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Silver Nanoparticles Inhibit Hepatitis B virus Replication

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341	Inhibition of herpes simplex virus type 1 infection by silver nanoparticles capped with mercaptoethane sulfonate. 2009 , 20, 1497-502		242
340	Glycan encapsulated gold nanoparticles selectively inhibit shiga toxins 1 and 2. 2010 , 21, 1486-93		47
339	Sonochemical coating of paper by microbicidal silver nanoparticles. 2011 , 27, 720-6		148
338	Engineering Nanostructured Silver Coatings for Antimicrobial Applications. 2012 , 313-336		10
337	A DFT study on the interaction between adsorbed silver on C and disulfide bond. 2012 , 38, 354-9		3
336	Synthesis and characterization of Ag ₀ /PVA nanoparticles via photo- and chemical reduction methods for antibacterial study. 2013 , 436, 922-929		26
335	Silver nanoparticles induced RNA polymerase-silver binding and RNA transcription inhibition in erythroid progenitor cells. 2013 , 7, 4171-86		116
334	Development of antimicrobial biomaterials produced from chitin-nanofiber sheet/silver nanoparticle composites. 2014 , 12, 49		42
333	Inhibition of autophagy enhances the anticancer activity of silver nanoparticles. 2014 , 10, 2006-20		184
332	Predicting the environmental impact of nanosilver. 2014 , 38, 861-73		104
331	Rapid synthesis of biocompatible silver nanoparticles using aqueous extract of Rosa damascena petals and evaluation of their anticancer activity. 2014 , 7S1, S294-300		77
330	Fabrication of an anti-viral air filter with SiO ₂ /Ag nanoparticles and performance evaluation in a continuous airflow condition. 2014 , 280, 356-63		28
329	The optical, photothermal, and facile surface chemical properties of gold and silver nanoparticles in biodiagnostics, therapy, and drug delivery. 2014 , 88, 1391-417		279
328	Efficacy of silver ions against Sacbrood virus infection in the Eastern honey bee <i>Apis cerana</i> . 2015 , 16, 289-95		5
327	Silver nanoparticles synthesis mediated by new isolates of <i>Bacillus</i> spp., nanoparticle characterization and their activity against Bean Yellow Mosaic Virus and human pathogens. 2015 , 6, 453		173

326	Ultrastructural changes in methicillin-resistant <i>Staphylococcus aureus</i> induced by positively charged silver nanoparticles. 2015 , 6, 2396-405	42
325	New toxicity mechanism of silver nanoparticles: promoting apoptosis and inhibiting proliferation. 2015 , 10, e0122535	69
324	Current Development of Silver Nanoparticle Preparation, Investigation, and Application in the Field of Medicine. 2015 , 2015, 1-12	83
323	A fast green synthesis of Ag nanoparticles in carboxymethyl cellulose (CMC) through UV irradiation technique for antibacterial applications. 2015 , 75, 530-540	43
322	Adsorption of Silver Nanoparticles onto Different Surface Structures of Chitin/Chitosan and Correlations with Antimicrobial Activities. 2015 , 16, 13973-88	67
321	Impact of polymethylmethacrylate additives on methicillin-resistant <i>Staphylococcus pseudintermedius</i> biofilm formation in vitro. 2015 , 76, 395-401	6
320	Nanosilver based anionic linear globular dendrimer with a special significant antiretroviral activity. 2015 , 26, 179	22
319	Perturbation of cellular mechanistic system by silver nanoparticle toxicity: Cytotoxic, genotoxic and epigenetic potentials. 2015 , 221, 4-21	86
318	Toxicological Effects and Mechanisms of Silver Nanoparticles. 2015 , 109-138	1
317	Nanoparticle-Mediated Delivery of Therapeutic Drugs. 2015 , 29, 155-167	9
316	Mechanism of Preparing Spherical Nano-sized Silver Particles via o-Phenylenediamine Reduction Process in Water-NMPD Mixed Solution System. 2015 , 44, 1071-1074	6
315	Nanoparticles as potential new generation broad spectrum antimicrobial agents. 2015 , 23, 43	85
314	Nanoparticles in the fight against mosquito-borne diseases: bioactivity of <i>Bruguiera cylindrica</i> -synthesized nanoparticles against dengue virus DEN-2 (in vitro) and its mosquito vector <i>Aedes aegypti</i> (Diptera: Culicidae). 2015 , 114, 4349-61	50
313	Antimicrobial photodynamic inactivation in nanomedicine: small light strides against bad bugs. 2015 , 10, 2379-404	123
312	Antiviral activity of cuprous oxide nanoparticles against Hepatitis C Virus in vitro. 2015 , 222, 150-7	92
311	Self-assemblies of plasmonic gold/layered double hydroxides with highly efficient antiviral effect against the hepatitis B virus. 2015 , 8, 3512-3523	22
310	Synthesis, characterization, optical and antimicrobial studies of polyvinyl alcohol-silver nanocomposites. 2015 , 138, 434-40	23
309	Nanoparticles. 2016 , 483-509	2

308	Scopes of green synthesized metal and metal oxide nanomaterials in antimicrobial therapy. 2016 , 313-341	2
307	Mechanistic Basis of Antimicrobial Actions of Silver Nanoparticles. 2016 , 7, 1831	734
306	Antiviral Activity of Graphene-Silver Nanocomposites against Non-Enveloped and Enveloped Viruses. 2016 , 13, 430	144
305	Nanoparticles: Alternatives Against Drug-Resistant Pathogenic Microbes. 2016 , 21,	256
304	Dual-Functionality Fullerene and Silver Nanoparticle Antimicrobial Composites via Block Copolymer Templates. 2016 , 8, 33583-33591	17
303	Low Concentrations of a Silver-Based Nanocomposite to Manage Bacterial Spot of Tomato in the Greenhouse. 2016 , 100, 1460-1465	80
302	Seed-Mediated Hot-Injection Synthesis of Tiny Ag Nanocrystals on Nanoscale Solid Supports and Reaction Mechanism. 2016 , 8, 10551-61	35
301	Photo-induced rapid biosynthesis of silver nanoparticle using aqueous extract of <i>Xanthium strumarium</i> and its antibacterial and antileishmanial activity. 2016 , 37, 224-236	45
300	Green synthesis and antimicrobial activity of silver nanoparticles using wild medicinal mushroom <i>Ganoderma applanatum</i> (Pers.) Pat. from Similipal Biosphere Reserve, Odisha, India. 2016 , 10, 184-9	44
299	In vitro biocompatibility of anodized titanium with deposited silver nanodendrites. 2016 , 51, 5259-5270	14
298	Protective hybrid coating containing silver, copper and zinc cations effective against human immunodeficiency virus and other enveloped viruses. 2016 , 16 Suppl 1, 56	51
297	Algal production of nano-silver and gold: Their antimicrobial and cytotoxic activities: A review. 2016 , 14, 299-310	56
296	Silver Nanoparticles (AgNP) in the Environment: a Review of Potential Risks on Human and Environmental Health. 2016 , 227, 1	82
295	Differential biological activities of silver nanoparticles against Gram-negative and Gram-positive bacteria. 2016 , 193-227	6
294	Anticancer effects of silver nanoparticles encapsulated by <i>Taxus baccata</i> extracts. 2016 , 223, 549-556	44
293	Photoinduced Formation of Colloidal Silver in Nitrocellulose Solutions Containing Titanium Alkoxides. 2016 , 83, 466-471	
292	Marine-Derived Fungi: Potential Candidates for Fungal Nanobiotechnology. 2016 , 47-69	4
291	Antifungal nanomaterials. 2016 , 343-383	8

290	Sunlight-induced green synthesis of silver nanoparticles using aqueous leaf extract of <i>Polyalthia longifolia</i> and its antioxidant activity. 2016 , 181, 371-377	44
289	Viral Inhibition Mechanism Mediated by Surface-Modified Silica Nanoparticles. 2016 , 8, 16564-72	60
288	Ion exchange defines the biological activity of titanate nanotubes. 2016 , 56, 557-65	12
287	Silver Nanoparticle-Induced Autophagic-Lysosomal Disruption and NLRP3-Inflammasome Activation in HepG2 Cells Is Size-Dependent. 2016 , 150, 473-87	122
286	Assessment of silver nanoparticles contamination on faba bean-Rhizobium leguminosarum bv. viciae-Glomus aggregatum symbiosis: Implications for induction of autophagy process in root nodule. 2016 , 218, 163-177	62
285	Novel therapeutic investigational strategies to treat severe and disseminated HSV infections suggested by a deeper understanding of in vitro virus entry processes. 2016 , 21, 682-91	11
284	Dose and Size-Dependent Antiviral Effects of Silver Nanoparticles on Feline Calicivirus, a Human Norovirus Surrogate. 2016 , 13, 239-44	42
283	Curcumin modified silver nanoparticles for highly efficient inhibition of respiratory syncytial virus infection. 2016 , 8, 3040-8	172
282	Evaluation of Ag nanoparticle coated air filter against aerosolized virus: Anti-viral efficiency with dust loading. 2016 , 301, 547-53	61
281	Development of Nano-Antimicrobial Biomaterials for Biomedical Applications. 2017 , 479-545	22
280	Comparative studies of three novel freshwater microalgae strains for synthesis of silver nanoparticles: insights of characterization, antibacterial, cytotoxicity and antiviral activities. 2017 , 29, 1851-1863	23
279	Analytical-Based Methodologies for Examining the In Vitro Absorption, Distribution, Metabolism, and Elimination (ADME) of Silver Nanoparticles. 2017 , 13, 1603093	6
278	Metal homeostasis in bacteria: the role of ArsR-SmtB family of transcriptional repressors in combating varying metal concentrations in the environment. 2017 , 30, 459-503	22
277	Toxicity of silver nanoparticles in biological systems: Does the complexity of biological systems matter?. 2017 , 276, 11-20	150
276	Silver nanoparticle treatment ameliorates biliary atresia syndrome in rhesus rotavirus inoculated mice. 2017 , 13, 1041-1050	16
275	Biosynthesis of silver nanoparticles by using <i>Camellia japonica</i> leaf extract for the electrocatalytic reduction of nitrobenzene and photocatalytic degradation of Eosin-Y. 2017 , 170, 164-172	54
274	Cytotoxicity and antiviral activity of electrochemical - synthesized silver nanoparticles against poliovirus. 2017 , 241, 52-57	90
273	Applications of Metallic Nanoparticles in Antimicrobial Therapy. 2017 , 411-444	8

272	Disinfection of various bacterial pathogens using novel silver nanoparticle-decorated magnetic hybrid colloids. 2017 , 609, 289-296	17
271	Myconanotechnology to Treat Infectious Diseases: A Perspective. 2017 , 235-261	1
270	Role of Nanoparticles in Treatment of Human Parasites. 2017 , 307-333	3
269	The silver lining: towards the responsible and limited usage of silver. 2017 , 123, 1068-1087	19
268	A review on green synthesis of silver nanoparticles and their applications. 2017 , 45, 1272-1291	326
267	Biogenic Synthesis of Silver Nanoparticles and Their Applications in Medicine. 2017 , 171-187	
266	Metal Nanoparticles for Microbial Infection. 2017 , 77-109	2
265	The Application, Neurotoxicity, and Related Mechanisms of Silver Nanoparticles. 2017 , 151-177	2
264	Silver Nanoparticles as Antimicrobial Agents: Past, Present, and Future. 2017 , 577-596	18
263	Metal-Based Nanoparticles for the Treatment of Infectious Diseases. 2017 , 22,	117
262	A Recombinant Infectious Clone Tagged with the Rosea1 Visual Marker (PVY-Ros1) Facilitates the Analysis of Viral Infectivity and Allows the Production of Large Amounts of Anthocyanins in Plants. 2017 , 8, 611	16
261	Genome sequencing and analysis of the first spontaneous Nanosilver resistant bacterium strain SCDR1. 2017 , 6, 119	9
260	Mechanisms Underlying Neurotoxicity of Silver Nanoparticles. 2018 , 1048, 227-250	24
259	Phytochemical-assisted synthetic approaches for silver nanoparticles antimicrobial applications: A review. 2018 , 256, 326-339	111
258	Nanotechnology for the Treatment of Stony Materials Surface Against Biocoatings. 2018 , 223-257	
257	Bactericidal effect of silver nanoparticles against propagation of <i>Clavibacter michiganensis</i> infection in <i>Lycopersicon esculentum</i> Mill. 2018 , 115, 358-362	10
256	Identifying Challenges in Assessing Risks of Exposures of Silver Nanoparticles. 2018 , 10, 61-75	10
255	Potential applications and human biosafety of nanomaterials used in nanomedicine. 2018 , 38, 3-24	62

254	Biological synthesis of silver nanoparticles using β 1, 3 glucan binding protein and their antibacterial, antibiofilm and cytotoxic potential. 2018 , 115, 31-40	40
253	Applications of Noble Metal-Based Nanoparticles in Medicine. 2018 , 19,	94
252	Near-Field Aspects of Antiviral Action of Complex Nanoparticles on Adenovirus. 2018 ,	
251	Antiviral Activity of Tannic Acid Modified Silver Nanoparticles: Potential to Activate Immune Response in Herpes Genitalis. 2018 , 10,	60
250	Antiviral Activity of Graphene Oxide-Silver Nanocomposites by Preventing Viral Entry and Activation of the Antiviral Innate Immune Response.. 2018 , 1, 1286-1293	62
249	The activity of silver nanoparticles against microalgae of the Prototheca genus. 2018 , 13, 1025-1036	11
248	Ultrastructural and biochemical features of cerebral microvessels of adult rat subjected to a low dose of silver nanoparticles. 2018 , 408, 31-38	12
247	Metallic nanoparticle synthesised by biological route: safer candidate for diverse applications. 2018 , 12, 392-404	5
246	Inactivation of influenza A virus via exposure to silver nanoparticle-decorated silica hybrid composites. 2018 , 25, 27021-27030	30
245	Ultra-sonication-assisted silver nanoparticles using Panax ginseng root extract and their anti-cancer and antiviral activities. 2018 , 188, 6-11	70
244	Nanoantimicrobials for Plant Pathogens Control: Potential Applications and Mechanistic Aspects. 2018 , 87-109	6
243	Nanoparticles and their antimicrobial properties against pathogens including bacteria, fungi, parasites and viruses. 2018 , 123, 505-526	147
242	Nanoparticles as antiviral agents against adenoviruses. 2018 , 9, 025021	38
241	Noble metal nanoparticles: synthesis, and biomedical implementations. 2018 , 177-233	6
240	Subchronic and chronic toxicity evaluation of inorganic nanoparticles for delivery applications. 2019 , 144, 112-132	65
239	Loading AKBA on surface of silver nanoparticles to improve their sedative-hypnotic and anti-inflammatory efficacies. 2019 , 14, 2783-2798	2
238	Metallic nanoparticles as a potential antimicrobial for catheters and prostheses. 2019 , 153-196	1
237	Antiviral Properties of Nanoparticles on Herpes Simplex Virus Type I and. 2019 , 10, 959	13

236	Magnetic Functionalized Nanoparticles for Biomedical, Drug Delivery and Imaging Applications. 2019 , 14, 188	102
235	Tungsten carbide nanoparticles show a broad spectrum virucidal activity against enveloped and nonenveloped model viruses using a guideline-standardized in vitro test. 2019 , 69, 302-309	9
234	Usage of nanoparticles as adsorbents for waste water treatment: An emerging trend. 2019 , 22, e00128	34
233	Polyphosphonium-oligochitosans decorated with nanosilver as new prospective inhibitors for common human enteric viruses. 2019 , 226, 115261	42
232	The pH-dependent electrostatic interaction of a metal nanoparticle with the MS2 virus-like particles. 2019 , 730, 84-88	4
231	Silver nanoparticles selectively induce human oncogenic Herpesvirus-related cancer cell death through reactivating viral lytic replication. 2019 , 10, 392	19
230	Modifying the second order dispersion of femtosecond laser pulses to crack silver nanoparticles and control their dimensions. 2019 , 118, 1-7	1
229	Antimicrobial activity of silver nanoparticles. 2019 , 461-484	29
228	Silver-Nanoparticle-Mediated Therapies in the Treatment of Pancreatic Cancer. 2019 , 2, 1758-1772	11
227	Medical and Microbial Applications of Controlled Shape of Silver Nanoparticles Prepared by Ionizing Radiation. 2019 , 9, 414-422	8
226	Plant-Based Fabrication of Silver Nanoparticles and Their Application. 2019 , 135-175	6
225	Drug repurposing for new, efficient, broad spectrum antivirals. 2019 , 264, 22-31	43
224	In vitro anthelmintic effect of biologically synthesized silver nanoparticles on liver amphistome, <i>Gigantocotyle explanatum</i> . 2019 , 198, 95-104	9
223	Iron oxide nanoparticles based antiviral activity of H1N1 influenza A virus. 2019 , 25, 325-329	72
222	Microwave-Assisted Green Synthesis of Non-Cytotoxic Silver Nanoparticles Using the Aqueous Extract of <i>Rosa santana</i> (rose) Petals and Their Antimicrobial Activity. 2019 , 52, 1860-1873	26
221	Evaluation of the Efficiency of Interparticle Interactions in Nanosystems. 2019 , 2019, 1-8	4
220	Silver nanoparticles as potential antiviral agents against African swine fever virus. 2019 , 6, 1250g9	43
219	Silver nanoparticles as unique nano-drugs. 2019 , 545-580	2

218	Impact of electromagnetic fields on in vitro toxicity of silver and graphene nanoparticles. 2019 , 38, 21-31	11
217	Antiviral and Antimicrobial Potentiality of Nano Drugs. 2019 , 343-356	10
216	Temperature-dependent green biosynthesis and characterization of silver nanoparticles using balloon flower plants and their antibacterial potential. 2019 , 1177, 302-309	45
215	Antimicrobial potentials of medicinal plant's extract and their derived silver nanoparticles: A focus on honey bee pathogen. 2019 , 26, 1815-1834	21
214	Promising antimicrobial activities of oil and silver nanoparticles obtained from <i>Melaleuca alternifolia</i> leaves against selected skin-infecting pathogens. 2020 , 20, 100289	7
213	Antiviral nanoagents: More attention and effort needed?. 2020 , 35, 100976	8
212	Metal Nanoparticles: a Promising Treatment for Viral and Arboviral Infections. 2021 , 199, 3159-3176	27
211	Potent antiviral effect of silver nanoparticles on SARS-CoV-2. 2020 , 533, 195-200	139
210	Hard Nanomaterials in Time of Viral Pandemics. 2020 , 14, 9364-9388	43
209	Tackling COVID-19 pandemic through nanocoatings: Confront and exactitude. 2020 , 3, 100011	40
208	Surface Stabilization Affects Toxicity of Silver Nanoparticles in Human Peripheral Blood Mononuclear Cells. 2020 , 10,	13
207	Nanomedicine as a promising approach for diagnosis, treatment and prophylaxis against COVID-19. 2020 , 15, 2085-2102	36
206	Nanotechnology as an Alternative to Reduce the Spread of COVID-19. 2020 , 11, 15	38
205	Medicinal plants: Treasure trove for green synthesis of metallic nanoparticles and their biomedical applications. 2020 , 24, 101518	79
204	The Potential of Silver Nanoparticles for Antiviral and Antibacterial Applications: A Mechanism of Action. 2020 , 10,	130
203	Silver nanoparticles (AgNPs) as antimicrobials in marine shrimp farming: A review. 2020 , 18, 100512	9
202	Silver nanoparticles: Synthesis, investigation techniques, and properties. 2020 , 284, 102246	50
201	Advances in Antiviral Material Development. 2020 , 85, 2105	12

200	Synthesis and evaluation of polyamine carbon quantum dots (CQDs) in <i>Litopenaeus vannamei</i> as a therapeutic agent against WSSV. 2020 , 10, 7343	9
199	The Role of New Inorganic Materials in Composite Membranes for Water Disinfection. 2020 , 10,	31
198	A systematic review on use of aminoquinolines for the therapeutic management of COVID-19: Efficacy, safety and clinical trials. 2020 , 254, 117775	24
197	Silver and Graphenic Carbon Nanostructures Differentially Influence the Morphology and Viability of Cardiac Progenitor Cells. 2020 , 13,	1
196	How can the visible spectra describe interaction of nanoparticles with microbes. 2020 ,	0
195	Introduction to Active, Smart, and Intelligent Nanomaterials for Biomedical Application. 2020 , 1-16	2
194	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. 2020 , 14, 6383-6406	290
193	All Roads Lead to the Liver: Metal Nanoparticles and Their Implications for Liver Health. 2020 , 16, e2000153	28
192	Silver-Containing Titanium Dioxide Nanocapsules for Combating Multidrug-Resistant Bacteria. 2020 , 15, 1267-1281	13
191	Removal of bacteria, viruses, and other microbial entities by means of nanoparticles. 2020 , 465-491	5
190	Health Impact of Silver Nanoparticles: A Review of the Biodistribution and Toxicity Following Various Routes of Exposure. 2020 , 21,	231
189	Viral Filtration Using Carbon-Based Materials. 2020 , 3, e10107	19
188	Silver nanoparticles for delivery purposes. 2020 , 347-371	13
187	Detection and removal of biological contaminants in water: the role of nanotechnology. 2020 , 69-110	2
186	Endophytic microbes in nanotechnology: Current development, and potential biotechnology applications. 2020 , 231-262	33
185	Size-controllable preparation and antibacterial mechanism of thermo-responsive copolymer-stabilized silver nanoparticles with high antimicrobial activity. 2020 , 110, 110735	24
184	Structure, stability and chaperone function of <i>Mycobacterium leprae</i> Heat Shock Protein 18 are differentially affected upon interaction with gold and silver nanoparticles. 2020 , 152, 250-260	4
183	Nano Antiviral Photodynamic Therapy: a Probable Biophysicochemical Management Modality in SARS-CoV-2. 2021 , 18, 265-272	9

182	Toxicological alterations induced by subacute exposure of silver nanoparticles in Wistar rats. 2021 , 41, 972-986	6
181	Nanotechnology for virus treatment. 2021 , 36, 101031	25
180	Update on the role of antiseptics in the management of chronic wounds with critical colonisation and/or biofilm. 2021 , 18, 342-358	14
179	Recent advances in synthesis, characterization, and applications of nanoparticles for contaminated water treatment- A review. 2021 , 47, 1526-1550	31
178	Silver nanoparticle based multifunctional approach for combating COVID-19. 2021 , 2, 100101	22
177	Antiviral-nanoparticle interactions and reactions. 2021 , 8, 11-19	5
176	Influence of nanotechnology to combat against COVID-19 for global health emergency: A review. 2021 , 2, 100079	24
175	Silver Nanoparticle as an Effective Antiviral Agent. 2021 , 247-265	5
174	Industrial Perspective of Microbial Application of Nanoparticles Synthesis. 2021 , 155-190	
173	Synthetic preparations and atomic scale engineering of silver nanoparticles for biomedical applications. 2021 , 13, 13923-13942	5
172	Nanosilver-based strategy to control zoonotic viral pathogens. 2021 , 705-722	
171	Antiviral nanoparticle ligands identified with datamining and high-throughput virtual screening.. 2021 , 11, 23136-23143	1
170	Hot Injection Method for Nanoparticle Synthesis: Basic Concepts, Examples and Applications. 2021 , 383-434	1
169	Mechanisms of Action of Nanoparticles in Living Systems. 2021 , 1555-1571	1
168	Nanoparticle Biosynthesis and Interaction with the Microbial Cell, Antimicrobial and Antibiofilm Effects, and Environmental Impact. 2021 , 371-405	1
167	All That Glitters Is Not Silver-A New Look at Microbiological and Medical Applications of Silver Nanoparticles. 2021 , 22,	12
166	Role of nanoparticles in tackling COVID-19 pandemic: a bio-nanomedical approach. 2021 , 15, 198-207	3
165	Nanomedicine for COVID-19: the role of nanotechnology in the treatment and diagnosis of COVID-19. 2021 , 4, 1-25	35

164	Surface-aerosol stability and pathogenicity of diverse MERS-CoV strains from 2012 - 2018. 2021,	2
163	New Strategy of Reducing Biofilm Forming Bacteria in Oral Cavity by Bismuth Nanoparticles. 2021, 2021, 6695692	3
162	Nano Silver Coated Surgical Apparels and Phaco Needles for Safety of Ophthalmic Surgeons in View of COVID-19 Pandemic. 2021, 15, 9-12	1
161	Antiviral application of colloidal and immobilized silver nanoparticles. 2021, 32, 205102	1
160	A proposed insight into the anti-viral potential of metallic nanoparticles against novel coronavirus disease-19 (COVID-19). 2021, 45, 36	14
159	State-of-the-Art of Nanodiagnostics and Nanotherapeutics against SARS-CoV-2. 2021, 13, 14816-14843	13
158	Engineered Nanomaterials for Aviation Industry in COVID-19 Context: A Time-Sensitive Review. 2021, 11, 382	8
157	Green synthesis and characterization of silver-entecavir nanoparticles with stability determination. 2021, 14, 102974	3
156	Fighting viruses with materials science: Prospects for antiviral surfaces, drug delivery systems and artificial intelligence. 2021, 37, 496-507	5
155	Trends in the Antiviral Chemical Activity of Material Surfaces Associated With the SARS-CoV-2 Outbreak. 2021, 3,	2
154	Anticancer Potential of Biogenic Silver Nanoparticles: A Mechanistic Study. 2021, 13,	16
153	Antiviral Activity of Silver, Copper Oxide and Zinc Oxide Nanoparticle Coatings against SARS-CoV-2. 2021, 11,	21
152	The Role of Biosynthesized Silver Nanoparticles in Antimicrobial Mechanisms. 2021, 22, 762-772	3
151	Nanotechnology Based Drug Delivery for HIV-AIDS Treatment.	3
150	Silver Nanoparticles Stable to Oxidation and Silver Ion Release Show Size-Dependent Toxicity In Vivo. 2021, 11,	11
149	Focused role of nanoparticles against COVID-19: Diagnosis and treatment. 2021, 34, 102287	10
148	Surface chemistry-dependent antiviral activity of silver nanoparticles. 2021, 32,	6
147	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. 2021, 11,	4

146	Nanotechnology-Based Approach to Combat Pandemic COVID 19: A Review. 2021 , 397, 2000336	1
145	Silver, copper and copper oxide nanoparticles in the fight against human viruses: progress and perspectives. 2021 , 1-19	8
144	Biomedical Applications of Silver Nanoparticles (Review). 2021 , 10, 176-187	1
143	A Green, Simple and Facile Way to Synthesize Silver Nanoparticles Using Soluble Starch. pH Studies and Antimicrobial Applications. 2021 , 14,	3
142	Development of Novel Antimicrobial and Antiviral Green Synthesized Silver Nanocomposites for the Visual Detection of Fe Ions. 2021 , 11,	1
141	Design cytotoxicity: The effect of silver nanoparticles stabilized by selected antioxidants on melanoma cells. 2021 ,	4
140	Effectiveness of the Nanosilver/TiO-Chitosan Antiviral Filter on the Removal of Viral Aerosols. 2021 , 34, 293-302	7
139	Bioinspired and green synthesis of nanoparticles from plant extracts with antiviral and antimicrobial properties: A critical review. 2021 , 25, 101304	33
138	Biofabricated smart-nanosilver: Promising armamentarium for cancer and pathogenic diseases. 2021 , 44, 100459	3
137	Role of different types of nanomaterials against diagnosis, prevention and therapy of COVID-19. 2021 , 72, 103046	6
136	Silver nanoparticles with epigallocatechingallate and zinc sulphate significantly inhibits avian influenza A virus H9N2. 2021 , 158, 105071	4
135	Light and electron microscopy imaging unveils new aspects of the antiviral capacity of silver nanoparticles in bunyavirus-infected cells. 2021 , 302, 198444	10
134	Engineered Nanoparticles for Prevention against CoVID-19 Infection. 1166, 41-55	
133	Antiviral nanoparticles for sanitizing surfaces: A roadmap to self-sterilizing against COVID-19. 2021 , 40, 101267	20
132	Antibacterial performance of hybrid nanocomposite coatings containing clay and silver nanoparticles. 2021 , 628, 127354	1
131	A critical assessment on biochemical and molecular mechanisms of toxicity developed by emerging nanomaterials on important microbes. 2021 , 16, 100485	1
130	Inorganic and Polymeric Nanoparticles for Human Viral and Bacterial Infections Prevention and Treatment. 2021 , 11,	9
129	A comprehensive review on antimicrobial face masks: an emerging weapon in fighting pandemics.. 2021 , 11, 6544-6576	34

128	Nanoparticles-Mediated Interventions to Prevent Herpes Simplex Virus (HSV) Entry into Susceptible Hosts. 2021 , 347-370	
127	Surface-Modified Noble Metal Nanoparticles as Antimicrobial Agents: Biochemical, Molecular and Therapeutic Perspectives. 2021 , 165-205	2
126	New Textile for Personal Protective Equipment Plasma Chitosan/Silver Nanoparticles Nylon Fabric. 2021 , 9, 3	8
125	The role of an innovative disinfection system based on silver and hydrogen peroxide in infection prevention. 2021 , 343, 10003	
124	Nanoformulations: A Valuable Tool in the Therapy of Viral Diseases Attacking Humans and Animals. 2019 , 137-178	5
123	Light, Electromagnetic Spectrum, and Photostimulation of Microorganisms with Special Reference to Chaetomium. 2020 , 377-393	3
122	Microbial Synthesis of Silver Nanoparticles and Their Biological Potential. 2020 , 99-133	12
121	Antibacterial and Antiviral Functional Materials: Chemistry and Biological Activity toward Tackling COVID-19-like Pandemics. 2021 , 4, 8-54	75
120	Induction of extrinsic and intrinsic apoptosis in cervical cancer cells by mediated gold nanoparticles. 2020 , 14, 172-179	4
119	Inorganic nanomaterials for fighting surface and airborne pathogens and viruses. 2020 , 1, 032003	7
118	Virucidal activity of silver nanoparticles against Banana bunchy top virus (BBTV) in banana plants. 2020 , 44,	6
117	Silver Nanomaterials in Contemporary Molecular Physiology Research. 2020 , 27, 411-422	0
116	Improved method for separation of silver nanoparticles synthesized using the Nyctanthes arbor-tristis shrub. 2019 , 3, 35-42	11
115	Commercial metal-based nanocolloids--lack of virucidal activity against ECBO virus. 2014 , 17, 507-9	1
114	Challenges and approaches to medical rehabilitation of patients with COVID-19 complications. 2020 , 97, 3-13	12
113	Mechanisms of Action of Nanoparticles in Living Systems. 2018 , 220-236	5
112	Evaluation of a new Argovit as an antiviral agent included in feed to protect the shrimp against White Spot Syndrome Virus infection. 2020 , 8, e8446	16
111	Antiviral Effect of Nonfunctionalized Gold Nanoparticles against Herpes Simplex Virus Type-1 (HSV-1) and Possible Contribution of Near-Field Interaction Mechanism. 2021 , 26,	9

110	Biocide effect against SARS-CoV-2 and ESKAPE pathogens of a noncytotoxic silver-copper nanofilm. 2021 , 17,	0
109	Introduction. 2015 , 1-8	
108	Possible mechanism of inhibition of virus infectivity with nanoparticles. 2016 , 19, 220-224	1
107	Possible method for evaluation of virus, bacteria and yeasts infectivity by optical measurements. 2016 , 19, 299-302	
106	Literature Review. 2017 , 13-35	
105	Nanobotany and Pharmaceuticals. 2018 , 131-159	
104	Therapeutic potential of sulfathiazole silver for topical treatment of wound infection. 2018 , 42-51	1
103	Nanoparticle-Mediated Chaetomium, Unique Multifunctional Bullets: What Do We Need for Real Applications in Agriculture?. 2020 , 267-300	
102	Nanoscale Specific Analytics: How to Push the Analytic Excellence in Express Analysis of CBRN. 2020 , 199-216	
101	Antimicrobial silver nanoparticle-photodeposited fabrics for destruction. 2021 , 45, 100542	5
100	In Vivo Effects of Orally Administered Different Concentrations of Silver Oxide Nanoparticles in Hyperuricemic Mice. 2021 , 1	
99	Plant extract and agricultural waste-mediated synthesis of silver nanoparticles and their biochemical activities. 2022 , 285-315	2
98	Core-shell silver nanoparticles: Synthesis, characterization, and applications. 2022 , 75-97	0
97	Nanomaterials for Agriculture Input Use Efficiency. 2020 , 137-175	3
96	Tea Essential Oil/Metal Hybrid Nanocoatings for Bacterial and Viral Inactivation.	3
95	Nanotechnology Applications of Flavonoids for Viral Diseases. 2021 , 13,	5
94	Nanocomposites based on polylactide and silver nanoparticles and their antimicrobial and antiviral applications. 2021 , 105096	6
93	Phytochemical-Based Nanoparticles as Foes and Friends. 2020 , 295-321	

92	Particulate vaccines against SARS-CoV-2. 2022 , 153-171	1
91	Trends of Antibacterial, Antivirus and Antibiofilm Surface Treatments. 2021 , 72, 252-258	1
90	Investigating the Photothermal Disinfecting Properties of Light-Activated Silver Nanoparticles.	2
89	Synthesis of Chitosan-Silver Nanoparticle Composite Spheres and Their Antimicrobial Activities. 2021 , 13,	4
88	Similarities and Differences in the Mechanism of Antibacterial Action of Silver Ions and Nanoparticles. 2021 , 57, 683-693	1
87	Biosynthesis of Silver Nanoparticles by <i>Conyza canadensis</i> and Their Antifungal Activity against <i>Bipolaris maydis</i> . 2021 , 11, 1443	1
86	Exploiting the antiviral potential of intermetallic nanoparticles. 2021 , 1-10	0
85	Silver Nanoparticles as Potential Antiviral Agents.. 2021 , 13,	7
84	Application of silver nanoparticles as a new alternative antiviral agent for SARS-CoV-2: A Review. 2021 , 17,	1
83	Surface-Aerosol Stability and Pathogenicity of Diverse Middle East Respiratory Syndrome Coronavirus Strains, 2012-2018. 2021 , 27, 3052-3062	0
82	Viricidal Potential of Plasmonic and Metal Oxide Nanostructures: A Review. 2020 ,	0
81	Exploration of Inorganic Materials with Antiviral Properties. 2022 , 53-74	0
80	Review on Nanoparticles and Nanostructured Materials: Bioimaging, Biosensing, Drug Delivery, Tissue Engineering, Antimicrobial, and Agro-Food Applications.. 2022 , 12,	28
79	Bacteriophages and viruses (not alive, but important). 2022 , 103-124	
78	Synthesis approach-dependent antiviral properties of silver nanoparticles and nanocomposites.. 2022 , 1-23	9
77	The Emerging Roles of Silver nanoparticles to Target Viral Life-Cycle and Detect Viral Pathogens.. 2022 ,	1
76	Phi 6 Bacteriophage Inactivation by Metal Salts, Metal Powders, and Metal Surfaces.. 2022 , 14,	4
75	Multifarious global flora fabricated phytosynthesis of silver nanoparticles: a green nanoweapon for antiviral approach including SARS-CoV-2.. 2022 , 1-32	2

74	Antiviral potential of green-synthesized silver nanoparticles. 2022 , 285-310	1
73	Perspectives of Metals and Metal Oxide Nanoparticles for Antimicrobial Consequence [An Overview. 2022 , 397-418	
72	Finite Element Analysis of Silver Nanorods, Spheres, Ellipsoids and Core-Shell Structures for Hyperthermia Treatment of Cancer.. 2022 , 15,	1
71	Application of Metal Nanoparticles for Production of Self-Sterilizing Coatings. 2022 , 12, 480	1
70	Potent antiviral effect of green synthesis silver nanoparticles on Newcastle Disease Virus. 2022 , 103899	1
69	New Advances in Nanomaterial-Based Antiviral Strategies.	2
68	Radio-sensitivity on MCF-7 cells of silver nanoparticles synthesized by Silybum marianum. 1-9	0
67	Nanoscience versus Viruses: The SARS-CoV-2 Case. 2022 , 32, 2107826	2
66	Antimicrobial Polymeric Composites for High-touch Surfaces in Healthcare Applications.. 2022 , 100395	1
65	The use of nanotechnology in the fight against viruses: A critical review. 2022 , 464, 214559	5
64	Nanosilver—A Versatile and New-Generation Nanoproduct in Biomedical Applications. 2022 , 575-594	
63	Targeting of Silver Cations, Silver-Cystine Complexes, Ag Nanoclusters, and Nanoparticles towards SARS-CoV-2 RNA and Recombinant Virion Proteins. 2022 , 14, 902	0
62	Nano drug (AgNPs capped with hydroxychloroquine): Synthesis, characterization, anti-covid-19 and healing the wound infected with S. aureus.. 2022 , 287, 126249	0
61	Nanoparticles of Bioactive Metals/Metal Oxides and Their Nanocomposites with Antibacterial Drugs for Biomedical Applications. 2022 , 15, 3602	4
60	Inhibitory activity and mechanism of silver nanoparticles against herpes simplex virus type 1.	0
59	Algal Extract-Biosynthesized Silver Nanoparticles: Biomedical Applications. 2022 , 1-16	
58	Antiviral nanopharmaceuticals: Engineered surface interactions and virus-selective activity.	0
57	Structure-Morphology-Antimicrobial and Antiviral Activity Relationship in Silver-Containing Nanocomposites Based on Polylactide. 2022 , 27, 3769	1

- 56 Nanoparticles: A New Approach for treatment of bacterial and viral hepatic infections via modulating oxidative stress and DNA fragmentation. **2022**, 105927 0
- 55 Ebgstrom-scale silver particles potently combat SARS-CoV-2 infection by suppressing the ACE2 expression and inflammatory responses. 1
- 54 Personal protective equipment to protect from viruses. **2022**, 79-111
- 53 Nano-targeted drug delivery approaches for viral infections. **2022**, 233-260
- 52 Antiviral effects of coinage metal-based nanomaterials to combat COVID-19 and its variants. 0
- 51 Nanotechnology-based approaches against COVID-19. **2022**, 305-364
- 50 A Study on the Synthesis of Silver Nanoparticles Using Oregano Extract and Antibacterial Coating for Eyeglass Frames. **2022**, 27, 123-132
- 49 Advances in Nanotechnology as a Potential Alternative for Plant Viral Disease Management. 13, 1
- 48 Nanophysics in modern medicine. **2022**, 25, 185-195
- 47 Synthesis and Characterization of Tween-20 Capped Biosynthesized Silver Nanoparticles for Anticancer and Antimicrobial Property.
- 46 The Mucosal Microbiome: Impact of Nanoparticles and Nanomaterials. **2022**, 353-381
- 45 Antiviral Properties of Cerium Nanoparticles. **2022**, 70, 187-204
- 44 Nanoparticles and essential oils with antiviral activity on packaging and surfaces: An overview of their selection and application.
- 43 Characterization and potential applications of silver nanoparticles: an insight on different mechanisms. *Chimica Techno Acta*, **2022**, 9, 20229402 1.3
- 42 Design and construction of bioinspired supramolecular self-assembled nanostructures. **2022**, 9-32
- 41 Computer Simulation of the interaction between SARS-CoV-2 Spike Protein and the Surface of Coinage Metals. 0
- 40 Effectiveness of Silver Nanoparticles Deposited in Facemask Material for Neutralising Viruses. **2022**, 12, 2662 0
- 39 Nanoparticles in clinical trials of COVID-19: An update. **2022**, 104, 106818 3

38	Nano-Ag Particles Embedded in C-Matrix: Preparation, Properties and Application in Cell Metabolism. 2022 , 15, 5826	
37	Virus deformation or destruction: size-dependence of antiviral and virucidal activities of gold nanoparticles. 2022 , 13, 035008	
36	Biosynthesis and characterization of <i>Serratia marcescens</i> derived silver nanoparticles: Investigating its antibacterial, anti-biofilm potency and molecular docking analysis with biofilm-associated proteins. 2022 , 365, 120094	0
35	Antiviral potential of nanomaterials: The fight against viruses. 2023 , 101-132	0
34	Enhanced antibacterial activity of cotton via silver nanocapsules deposited by atmospheric pressure plasma jet.	0
33	Synthesis and Biological Use of Nanomaterials. 2022 , 793-858	0
32	Amine-Functionalized Silver Nanoparticles: A Potential Antiviral-Coating Material with Trap and Kill Efficiency to Combat Viral Dissemination (COVID-19).	0
31	Secondary Metabolites Produced by Plant Growth-Promoting Bacterial Endophytes. 2022 , 10, 2008	2
30	Ponderomotive forces in the system of two nanoparticles. 2022 , 12,	1
29	Suppression Effect of <i>Ulva lactuca</i> Selenium Nanoparticles (USEnPs) on HepG2 Carcinoma Cells Resulting from Degradation of Epidermal Growth Factor Receptor (EGFR) with an Evaluation of Its Antiviral and Antioxidant Activities. 2022 , 12, 11546	2
28	Development of Ag-doped on multi-walled carbon nanotubes for the treatment of fish pond effluent. 2023 , 58, 102797	0
27	Chronic toxicity of shrimp feed added with silver nanoparticles (Argovit-4) in <i>Litopenaeus vannamei</i> and immune response to white spot syndrome virus infection. 10, e14231	0
26	Computer Simulation of the Interaction between SARS-CoV-2 Spike Protein and the Surface of Coinage Metals. 2022 , 38, 14673-14685	1
25	Advanced Plasmonic Nanoparticle-Based Techniques for the Prevention, Detection, and Treatment of Current COVID-19.	1
24	Characterization of Ag-Ion Releasing Zeolite Filled 3D Printed Resins. 2023 , 14, 7	0
23	Evaluation of <i>Polycladia myrica</i> mediated selenium nanoparticles (PoSeNPS) cytotoxicity against PC-3 cells and antiviral activity against HAV HM175 (Hepatitis A), HSV-2 (Herpes simplex II), and Adenovirus strain 2. 9,	0
22	Addressing the Silent Spread of Monkeypox Disease with Advanced Analytical Tools. 2206633	0
21	Inhibition of White Spot Syndrome Virus (WSSV) in Pacific White Shrimp (<i>Litopenaeus vannamei</i>) Using Polyamine-Modified Carbon Quantum Dots. 2023 , 67-73	0

- 20 Nanotechnology in Virology. **2023**, 75-107 ○
- 19 Nano-antivirals: A comprehensive review. 4, ○
- 18 Silver nanoparticles inhibit goatpox virus replication. **2023**, 168, ○
- 17 Characterization, antibacterial, antioxidant, antidiabetic, and anti-inflammatory activities of green synthesized silver nanoparticles using *Phragmanthera austroarabica* A. G. Mill and J. A. Nyberg extract. 13, ○
- 16 Green Synthesis of Silver Nanoparticles with Extract of Indian Ginseng and In Vitro Inhibitory Activity against Infectious Bursal Disease Virus Thereof. **2023**, 2, 12-22 ○
- 15 Advanced implications of nanotechnology in disease control and environmental perspectives. **2023**, 158, 114172 3
- 14 An overview of synthesis and applications of silver nano-particles. **2023**, ○
- 13 Endophytes based nanoparticles: A novel source of biological activities. **2023**, 223-236 ○
- 12 Nanomedicine for drug resistant pathogens and COVID-19 using mushroom nanocomposite inspired with bacteriocin [A review]. **2023**, 152, 110682 ○
- 11 Antimicrobial Nanomaterials as Advanced Coatings for Self-Sanitizing of Textile Clothing and Personal Protective Equipment. **2023**, 8, 8159-8171 ○
- 10 Silver Nanoparticles: Review of Antiviral Properties, Mechanism of Action and Applications. **2023**, 11, 629 ○
- 9 Recent advances in antiviral coatings on facemasks during the COVID-19 pandemic. **2023**, 267-293 ○
- 8 Surface-modified biomaterials as disinfectants to combat viral infections: a SARS-COV-2 case study. **2023**, 147-169 ○
- 7 Nanotechnology advancements in antiviral coatings to combat viral infection surfaces. **2023**, 125-146 ○
- 6 Green Biogenic of Silver Nanoparticles Using Polyphenolic Extract of Olive Leaf Wastes with Focus on Their Anticancer and Antimicrobial Activities. **2023**, 12, 1410 ○
- 5 Antiviral Activity of Active Materials: Standard and Finger-Pad-Based Innovative Experimental Approaches. **2023**, 16, 2889 ○
- 4 A Novel Vision of Reinforcing Nanofibrous Masks with Metal Nanoparticles: Antiviral Mechanisms Investigation. ○
- 3 *Polycladia myrica*-based delivery of selenium nanoparticles in combination with radiotherapy induces potent in vitro antiviral and in vivo anticancer activities against Ehrlich ascites tumor. 10, ○

2 Therapeutic Perspectives of Metal Nanoformulations. **2023**, 2, 232-278 ○

1 Anti-Hepatitis C Virus (HCV) and Cytotoxic Activity of Sofosbuvir Decorated Dextran Stabilized Silver Nanoparticles. ○