

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	Penicillium chrysogenum-Derived Silver Nanoparticles: Exploration of Their Antibacterial and Biofilm Inhibitory Activity Against the Standard and Pathogenic Acinetobacter baumannii Compared to Tetracycline. Journal of Cluster Science, 2022, 33, 1929-1942.	3.3	24
2	Insights of CRISPR-Cas systems in stem cells: progress in regenerative medicine. Molecular Biology Reports, 2022, 49, 657-673.	2.3	4
3	A critical review of advanced nanotechnology and hybrid membrane based water recycling, reuse, and wastewater treatment processes. Chemosphere, 2022, 289, 132867.	8.2	90
4	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
5	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
6	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
7	Microbial nanotechnology-based approaches for wound healing and infection control. , 2022, , 1-15.		6
8	Edible Mushrooms as Novel Myco-Therapeutics: Effects on Lipid Level, Obesity and BMI. Journal of Fungi (Basel, Switzerland), 2022, 8, 211.	3.5	14
9	Exploring Dose-Dependent Cytotoxicity Profile of Gracilaria edulis-Mediated Green Synthesized Silver Nanoparticles against MDA-MB-231 Breast Carcinoma. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-15.	4.0	14
10	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
11	Optimized extraction of sulfated polysaccharide from brown seaweed Sargassum polycystum and its evaluation for anti-cancer and wound healing potential. South African Journal of Botany, 2022, 151, 345-359.	2.5	4
12	Comparative In Vitro Cytotoxicity Study of Carbon Dot-Based Organometallic Nanoconjugates: Exploration of Their Cell Proliferation, Uptake, and Localization in Cancerous and Normal Cells. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-11.	4.0	4
13	Prevalence of CRISPR-Cas Systems and Their Possible Association with Antibiotic Resistance in Enterococcus faecalis and Enterococcus faecium Collected from Hospital Wastewater. Infection and Drug Resistance, 2022, Volume 15, 1143-1154.	2.7	24
14	Molecular Docking and In Vitro Inhibitory Effect of Polyaniline (PANI)/ZnO Nanocomposite on the Growth of Struvite Crystal: a Step Towards Control of UTI. Applied Biochemistry and Biotechnology, 2022, 194, 4462-4476.	2.9	1
15	Medicinal plants mediated the green synthesis of silver nanoparticles and their biomedical applications. IET Nanobiotechnology, 2022, 16, 115-144.	3.8	94
16	Multidrug resistance from a one health perspective in Ethiopia: A systematic review and meta-analysis of literature (2015-2020). One Health, 2022, 14, 100390.	3.4	5
17	The Role of Antimicrobial Peptides as Antimicrobial and Antibiofilm Agents in Tackling the Silent Pandemic of Antimicrobial Resistance. Molecules, 2022, 27, 2995.	3.8	15
18	Evaluation of antimicrobial, anticancer potential and Flippase induced leakage in model membrane of Centella asiatica fabricated MgONPs. , 2022, 138, 212855.		8

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19	In Vitro and In Vivo Antibiofilm Potential of Eicosane Against <i>Candida albicans</i> . <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4800-4816.	2.9	9
20	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
21	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
22	Low-dose exposure to phytosynthesized gold nanoparticles combined with glutamine deprivation enhances cell death in the cancer cell line HeLa via oxidative stress-mediated mitochondrial dysfunction and G0/G1 cell cycle arrest. <i>Nanoscale</i> , 2022, 14, 10399-10417.	5.6	21
23	Biogenic metal nanomaterials to combat antimicrobial resistance. , 2022, , 261-304.		6
24	Potential Bioactive Compounds from Marine <i>Streptomyces</i> sp. and Their In Vitro Antibiofilm and Antibacterial Activities Against Antimicrobial-Resistant Clinical Pathogens. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 4702-4723.	2.9	5
25	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
26	In vitro Cytotoxicity and Antibacterial Activity of Optimized Silver Nanoparticles Against Wound Infectious Bacteria and Their Morphological Studies. <i>Journal of Cluster Science</i> , 2021, 32, 63-76.	3.3	9
27	Green nanotechnology-based tellurium nanoparticles: Exploration of their antioxidant, antibacterial, antifungal and cytotoxic potentials against cancerous and normal cells compared to potassium tellurite. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108385.	3.9	40
28	Molecular insights of Carbapenem resistance <i>Klebsiella pneumoniae</i> isolates with focus on multidrug resistance from clinical samples. <i>Journal of Infection and Public Health</i> , 2021, 14, 131-138.	4.1	35
29	Mapping routine measles vaccination in low- and middle-income countries. <i>Nature</i> , 2021, 589, 415-419.	27.8	71
30	Green nanotechnology: isolation of bioactive molecules and modified approach of biosynthesis. , 2021, , 101-122.		26
31	Exosomes as an emerging nanoplatform for functional therapeutics. , 2021, , 483-498.		3
32	Nanobiosensors for theranostic applications. , 2021, , 511-543.		7
33	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects. , 2021, , 439-456.		35
34	Emerging Nano-Based Drug Delivery Approach for Cancer Therapeutics. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2021, , 271-293.	0.3	2
35	Antimicrobial Resistance and Antimicrobial Nanomaterials. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2021, , 1-28.	0.3	2
36	Emerging mesoporous silica nanoparticle-mediated controlled and targeted drug delivery system: Present status and future prospects. , 2021, , 457-481.		0

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37	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 604447.	3.5	28
38	Experimental investigation and electrochemical characterization of titanium coated nanocomposite materials for biomedical applications. <i>Journal of Molecular Structure</i> , 2021, 1231, 129932.	3.6	9
39	Subnational mapping of HIV incidence and mortality among individuals aged 15–49 years in sub-Saharan Africa, 2000–18: a modelling study. <i>Lancet HIV</i> , 2021, 8, e363-e375.	4.7	32
40	Evaluation of the anticancer potential of Hexadecanoic acid from brown algae <i>Turbinaria ornata</i> on HT-29 colon cancer cells. <i>Journal of Molecular Structure</i> , 2021, 1235, 130229.	3.6	38
41	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
42	Nanotechnology-based approaches for emerging and re-emerging viruses: Special emphasis on COVID-19. <i>Microbial Pathogenesis</i> , 2021, 156, 104908.	2.9	18
43	Insinuating cocktailed components in biocompatible-nanoparticles could act as an impressive neo-adjuvant strategy to combat COVID-19. , 2021, 1, 3-7.		7
44	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
45	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
46	Modern Nanomaterials Extraction and Characterization Techniques Using Plant Samples and Their Biomedical Potential. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2021, , 219-233.	0.3	0
47	Emerging Theragnostic Metal-Based Nanomaterials to Combat Cancer. <i>Nanotechnology in the Life Sciences</i> , 2021, , 317-334.	0.6	4
48	Nanoerythroosome-Biohybrid Microswimmers for Cancer Theranostics Cargo Delivery. <i>Nanotechnology in the Life Sciences</i> , 2021, , 261-284.	0.6	2
49	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
50	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
51	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
52	Nanocarrier drug resistant tumor interactions: novel approaches to fight drug resistance in cancer. , 2021, 4, 264-297.		5
53	Emerging Theranostic Gold Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 651-658.	3.3	44
54	<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

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55	Human serum albumin interaction, in silico and anticancer evaluation of Pine-Gold nanoparticles. <i>Process Biochemistry</i> , 2020, 89, 98-109.	3.7	27
56	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
57	TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation and molecular docking of novel heterocycles as potential inhibitors of p53-MDM2 protein. <i>Journal of Molecular Structure</i> , 2020, 1202, 127252.	3.6	9
58	Clinically Pertinent Manganese Oxide/Polyoxytyramine/Reduced Graphene Oxide Nanocomposite for Voltammetric Detection of Salivary and Urinary Arsenic. <i>Journal of Cluster Science</i> , 2020, 31, 877-885.	3.3	8
59	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2020, 31, 867-876.	3.3	71
60	Emerging Theranostic Gold Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 323-330.	3.3	45
61	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using <i>Pongamiaâpinnata</i> Leave Extract: A Novel Approach in Nanoparticle Synthesis. <i>Journal of Cluster Science</i> , 2020, 31, 125-131.	3.3	78
62	Piper betle: 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
63	Emerging Theranostic Silver Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1-10.	3.3	51
64	Emerging Theranostic Silver Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 311-321.	3.3	57
65	Emerging Selenium Nanoparticles to Combat Cancer: a Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 301-309.	3.3	83
66	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
67	Emerging Antineoplastic Gold Nanomaterials for Cervical Cancer Therapeutics: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1173-1184.	3.3	56
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	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
70	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
71	<p>Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions<p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7553-7568.	6.7	84
72	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

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73	Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1223-1249.	13.7	3,928
74	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1160-1203.	13.7	890
75	Five insights from the Global Burden of Disease Study 2019. <i>Lancet, The</i> , 2020, 396, 1135-1159.	13.7	335
76	Platelets to surrogate lung inflammation in COVID-19 patients. <i>Medical Hypotheses</i> , 2020, 143, 110098.	1.5	12
77	Green Synthesis, Experimental and Theoretical Studies to Discover Novel Binders of Exosomal Tetraspanin CD81 Protein. <i>ACS Omega</i> , 2020, 5, 17973-17982.	3.5	5
78	Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000–17. <i>The Lancet Global Health</i> , 2020, 8, e1038-e1060.	6.3	23
79	TiO ₂ @ZnO nanocomposites decorated with gold nanoparticles: Synthesis, characterization and their antifungal, antibacterial, anti-inflammatory and anticancer activities. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108210.	3.9	32
80	CTAB-PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus <i>Pythium ultimum</i> . <i>ChemistrySelect</i> , 2020, 5, 10574-10580.	1.5	7
81	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
82	The global distribution of lymphatic filariasis, 2000–18: a geospatial analysis. <i>The Lancet Global Health</i> , 2020, 8, e1186-e1194.	6.3	98
83	Molecular Docking Studies on the Anti-viral Effects of Compounds From Kabasura Kudineer on SARS-CoV-2 3CLpro. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 613401.	3.5	42
84	<p>Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3577-3595.	6.7	52
85	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000–17: analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2020, 395, 1779-1801.	13.7	72
86	<p>A Systematic Review on Drug Resistant Urinary Tract Infection Among Pregnant Women in Developing Countries in Africa and Asia; 2005–2016</p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 1465-1477.	2.7	37
87	Enhancing the Aspirin Loading and Release Efficiency of Silver Oxide Nanoparticles Using Oleic Acid-based Bio-surfactant from <i>Enteromorpha intestinalis</i> . <i>Applied Organometallic Chemistry</i> , 2020, 34, e5934.	3.5	8
88	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
89	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
90	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

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91	HIV prevalence and risk factors in infants born to HIV positive mothers, measured by dried blood spot real-time PCR assay in Tigray, Northern Ethiopia. BMC Pediatrics, 2019, 19, 257.	1.7	8
92	Near infra-red polymeric nanoparticle based optical imaging in Cancer diagnosis. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111630.	3.8	43
93	Synthesis of Silver Nanoparticles and their Biomedical Applications - A Comprehensive Review. Current Pharmaceutical Design, 2019, 25, 2650-2660.	1.9	167
94	Global, regional, and national incidence, prevalence, and mortality of HIV, 1980–2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017. Lancet HIV, 2019, 6, e831-e859.	4.7	341
95	Prevalence and drug resistance pattern of <i>Listeria monocytogenes</i> among pregnant women in Tigray region, Northern Ethiopia: a cross-sectional study. BMC Research Notes, 2019, 12, 538.	1.4	15
96	Prevalence and Factors Associated with Multidrug-Resistant Tuberculosis (MDR-TB) among Presumptive MDR-TB Patients in Tigray Region, Northern Ethiopia. Canadian Journal of Infectious Diseases and Medical Microbiology, 2019, 2019, 1-8.	1.9	21
97	Ultrasonic energy-assisted in-situ synthesis of RuO/PANI/g-C ₃ N ₄ nanocomposite: Application for picomolar-level electrochemical detection of endocrine disruptor (Bisphenol-A) in humans and animals. Ultrasonics Sonochemistry, 2019, 58, 104629.	8.2	41
98	Evaluation of Larvicidal and Repellent Activity of Nanocrystal Emulsion Synthesized from <i>F. glomerata</i> and Neem Oil Against Mosquitoes. Journal of Cluster Science, 2019, 30, 1649-1661.	3.3	17
99	Optimization of culture medium for improved production of antimicrobial compounds by <i>Amycolatopsis</i> sp. -AS9 isolated from vermicasts. Biocatalysis and Agricultural Biotechnology, 2019, 20, 101186.	3.1	3
100	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
101	Synthesis and Characterization of Cefditoren Capped Silver Nanoparticles and Their Antimicrobial and Catalytic Degradation of Ibuprofen. Journal of Cluster Science, 2019, 30, 1663-1671.	3.3	3
102	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using <i>Kleinfia grandiflora</i> Mediated Silver Nanoparticles. Journal of Cluster Science, 2019, 30, 1415-1424.	3.3	59
103	Optimization of myco-synthesized silver nanoparticles by response surface methodology employing Box-Behnken design. Inorganic and Nano-Metal Chemistry, 2019, 49, 33-43.	1.6	77
104	Penicillium Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. Journal of Cluster Science, 2019, 30, 843-856.	3.3	70
105	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of <i>Phyllanthus pinnatus</i> : A Recent Advance in Phytonanotechnology. Journal of Cluster Science, 2019, 30, 1481-1488.	3.3	72
106	Emerging Theranostic Silver and Gold Nanomaterials to Combat Prostate Cancer: A Systematic Review. Journal of Cluster Science, 2019, 30, 1375-1382.	3.3	53
107	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, 1995–2050. Lancet, The, 2019, 393, 2233-2260.	13.7	283
108	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. Journal of Cluster Science, 2019, 30, 715-726.	3.3	66

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109	Fatty Acids of Enteromorpha intestinalis Emulsified Drug Delivery Nanoemulsion: Evaluation of Loading Mechanism and Release Kinetics for Drug Delivery. Journal of Cluster Science, 2019, 30, 813-825.	3.3	4
110	Green synthesis of anisotropic silver nanoparticles from the aqueous leaf extract of Dodonaea viscosa with their antibacterial and anticancer activities. Process Biochemistry, 2019, 80, 80-88.	3.7	129
111	Emerging Theranostic Biogenic Silver Nanomaterials for Breast Cancer: A Systematic Review. Journal of Cluster Science, 2019, 30, 259-279.	3.3	69
112	Synthesis of Tobramycin Stabilized Silver Nanoparticles and Its Catalytic and Antibacterial Activity Against Pathogenic Bacteria. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 111-120.	3.7	19
113	Emerging plant-based anti-cancer green nanomaterials in present scenario. Comprehensive Analytical Chemistry, 2019, 87, 291-318.	1.3	38
114	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
115	Synthesis of silver nanoparticles from Bacillus brevis (NCIM 2533) and their antibacterial activity against pathogenic bacteria. Microbial Pathogenesis, 2018, 116, 221-226.	2.9	301
116	Synthesis of silver nanoparticles from Phenerochaete chrysosporium (MTCC-787) and their antibacterial activity against human pathogenic bacteria. Microbial Pathogenesis, 2018, 117, 68-72.	2.9	192
117	Green synthesis of anisotropic zinc oxide nanoparticles with antibacterial and cytofriendly properties. Microbial Pathogenesis, 2018, 115, 57-63.	2.9	202
118	Nasal carriage, risk factors and antimicrobial susceptibility pattern of methicillin resistant Staphylococcus aureus among healthcare workers in Adigrat and Wukro hospitals, Tigray, Northern Ethiopia. BMC Research Notes, 2018, 11, 250.	1.4	23
119	Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. Applied Microbiology and Biotechnology, 2018, 102, 4393-4408.	3.6	95
120	The prevalence and drug resistance pattern of extended spectrum β -lactamases (ESBLs) producing Enterobacteriaceae in Africa. Microbial Pathogenesis, 2018, 114, 180-192.	2.9	91
121	Efficacy of green nanoparticles against cancerous and normal cell lines: a systematic review and meta-analysis. IET Nanobiotechnology, 2018, 12, 377-391.	3.8	62
122	Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1684-1735.	13.7	716
123	Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1736-1788.	13.7	4,989
124	Population and fertility by age and sex for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1995-2051.	13.7	294
125	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. Lancet, The, 2018, 392, 2091-2138.	13.7	335
126	Bacteriological assessment of drinking water from hand-pump-fitted borehole sources in Kola Tembien, Central Tigray, northern Ethiopia. Journal of Water Supply: Research and Technology - AQUA, 2018, 67, 790-799.	1.4	8

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127	Barriers for the development, translation, and implementation of nanomedicine: an African perspective. <i>Journal of Interdisciplinary Nanomedicine</i> , 2018, 3, 106-110.	3.6	6
128	Synthesis of bioactive compounds from vermicast isolated actinomycetes species and its antimicrobial activity against human pathogenic bacteria. <i>Microbial Pathogenesis</i> , 2018, 121, 155-165.	2.9	35
129	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
130	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). <i>Pharmaceutical Nanotechnology</i> , 2018, 6, 17-27.	1.5	63
131	EDITORIAL: Emerging Bio-inspired and Bio-Compatible Nanomaterials in 21st Century. <i>Pharmaceutical Nanotechnology</i> , 2018, 6, 2-2.	1.5	0
132	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
133	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
134	Nanomedicine as a Newly Emerging Approach Against Multidrug-Resistant Tuberculosis (MDR-TB). , 2018, , 941-960.		0
135	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
136	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
137	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
138	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
139	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
140	Anti-cancer green bionanomaterials: present status and future prospects. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 285-314.	4.7	166
141	Biosynthesized colloidal silver and gold nanoparticles as emerging leishmanicidal agents: an insight. <i>Nanomedicine</i> , 2017, 12, 2807-2819.	3.3	45
142	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
143	Bacterial profile of ocular infections: a systematic review. <i>BMC Ophthalmology</i> , 2017, 17, 212.	1.4	207
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