silico Modeling Studies. <i>ACS Omega</i> , 2021, 6, 265-277.	3.5	11



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127	Prevalence of bacterial vaginosis and aerobic vaginitis and their associated risk factors among pregnant women from northern Ethiopia: A cross-sectional study. PLoS ONE, 2022, 17, e0262692.	2.5	11
128	Bacterial Isolates and Drug Susceptibility Pattern of Sterile Body Fluids from Tertiary Hospital, Northern Ethiopia: A Four-Year Retrospective Study. Journal of Pathogens, 2019, 2019, 1-6.	1.4	10
129	Exploring the Bioactive Potentials of C60-AgNPs Nano-Composites against Malignancies and Microbial Infections. International Journal of Molecular Sciences, 2022, 23, 714.	4.1	10
130	TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation and molecular docking of novel heterocycles as potential inhibitors of p53-MDM2 protein. Journal of Molecular Structure, 2020, 1202, 127252.	3.6	9
131	In vitro Cytotoxicity and Antibacterial Activity of Optimized Silver Nanoparticles Against Wound Infectious Bacteria and Their Morphological Studies. Journal of Cluster Science, 2021, 32, 63-76.	3.3	9
132	Experimental investigation and electrochemical characterization of titanium coated nanocomposite materials for biomedical applications. Journal of Molecular Structure, 2021, 1231, 129932.	3.6	9
133	Coating of wallpaper with green synthesized silver nanoparticles from Passiflora foetida fruit and its illustrated antifungal mechanism. Process Biochemistry, 2022, 112, 177-182.	3.7	9
134	One-step synthesis of picolinohydrazides from fusaric acid: DFT, structural characterization and molecular inhibitory studies on metastatic tumor-derived exosomal and non-exosomal proteins. Journal of Molecular Structure, 2022, 1255, 132442.	3.6	9
135	In Vitro and In Vivo Antibiofilm Potential of Eicosane Against Candida albicans. Applied Biochemistry and Biotechnology, 2022, 194, 4800-4816.	2.9	9
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