Inhibition of HIV Fusion with Multivalent Gold Nanopa

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Citation Report

#	Article	IF	CITATIONS
1	Application of asymmetric flow field-flow fractionation (AsFIFFF) coupled to inductively coupled plasma mass spectrometry (ICPMS) to the quantitative characterization of natural colloids and synthetic nanoparticles. Analytical and Bioanalytical Chemistry, 2008, 392, 1447-1457.	1.9	78
2	Binding to protein surfaces by supramolecular multivalent scaffolds. Current Opinion in Chemical Biology, 2008, 12, 698-706.	2.8	100
3	Carbonic Anhydrase Inhibitor Coated Gold Nanoparticles Selectively Inhibit the Tumor-Associated Isoform IX over the Cytosolic Isozymes I and II. Journal of the American Chemical Society, 2008, 130, 16130-16131.	6.6	102
4	Trypsin-Gold Nanoparticle Conjugates: Binding, Enzymatic Activity, and Stability. Preparative Biochemistry and Biotechnology, 2009, 39, 429-438.	1.0	31
5	Design and <i>in silico</i> screening of inhibitors of the cholera toxin. Expert Opinion on Drug Discovery, 2009, 4, 923-938.	2.5	7
6	Pharmaceutical approaches to eradication of persistent HIV infection. Expert Reviews in Molecular Medicine, 2009, 11, e6.	1.6	33
7	Epidemic modeling with discrete-space scheduled walkers: extensions and research opportunities. BMC Public Health, 2009, 9, S14.	1.2	15
8	Multivalent Mannoâ€Glyconanoparticles Inhibit DCâ€SIGNâ€Mediated HIVâ€I Transâ€Infection of Human T Cells. ChemBioChem, 2009, 10, 1806-1809.	1.3	117
10	Multimodal Gadoliniumâ€Enriched DNA–Gold Nanoparticle Conjugates for Cellular Imaging. Angewandte Chemie - International Edition, 2009, 48, 9143-9147.	7.2	174
11	Perlecan domain I-conjugated, hyaluronic acid-based hydrogel particles for enhanced chondrogenic differentiation via BMP-2 release. Biomaterials, 2009, 30, 6964-6975.	5.7	100
12	Gold nanoparticles in nanomedicine: preparations, imaging, diagnostics, therapies and toxicity. Chemical Society Reviews, 2009, 38, 1759.	18.7	2,518
13	Probing the Structure and Charge State of Glutathione-Capped Au ₂₅ (SG) ₁₈ Clusters by NMR and Mass Spectrometry. Journal of the American Chemical Society, 2009, 131, 6535-6542.	6.6	271
14	Stability of the Two Auâ^'S Binding Modes in Au ₂₅ (SG) ₁₈ Nanoclusters Probed by NMR and Optical Spectroscopy. ACS Nano, 2009, 3, 2036-2042.	7.3	118
15	Role of Nanoparticle Valency in the Nondestructive Magnetic-Relaxation-Mediated Detection and Magnetic Isolation of Cells in Complex Media. Journal of the American Chemical Society, 2009, 131, 12780-12791.	6.6	96
16	Chemistry at the Nanoâ^'Bio Interface. Journal of the American Chemical Society, 2009, 131, 7937-7939.	6.6	21
17	Engineering Nanomaterial Surfaces for Biomedical Applications. Experimental Biology and Medicine, 2009, 234, 1128-1139.	1.1	119
18	Characterization of Ironâ^'Carbonyl-Protected Gold Clusters. Journal of the American Chemical Society, 2009, 131, 12573-12575.	6.6	17
19	Anorganische Chemie 2008. Nachrichten Aus Der Chemie, 2009, 57, 221-238.	0.0	0

#	Article	IF	Citations
20	Inhibition of Herpes Simplex Virus Type 1 Infection by Silver Nanoparticles Capped with Mercaptoethane Sulfonate. Bioconjugate Chemistry, 2009, 20, 1497-1502.	1.8	305
21	Potential Oxidative Stress of Gold Nanoparticles by Induced-NO Releasing in Serum. Journal of the American Chemical Society, 2009, 131, 40-41.	6.6	198
22	NanoART, neuroAIDS and CNS drug delivery. Nanomedicine, 2009, 4, 557-574.	1.7	112
23	Dendritic Effect of Ligand-Coated Nanoparticles: Enhanced Apoptotic Activity of Silicaâ~'Berberine Nanoconjugates. Langmuir, 2009, 25, 2339-2347.	1.6	31
24	Inhibition of selectin binding by colloidal gold with functionalized shells. Chemical Communications, 2009, , 932.	2.2	30
25	Novel gold(i) phosphine compounds inhibit HIV-1 enzymes. Metallomics, 2009, 1, 427.	1.0	28
26	Structure and Bonding in the Ubiquitous Icosahedral Metallic Gold Cluster Au ₁₄₄ (SR) ₆₀ . Journal of Physical Chemistry C, 2009, 113, 5035-5038.	1.5	393
27	Nano-microbicides: Challenges in drug delivery, patient ethics and intellectual property in the war against HIV/AIDS. Advanced Drug Delivery Reviews, 2010, 62, 532-546.	6.6	66
28	Small Molecule-Capped Gold Nanoparticles as Potent Antibacterial Agents That Target Gram-Negative Bacteria. Journal of the American Chemical Society, 2010, 132, 12349-12356.	6.6	528
29	Emerging nanotechnology approaches for HIV/AIDS treatment and prevention. Nanomedicine, 2010, 5, 269-285.	1.7	201
30	Fabrication of gold nanoparticles with different morphologies in HEPES buffer. Rare Metals, 2010, 29, 180-186.	3.6	74
31	HIV, Antiretroviral Therapies, and the Brain. Current HIV/AIDS Reports, 2010, 7, 85-91.	1.1	72
32	HIV therapeutic possibilities of gold compounds. BioMetals, 2010, 23, 185-196.	1.8	39
33	Preparation of Resorcinareneâ€Functionalized Gold Nanoparticles and Their Catalytic Activities for Reduction of Aromatic Nitro Compounds. Chinese Journal of Chemistry, 2010, 28, 705-712.	2.6	34
35	Gold Nanoparticles for Biology and Medicine. Angewandte Chemie - International Edition, 2010, 49, 3280-3294.	7.2	2,096
36	Gold nanoparticles capped with sulfate-ended ligands as anti-HIV agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2718-2721.	1.0	135
37	Design and fabrication of multivalent Gal-containing quantum dots and study of its interactions with asialoglycoprotein receptor (ASGP-R). Tetrahedron Letters, 2010, 51, 4182-4185.	0.7	22
38	Inhibition of Influenza Virus Infection by Multivalent Sialicâ€Acidâ€Functionalized Gold Nanoparticles. Small, 2010, 6, 2900-2906.	5.2	257

ARTICLE IF CITATIONS # Inhibition of HSVâ€1 Attachment, Entry, and Cellâ€toâ€Cell Spread by Functionalized Multivalent Gold 39 5.2 186 Nanoparticles. Small, 2010, 6, 1044-1050. Progress in antiretroviral drug delivery using nanotechnology. International Journal of 3.3 Nanomedicine, 0, , 533. Identification of antibiotics using small molecule variable ligand display on gold nanoparticles. 41 2.2 28 Chemical Communications, 2010, 46, 7516. NanomedicineNanomedicine., 2010,, 615-735. What Controls Au Nanoparticle Dispersity during Growth?. Nano Letters, 2010, 10, 3408-3413. 43 4.5 31 Glycan Encapsulated Gold Nanoparticles Selectively Inhibit Shiga Toxins 1 and 2. Bioconjugate Chemistry, 2010, 21, 1486-1493. 1.8 Chirality and Electronic Structure of the Thiolate-Protected Au₃₈ Nanocluster. Journal 45 6.6 401 of the Ámerican Chemical Society, 2010, 132, 8210-8218. Electron Emission of Gas-Phase [Au₂₅(SG)₁₈-6H]^{7â[^]} Gold Cluster 2.1 46 and Its Action Spectroscopy. Journal of Physical Chemistry Letters, 2010, 1, 3189-3194. The Complex Role of Multivalency in Nanoparticles Targeting the Transferrin Receptor for Cancer Therapies. Journal of the American Chemical Society, 2010, 132, 11306-11313. 47 298 6.6 Site-Specific Biomolecule Labeling with Gold Clusters. Methods in Enzymology, 2010, 481, 195-230. 0.4 Binding Affinity and Kinetic Analysis of Targeted Small Molecule-Modified Nanoparticles. Bioconjugate 49 179 1.8 Chemistry, 2010, 21, 14-19. Multivalent glyconanoparticles with enhanced affinity to the anti-viral lectin Cyanovirin-N. Chemical 2.2 46 Communications, 2011, 47, 8620. A 58-electron superatom-complex model for the magic phosphine-protected gold clusters 51 3.7 44 (Schmid-gold, Nanogold®) of 1.4-nm dimension. Chemical Science, 2011, 2, 1583. Evidence for Biomagnification of Gold Nanoparticles within a Terrestrial Food Chain. Environmental Science & Chain, Technology, 2011, 45, 776-781. 4.6 Inorganic-Organic Hybrid Nanomaterials for Therapeutic and Diagnostic Imaging Applications. 53 1.8 89 International Journal of Molecular Sciences, 2011, 12, 3888-3927. Interstaple Dithiol Cross-Linking in Au₂₅(SR)₁₈ Nanomolecules: A Combined Mass Spectrometric and Computational Study. Journal of the American Chemical Society, 2011, 133, 79 20258-20266. Illuminating Epidermal Growth Factor Receptor Densities on Filopodia through Plasmon Coupling. 55 7.3 67 ACS Nano, 2011, 5, 6619-6628. Curing HIV: Pharmacologic Approaches to Target HIV-1 Latency. Annual Review of Pharmacology and 4.2 84 Toxicology, 2011, 51, 397-418.

#	Article	IF	CITATIONS
57	Gold nanoprobes for theranostics. Nanomedicine, 2011, 6, 1787-1811.	1.7	51
58	Cold compounds as therapeutic agents for human diseases. Metallomics, 2011, 3, 863.	1.0	442
59	Controllable synthesis of bifunctional NaYF4:Yb3+/Ho3+@SiO2/Au nanoparticles with upconversion luminescence and high X-ray attenuation. Journal of Alloys and Compounds, 2011, 509, 9144-9149.	2.8	16
60	Electronic Structure and Bonding of Icosahedral Core–Shell Gold–Silver Nanoalloy Clusters Au _{144–<i>x</i>} Ag _{<i>x</i>} (SR) ₆₀ . Journal of Physical Chemistry Letters, 2011, 2, 2316-2321.	2.1	71
61	Multivalent interaction and selectivities in selectin binding of functionalized gold colloids decorated with carbohydrate mimetics. Organic and Biomolecular Chemistry, 2011, 9, 7448.	1.5	25
62	Unexpected reactivity of Au25(SCH2CH2Ph)18 nanoclusters with salts. Nanoscale, 2011, 3, 1703.	2.8	45
63	Carbonic Anhydrase Activators: Gold Nanoparticles Coated with Derivatized Histamine, Histidine, and Carnosine Show Enhanced Activatory Effects on Several Mammalian Isoforms. Journal of Medicinal Chemistry, 2011, 54, 1170-1177.	2.9	54
64	Virostatic potential of micro–nano filopodia-like ZnO structures against herpes simplex virus-1. Antiviral Research, 2011, 92, 305-312.	1.9	188
65	Multifunctional nanoparticles as simulants for a gravimetric immunoassay. Analytical and Bioanalytical Chemistry, 2011, 399, 1021-1029.	1.9	15
66	Kinetic analyses and performance of a colloidal magnetic nanoparticle based immunoassay dedicated to allergy diagnosis. Analytical and Bioanalytical Chemistry, 2011, 400, 3395-3407.	1.9	18
67	Growth Inhibition of <i>Staphylococcus aureus</i> by Mixed Monolayer Gold Nanoparticles. Small, 2011, 7, 2027-2031.	5.2	47
68	More Effective Nanomedicines through Particle Design. Small, 2011, 7, 1919-1931.	5.2	403
69	Hybridizationâ€Induced "Offâ€On― ¹⁹ Fâ€NMR Signal Probe Release from DNAâ€Functionalized Nanoparticles. Small, 2011, 7, 1977-1981.	Gold 5.2	21
70	Cellâ€Free HIVâ€1 Virucidal Action by Modified Peptide Triazole Inhibitors of Env gp120. ChemMedChem, 2011, 6, 1335-1339.	1.6	36
71	A Solution NMR Study of the Interactions of Oligomannosides and the Antiâ€HIVâ€1 2G12 Antibody Reveals Distinct Binding Modes for Branched Ligands*. Chemistry - A European Journal, 2011, 17, 1547-1560.	1.7	46
72	Synthesis of Silver Nanocubes by Photoreduction of Silver Salts in the Presence of Proteins. International Journal of Green Nanotechnology, 2011, 3, 134-139.	0.3	2
73	Enhanced Chiral Recognition by Cyclodextrin Dimers. International Journal of Molecular Sciences, 2011, 12, 4637-4646.	1.8	10
74	Gold Nanoparticles: Promising Nanomaterials for the Diagnosis of Cancer and HIV/AIDS. Journal of Nanomaterials, 2011, 2011, 1-17.	1.5	70

#	Article	IF	CITATIONS
75	Nanotechnology and the Treatment of HIV Infection. Viruses, 2012, 4, 488-520.	1.5	106
76	Development of NGR-Based Anti-Cancer Agents for Targeted Therapeutics and Imaging. Anti-Cancer Agents in Medicinal Chemistry, 2012, 12, 76-86.	0.9	32
77	Comparative cytotoxicity of gold–doxorubicin and InP–doxorubicin conjugates. Nanotechnology, 2012, 23, 275103.	1.3	23
78	Effect of high gold salt concentrations on the size and polydispersity of gold nanoparticles prepared by an extended Turkevich–Frens method. Gold Bulletin, 2012, 45, 203-211.	1.1	99
79	Bioaccumulation of Gold Nanomaterials by <i>Manduca sexta</i> through Dietary Uptake of Surface Contaminated Plant Tissue. Environmental Science & Technology, 2012, 46, 12672-12678.	4.6	73
80	The gold–sulfur interface at the nanoscale. Nature Chemistry, 2012, 4, 443-455.	6.6	1,418
81	Liberation of Copper from Amyloid Plaques: Making a Risk Factor Useful for Alzheimer's Disease Treatment. Journal of Medicinal Chemistry, 2012, 55, 9146-9155.	2.9	137
82	Size-dependent antimicrobial properties of sugar-encapsulated gold nanoparticles synthesized by a green method. Nanoscale Research Letters, 2012, 7, 623.	3.1	71
83	Assemblies of Polymer-Based Nanoscopic Objects. , 2012, , 83-105.		0
84	Prophylactic, therapeutic and neutralizing effects of zinc oxide tetrapod structures against herpes simplex virus type-2 infection. Antiviral Research, 2012, 96, 363-375.	1.9	167
85	Atomistic Simulations of Functional Au ₁₄₄ (SR) ₆₀ Gold Nanoparticles in Aqueous Environment. Journal of Physical Chemistry C, 2012, 116, 9805-9815.	1.5	94
86	Self-Organization of Mixtures of Fluorocarbon and Hydrocarbon Amphiphilic Thiolates on the Surface of Gold Nanoparticles. ACS Nano, 2012, 6, 7243-7253.	7.3	40
87	Bioavailability of Gold Nanomaterials to Plants: Importance of Particle Size and Surface Coating. Environmental Science & Technology, 2012, 46, 8467-8474.	4.6	221
88	Synthesis, Characterization, and Direct Intracellular Imaging of Ultrasmall and Uniform Glutathioneâ€Coated Gold Nanoparticles. Small, 2012, 8, 2277-2286.	5.2	67
89	Gold nanoparticles in biomedical applications: recent advances and perspectives. Chemical Society Reviews, 2012, 41, 2256-2282.	18.7	1,629
90	Intrinsic therapeutic applications of noble metal nanoparticles: past, present and future. Chemical Society Reviews, 2012, 41, 2943.	18.7	725
91	Topical delivery of siRNA-based spherical nucleic acid nanoparticle conjugates for gene regulation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11975-11980.	3.3	361
92	Enhanced detection of gold nanoparticles in agarose gel electrophoresis. Electrophoresis, 2012, 33, 1251-1254.	1.3	14

#	Article	IF	CITATIONS
93	The combination effects of trivalent gold ions and gold nanoparticles with different antibiotics against resistant Pseudomonas aeruginosa. Gold Bulletin, 2012, 45, 53-59.	1.1	39
94	Electrospun cellulose acetate phthalate fibers for semen induced anti-HIV vaginal drug delivery. Biomaterials, 2012, 33, 962-969.	5.7	149
95	Gold Nanomaterials: Preparation, Chemical Modification, Biomedical Applications and Potential Risk Assessment. Applied Biochemistry and Biotechnology, 2012, 166, 1533-1551.	1.4	58
96	Multiple strategies to activate gold nanoparticles as antibiotics. Nanoscale, 2013, 5, 8340.	2.8	157
97	Nanopharmaceuticals for improved topical vaginal therapy: Can they deliver?. European Journal of Pharmaceutical Sciences, 2013, 50, 29-41.	1.9	100
98	Gold nanorods core/AgPt alloy nanodots shell: A novel potent antibacterial nanostructure. Nano Research, 2013, 6, 822-835.	5.8	62
99	Structural modulation of the biological activity of gold nanoparticles functionalized with a carbonic anhydrase inhibitor. European Physical Journal E, 2013, 36, 48.	0.7	10
100	Binding of serum albumins with bioactive substances – Nanoparticles to drugs. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 14, 53-71.	5.6	193
101	Efficient Synthesis of Thiolactoside Glycoclusters by Ruthenium atalyzed Cycloaddition Reaction of Disubstituted Alkynes on Carbohydrate Scaffolds. European Journal of Organic Chemistry, 2013, 2013, 972-983.	1.2	23
102	Highly efficient inhibition of human immunodeficiency virus type 1 reverse transcriptase by aptamers functionalized gold nanoparticles. Nanoscale, 2013, 5, 2756.	2.8	47
103	Gastrointestinal Bioavailability of 2.0 nm Diameter Gold Nanoparticles. ACS Nano, 2013, 7, 3991-3996.	7.3	35
104	Preparation of Gold Nanocluster Bioconjugates for Electron Microscopy. Methods in Molecular Biology, 2013, 950, 293-311.	0.4	21
105	In vivo toxicity, biodistribution, and clearance of glutathione-coated gold nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 257-263.	1.7	165
106	Gold nanoparticles - the theranostic challenge for PPPM: nanocardiology application. EPMA Journal, 2013, 4, 18.	3.3	38
107	Development and testing of gold nanoparticles for drug delivery and treatment of heart failure: a theranostic potential for PPP cardiology. EPMA Journal, 2013, 4, 20.	3.3	81
108	Multivalent Agents: A Novel Concept and Preliminary Practice in Anti-HIV Drug Discovery. Current Medicinal Chemistry, 2013, 20, 815-832.	1.2	21
109	Recent Advance in Synthesis and Application of Inorganic Glyconanoparticles as Bio-Therapeutics and Diagnostics Agents. Materials Science Forum, 0, 754, 1-19.	0.3	0
110	A review of nanotechnological approaches for the prophylaxis of HIV/AIDS. Biomaterials, 2013, 34, 6202-6228.	5.7	75

# 111	ARTICLE Nanoimaging. Methods in Molecular Biology, 2013, , .	IF 0.4	CITATIONS
112	Glycosystems in nanotechnology: Gold glyconanoparticles as carrier for anti-HIV prodrugs. Beilstein Journal of Organic Chemistry, 2014, 10, 1339-1346.	1.3	69
113	Au ₃₆ (SPh) ₂₄ Nanomolecules: X-ray Crystal Structure, Optical Spectroscopy, Electrochemistry, and Theoretical Analysis. Journal of Physical Chemistry B, 2014, 118, 14157-14167.	1.2	74
114	Bioavailability, Toxicity, and Fate of Manufactured Nanomaterials in Terrestrial Ecosystems. Advances in Agronomy, 2014, 123, 1-64.	2.4	53
115	Identification of Toxin Inhibitors Using a Magnetic Nanosensorâ€Based Assay. Small, 2014, 10, 1202-1211.	5.2	6
116	Au ₉₉ (SPh) ₄₂ Nanomolecules: Aromatic Thiolate Ligand Induced Conversion of Au ₁₄₄ (SCH ₂ CH ₂ Ph) ₆₀ . Journal of the American Chemical Society, 2014, 136, 17016-17023.	6.6	72
117	Chitosan gel containing polymeric nanocapsules: a new formulation for vaginal drug delivery. International Journal of Nanomedicine, 2014, 9, 3151.	3.3	52
118	Core Size Conversion: Route for Exclusive Synthesis of Au ₃₈ or Au ₄₀ Nanomolecules. Langmuir, 2014, 30, 2490-2497.	1.6	34
119	Electrochemical, surface enhanced Raman scattering and surface plasmon resonance investigations on the coordination of cyanopyridine to ruthenium on surface. Electrochimica Acta, 2014, 122, 204-209.	2.6	4
120	Gold nanoparticle conjugates: recent advances toward clinical applications. Expert Opinion on Drug Delivery, 2014, 11, 741-752.	2.4	121
121	Synthesis of Cellulose Nanocrystals Carrying Tyrosine Sulfate Mimetic Ligands and Inhibition of Alphavirus Infection. Biomacromolecules, 2014, 15, 1534-1542.	2.6	86
122	Gold Nanoparticles for Nucleic Acid Delivery. Molecular Therapy, 2014, 22, 1075-1083.	3.7	401
123	Nanoscale Structure–Activity Relationships, Mode of Action, and Biocompatibility of Gold Nanoparticle Antibiotics. Journal of the American Chemical Society, 2014, 136, 5295-5300.	6.6	68
124	Synthesis of Au130(SR)50and Au130â^'xAgx(SR)50nanomolecules through core size conversion of larger metal clusters. Physical Chemistry Chemical Physics, 2014, 16, 10473-10479.	1.3	60
125	Interaction between functionalized gold nanoparticles in physiological saline. Physical Chemistry Chemical Physics, 2014, 16, 3909.	1.3	18
126	Antithrombotic functions of small molecule-capped gold nanoparticles. Nanoscale, 2014, 6, 8543.	2.8	21
127	Human Immunodeficiency Virus (HIV) and Acquired Immunodeficiency Syndrome (AIDS). , 2014, , 299-345.		2
128	Role of ligand type on the geometric and electronic properties of Ag–Au bimetallic clusters. Computational and Theoretical Chemistry, 2014, 1045, 35-40.	1.1	9

		CITATION REPORT		
#	ARTICLE		IF	CITATIONS
129	Vaginal microbicides and their delivery platforms. Expert Opinion on Drug Delivery, 201	4, 11, 723-740.	2.4	19
130	Vaginal drug delivery: strategies and concerns in polymeric nanoparticle development. E on Drug Delivery, 2014, 11, 1419-1434.	Expert Opinion	2.4	53
131	Information on quantum states pervades the visible spectrum of the ubiquitous Au144(nanocluster. Nature Communications, 2014, 5, 3785.	SR)60 gold	5.8	127
132	Chiral Nanostructures Studied Using Polarization-Dependent NOLES Imaging. Journal of Chemistry A, 2014, 118, 8393-8401.	Physical	1.1	11
133	Gold nanoparticles–gelatin hybrid fibers with bright photoluminescence. Materials Le 1-4.	tters, 2014, 135,	1.3	5
134	Nanoparticle-based drug delivery to the vagina: A review. Journal of Controlled Release, 500-514.	2014, 190,	4.8	166
135	Electrospun polystyrene fibers for HIV entrapment. Polymers for Advanced Technologies 827-834.	s, 2014, 25,	1.6	19
137	Homing Peptide-Conjugated Gold Nanorods: The Effect of Amino Acid Sequence Display Uptake and Cellular Proliferation. Bioconjugate Chemistry, 2014, 25, 1162-1171.	/ on Nanorod	1.8	29
138	Size- and time-dependent alteration in metabolic activities of human hepatic cytochrom by gold nanoparticles via microsomal coincubations. Nanoscale Research Letters, 2014,	ie P450 isozymes 9, 642.	3.1	30
140	Nanostructures for the Inhibition of Viral Infections. Molecules, 2015, 20, 14051-14081		1.7	104
141	Surface Epitope Coverage Affects Binding Characteristics of Bisphenol-A Functionalized Nanoparticles in a Competitive Inhibition Assay. Journal of Nanomaterials, 2015, 2015,	1-9.	1.5	4
142	Aspheric Solute Ions Modulate Gold Nanoparticle Interactions in an Aqueous Solution: A Way To Reversibly Concentrate Functionalized Nanoparticles. Journal of Physical Chemi 119, 15502-15508.	An Optimal stry B, 2015,	1.2	8
143	Combinatorial Discovery of Cosolvent Systems for Production of Narrow Dispersion Thiolate-Protected Gold Nanoparticles. ACS Combinatorial Science, 2015, 17, 11-18.		3.8	18
144	Optical Spectra of the Special Au ₁₄₄ Gold-Cluster Compounds: Sensitivity and Symmetry. Journal of Physical Chemistry C, 2015, 119, 11250-11259.	to Structure	1.5	37
145	Size Dependence of Steric Shielding and Multivalency Effects for Globular Binding Inhib of the American Chemical Society, 2015, 137, 2572-2579.	itors. Journal	6.6	60
146	Mechanism of Multivalent Nanoparticle Encounter with HIV-1 for Potency Enhancement Triazole Virus Inactivation. Journal of Biological Chemistry, 2015, 290, 529-543.	of Peptide	1.6	46
147	Ligand-modulated interactions between charged monolayer-protected Au ₁₄₄ (SR) ₆₀ gold nanoparticles in physiological saline. Physi Chemical Physics, 2015, 17, 3680-3688.	ical Chemistry	1.3	17
148	Strategic role of selected noble metal nanoparticles in medicine. Critical Reviews in Mice 2016, 42, 1-24.	robiology,	2.7	167

#	Article	IF	CITATIONS
149	Fungi as an efficient mycosystem for the synthesis of metal nanoparticles: progress and key aspects of research. Biotechnology Letters, 2015, 37, 2099-2120.	1.1	153
150	Mechanisms of Drug Release in Nanotherapeutic Delivery Systems. Chemical Reviews, 2015, 115, 3388-3432.	23.0	412
151	Fast, high-yield synthesis of amphiphilic Ag nanoclusters and the sensing of Hg ²⁺ in environmental samples. Nanoscale, 2015, 7, 10013-10020.	2.8	63
152	Recent advances on anti-HIV vaginal delivery systems development. Advanced Drug Delivery Reviews, 2015, 92, 123-145.	6.6	36
153	Emerging trends in enzyme inhibition by multivalent nanoconstructs. Organic and Biomolecular Chemistry, 2015, 13, 9894-9906.	1.5	81
154	Gold nanoparticles to improve HIV drug delivery. Future Medicinal Chemistry, 2015, 7, 1097-1107.	1.1	60
155	Nanotechnology: A magic bullet for HIV AIDS treatment. Artificial Cells, Nanomedicine and Biotechnology, 2015, 43, 71-86.	1.9	50
156	Translational challenges in targeting latent HIV infection and the CNS reservoir problem. Journal of NeuroVirology, 2015, 21, 222-226.	1.0	9
157	Metal nanoparticles: The protective nanoshield against virus infection. Critical Reviews in Microbiology, 2016, 42, 46-56.	2.7	218
158	The Quest for Anti-inflammatory and Anti-infective Biomaterials in Clinical Translation. Frontiers in Bioengineering and Biotechnology, 2016, 4, 71.	2.0	19
159	Gold nanorods inhibit respiratory syncytial virus by stimulating the innate immune response. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 2299-2310.	1.7	41
160	Nanomedicine for Infectious Disease Applications: Innovation towards Broadâ€Spectrum Treatment of Viral Infections. Small, 2016, 12, 1133-1139.	5.2	52
161	Biomedical Applications of DNA onjugated Gold Nanoparticles. ChemBioChem, 2016, 17, 1052-1062.	1.3	44
162	Dendronized Anionic Gold Nanoparticles: Synthesis, Characterization, and Antiviral Activity. Chemistry - A European Journal, 2016, 22, 2987-2999.	1.7	40
163	Characterizing the Effect of Multivalent Conjugates Composed of Aβ-Specific Ligands and Metal Nanoparticles on Neurotoxic Fibrillar Aggregation. ACS Nano, 2016, 10, 7582-7597.	7.3	46
164	Oxygen's Role in Aqueous Gold Cluster Synthesis. Journal of Physical Chemistry C, 2016, 120, 28288-28294.	1.5	11
165	Marine-Derived Fungi: Potential Candidates for Fungal Nanobiotechnology. Fungal Biology, 2016, , 47-69.	0.3	4
166	Intracellular localization of gold nanoparticles with targeted delivery in MT-4 lymphocytes. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 045013.	0.7	12

#	Article	IF	CITATIONS
168	Influenza-binding sialylated polymer coated gold nanoparticles prepared via RAFT polymerization and reductive amination. Chemical Communications, 2016, 52, 3352-3355.	2.2	18
170	Functional Nanoparticles for Molecular Imaging-Guided Gene Delivery and Therapy. Springer Series in Biomaterials Science and Engineering, 2016, , 273-305.	0.7	2
171	Protein/peptideâ€based entry/fusion inhibitors as antiâ€HIV therapies: challenges and future direction. Reviews in Medical Virology, 2016, 26, 4-20.	3.9	22
172	Role of nanotechnology in HIV/AIDS vaccine development. Advanced Drug Delivery Reviews, 2016, 103, 76-89.	6.6	75
173	Gold Nanoparticles Impair Foot-and-Mouth Disease Virus Replication. IEEE Transactions on Nanobioscience, 2016, 15, 34-40.	2.2	42
174	Evaluation of Bond Strength and Microleakage of a Novel Metal-titanate Antibacterial Agent. Operative Dentistry, 2016, 41, E48-E56.	0.6	3
175	DNA-AuNP networks on cell membranes as a protective barrier to inhibit viral attachment, entry and budding. Biomaterials, 2016, 77, 216-226.	5.7	33
176	Characterization and in vitro studies on anticancer, antioxidant activity against colon cancer cell line of gold nanoparticles capped with Cassia tora SM leaf extract. Applied Nanoscience (Switzerland), 2016, 6, 121-129.	1.6	51
177	Nanopharmaceuticals as a solution to neglected diseases: Is it possible?. Acta Tropica, 2017, 170, 16-42.	0.9	51
178	In Search of the Quantum-Electronic Origin of Color Change: Elucidation of the Subtle Effects of Alloying with Copper on â‰^1.8 nm Gold Nanoclusters. Journal of Physical Chemistry C, 2017, 121, 5753-5760.	1.5	11
179	Sol-gel and SPS combined synthesis of highly porous wollastonite ceramic materials with immobilized Au-NPs. Ceramics International, 2017, 43, 8509-8516.	2.3	27
180	Coordination chemistry of 3- and 4-mercaptobenzoate ligands: Versatile hydrogen-bonding isomers of the thiosalicylate (2-mercaptobenzoate) ligand. Coordination Chemistry Reviews, 2017, 341, 19-52.	9.5	14
181	Is the largest aqueous gold cluster a superatom complex? Electronic structure & optical response of the structurally determined Au ₁₄₆ (<i>p</i> -MBA) ₅₇ . Nanoscale, 2017, 9, 18629-18634.	2.8	9
182	Gene Therapy Blueprints for NeuroAIDS. , 2017, , 953-993.		1
183	Nanoparticles in Antiviral Therapy. , 2017, , 383-410.		55
184	The role of nanotechnology in the treatment of viral infections. Therapeutic Advances in Infectious Disease, 2017, 4, 105-131.	1.1	233
185	Role of Nanoparticles in Treatment of Human Parasites. , 2017, , 307-333.		7
187	Role of metal and metal oxide nanoparticles as diagnostic and therapeutic tools for highly prevalent viral infections. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 219-230.	1.7	138

	CITATION	KEPORT	
#	Article	IF	CITATIONS
188	Metal-Based Nanoparticles for the Treatment of Infectious Diseases. Molecules, 2017, 22, 1370.	1.7	190
189	Gold nanoparticle-based miR155 antagonist macrophage delivery restores the cardiac function in ovariectomized diabetic mouse model. International Journal of Nanomedicine, 2017, Volume 12, 4963-4979.	3.3	73
190	Influence of Poly(vinylpyrrolidone) concentration on properties of silver nanoparticles manufactured by modified thermal treatment method. PLoS ONE, 2017, 12, e0186094.	1.1	46
191	Tannic acid modification of metal nanoparticles: possibility for new antiviral applications. , 2017, , 335-363.		21
192	Ionic structure around polarizable metal nanoparticles in aqueous electrolytes. Soft Matter, 2018, 14, 4053-4063.	1.2	19
193	Gold Nanoparticles Stabilized by Single Tripodal Ligands. Particle and Particle Systems Characterization, 2018, 35, 1800015.	1.2	6
194	Highly monodispersed gold nanoparticles synthesis and inhibition of herpes simplex virus infections. Materials Science and Engineering C, 2018, 89, 413-421.	3.8	83
195	Glutathione-Stabilized Fluorescent Gold Nanoclusters Vary in Their Influences on the Proliferation of Pseudorabies Virus and Porcine Reproductive and Respiratory Syndrome Virus. ACS Applied Nano Materials, 2018, 1, 969-976.	2.4	30
196	Supramolecular scaffolds enabling the controlled assembly of functional molecular units. Chemical Science, 2018, 9, 2028-2041.	3.7	72
197	Broad-spectrum non-toxic antiviral nanoparticles with a virucidal inhibition mechanism. Nature Materials, 2018, 17, 195-203.	13.3	331
198	Recent Advances in the Development of Antimicrobial Nanoparticles for Combating Resistant Pathogens. Advanced Healthcare Materials, 2018, 7, e1701400.	3.9	106
199	Recombinant Endolysins as Potential Therapeutics against Antibiotic-Resistant Staphylococcus aureus: Current Status of Research and Novel Delivery Strategies. Clinical Microbiology Reviews, 2018, 31, .	5.7	135
200	APPLICATION OF NANOSTRUCTURES IN ANTIMICROBIAL THERAPY. International Journal of Applied Pharmaceutics, 2018, 10, 11.	0.3	7
201	Tâ€Cellâ€Mimicking Nanoparticles Can Neutralize HIV Infectivity. Advanced Materials, 2018, 30, e1802233.	11.1	149
202	Design and synthesis of small molecule-conjugated photoaffinity nanoprobes for a streamlined analysis of binding proteins. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3227-3230.	1.0	6
203	Nanobotany. , 2018, , .		0
204	Synthesis and self-assembly of thiol-modified tellurophenes. Canadian Journal of Chemistry, 2018, 96, 929-933.	0.6	5
205	Harnessing nanostructured systems for improved treatment and prevention of HIV disease. Bioengineering and Translational Medicine, 2018, 3, 102-123.	3.9	18

#	Article	IF	CITATIONS
206	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). Pharmaceutical Nanotechnology, 2018, 6, 17-27.	0.6	63
207	The interaction of β2-microglobulin with gold nanoparticles: impact of coating, charge and size. Journal of Materials Chemistry B, 2018, 6, 5964-5974.	2.9	7
208	Nanoparticles and their antimicrobial properties against pathogens including bacteria, fungi, parasites and viruses. Microbial Pathogenesis, 2018, 123, 505-526.	1.3	265
209	Controlling the stereospecific bonding motif of Au–thiolate links. Nanoscale, 2019, 11, 15567-15575.	2.8	7
210	Effect of the ligand's bulkiness on the shape of functionalized gold nanoparticles in aqueous solutions: A molecular dynamics study. Chemical Physics Letters, 2019, 731, 136576.	1.2	5
211	Effect on Platelet Function of Metal-Based Nanoparticles Developed for Medical Applications. Frontiers in Cardiovascular Medicine, 2019, 6, 139.	1.1	25
212	Gold nanoparticles in chemo-, immuno-, and combined therapy: review [Invited]. Biomedical Optics Express, 2019, 10, 3152.	1.5	51
213	<p>A brief review of cytotoxicity of nanoparticles on mesenchymal stem cells in regenerative medicine</p> . International Journal of Nanomedicine, 2019, Volume 14, 3875-3892.	3.3	32
214	A repertoire of biomedical applications of noble metal nanoparticles. Chemical Communications, 2019, 55, 6964-6996.	2.2	263
215	Biocompatible gold nanoclusters: synthetic strategies and biomedical prospects. Nanotechnology, 2019, 30, 352001.	1.3	34
216	Chitosan based nanoparticulate system for controlled delivery of biological macromolecules. , 2019, , 435-459.		7
217	Engineered Nanomaterials as Potential Candidates for HIV Treatment: Between Opportunities and Challenges. Journal of Cluster Science, 2019, 30, 531-540.	1.7	37
218	Targeted editing of the PSIP1 gene encoding LEDGF/p75 protects cells against HIV infection. Scientific Reports, 2019, 9, 2389.	1.6	10
219	Synthesis and biological evaluation of 2.4 nm thiolate-protected gold nanoparticles conjugated to Cetuximab for targeting glioblastoma cancer cells via the EGFR. Nanotechnology, 2019, 30, 184005.	1.3	24
220	Recent progress of algae and blue–green algae-assisted synthesis of gold nanoparticles for various applications. Bioprocess and Biosystems Engineering, 2019, 42, 1-15.	1.7	76
221	Eco-friendly synthesis and biomedical applications of gold nanoparticles: A review. Microchemical Journal, 2020, 152, 104296.	2.3	100
222	Plasmonic Nanomolecules: Electrochemical Resolution of 22 Electronic States in Au ₃₂₉ (SR) ₈₄ . ACS Energy Letters, 2020, 5, 207-214.	8.8	19
223	Multivalent nanomedicines to treat COVID-19: A slow train coming. Nano Today, 2020, 35, 100962.	6.2	34

#	Article	IF	CITATIONS
224	Materials promoting viral gene delivery. Biomaterials Science, 2020, 8, 6113-6156.	2.6	35
225	Hard Nanomaterials in Time of Viral Pandemics. ACS Nano, 2020, 14, 9364-9388.	7.3	76
226	Comprehensive Review on Current Interventions, Diagnostics, and Nanotechnology Perspectives against SARS-CoV-2. Bioconjugate Chemistry, 2020, 31, 2021-2045.	1.8	58
227	Alkyneâ€Monofunctionalized Gold Nanoparticles as Massive Molecular Building Blocks. European Journal of Inorganic Chemistry, 2020, 2020, 2325-2334.	1.0	2
228	Nanosystems Applied to HIV Infection: Prevention and Treatments. International Journal of Molecular Sciences, 2020, 21, 8647.	1.8	10
229	Crystal Structure of Au _{30–<i>x</i>} Ag _{<i>x</i>} (S- <i>t</i> Bu) ₁₈ and Effect of the Ligand on Ag Alloying in Gold Nanomolecules. Journal of Physical Chemistry Letters, 2020, 11, 6312-6319.	2.1	7
230	<gold and="" antioxidants="" drug-metabolizing="" enzymes="" in="" livers="" male<br="" nanoparticles="" of="" perturb="" the="">Rats: Potential Impact on Drug Interactions. International Journal of Nanomedicine, 2020, Volume 15, 5005-5016.</gold>	3.3	6
231	The Optical Spectrum of Au 2 +. Angewandte Chemie - International Edition, 2020, 59, 21403-21408.	7.2	9
232	Advances in Antiviral Material Development. ChemPlusChem, 2020, 85, 2105-2128.	1.3	27
233	Nanoparticle-Based Strategies to Combat COVID-19. ACS Applied Nano Materials, 2020, 3, 8557-8580.	2.4	151
234	CD4 ⁺ T Cell-Mimicking Nanoparticles Broadly Neutralize HIV-1 and Suppress Viral Replication through Autophagy. MBio, 2020, 11, .	1.8	32
235	The Optical Spectrum of Au 2 +. Angewandte Chemie, 2020, 132, 21587-21592.	1.6	4
236	Antiviral Potential of Nanoparticles—Can Nanoparticles Fight Against Coronaviruses?. Nanomaterials, 2020, 10, 1645.	1.9	162
237	Adaptive changes induced by noble-metal nanostructures <i>in vitro</i> and <i>in vivo</i> . Theranostics, 2020, 10, 5649-5670.	4.6	20
238	Clinical implications of metals-based drug-delivery systems. , 2020, , 237-258.		0
239	Identifying a gold nanoparticle as a proactive carrier for transport of a doxorubicin-peptide complex. Colloids and Surfaces B: Biointerfaces, 2020, 194, 111155.	2.5	5
240	Gold, Silver, and Palladium Nanoparticles: A Chemical Tool for Biomedical Applications. Frontiers in Chemistry, 2020, 8, 376.	1.8	167
241	Inhibition of Human Immunodeficiency Virus-1 Integrase by β-Diketo Acid Coated Gold Nanoparticles. ACS Medicinal Chemistry Letters, 2020, 11, 857-861.	1.3	7

#	Article	IF	CITATIONS
242	Porous gold nanoparticles for attenuating infectivity of influenza A virus. Journal of Nanobiotechnology, 2020, 18, 54.	4.2	113
243	<p>Development of Dual Functional Nucleic Acid Delivery Nanosystem for DNA Induced Silencing of Bcl-2 Oncogene</p> . International Journal of Nanomedicine, 2020, Volume 15, 1693-1708.	3.3	19
244	Nanomaterials Designed for Antiviral Drug Delivery Transport across Biological Barriers. Pharmaceutics, 2020, 12, 171.	2.0	143
245	An overview of functional nanoparticles as novel emerging antiviral therapeutic agents. Materials Science and Engineering C, 2020, 112, 110924.	3.8	184
246	High antiviral activity of mercaptoethane sulfonate functionalized Te/BSA nanostars against arterivirus and coronavirus. RSC Advances, 2020, 10, 14161-14169.	1.7	26
247	Insights from nanotechnology in COVID-19 treatment. Nano Today, 2021, 36, 101019.	6.2	146
248	Nanotechnology for virus treatment. Nano Today, 2021, 36, 101031.	6.2	58
249	Targeting the Surface of the Protein 14â€3â€3 by Ultrasmall (1.5â€nm) Gold Nanoparticles Carrying the Specific Peptide CRaf. ChemBioChem, 2021, 22, 1456-1463.	1.3	10
250	From Order to Disorder of Alkanethiol Self-Assembled Monolayers on Complex Au (211), (221), and (311) Surfaces: Impact of the Substrate. Journal of Physical Chemistry C, 2021, 125, 3495-3508.	1.5	3
251	Effect of metallic nanoparticles on microorganism: A review. Science Archives, 2021, 02, 135-143.	0.2	0
252	CD4+ T cell-mimicking nanoparticles encapsulating DIABLO/SMAC mimetics broadly neutralize HIV-1 and selectively kill HIV-1-infected cells. Theranostics, 2021, 11, 9009-9021.	4.6	10
253	Nanomedicine for COVID-19: the role of nanotechnology in the treatment and diagnosis of COVID-19. Emergent Materials, 2021, 4, 75-99.	3.2	81
254	Fight against COVID-19: The case of antiviral surfaces. APL Materials, 2021, 9, 031112.	2.2	62
255	Chitosan-Based Nanoparticles Against Viral Infections. Frontiers in Cellular and Infection Microbiology, 2021, 11, 643953.	1.8	87
256	Electrochemical Resonance of Molecular Motion Enabling Label-, Antibody-, and Enzyme-Free Detection of SARS-CoV-2. ACS Sensors, 2021, 6, 1613-1620.	4.0	8
257	Biochemical assessment of the neurotoxicity of gold nanoparticles functionalized with colorectal cancer-targeting peptides in a rat model. Human and Experimental Toxicology, 2021, 40, 1962-1973.	1.1	2
258	Nanoparticle delivery system, highly active antiretroviral therapy, and testicular morphology: The role of stereology. Pharmacology Research and Perspectives, 2021, 9, e00776.	1.1	12
259	Antiviral biomaterials. Matter, 2021, 4, 1892-1918.	5.0	26

#	Article	IF	CITATIONS
260	Optical properties of \$\$hbox {Ag}_{29}\$\$(BDT)\$\$_{12}\$\$(TPP)\$\$_4\$\$ in the VIS and UV and influence of ligand modeling based on real-time electron dynamics. Theoretical Chemistry Accounts, 2021, 140, 1.	0.5	1
261	Nanoscale pathogens treated with nanomaterial-like peptides: aÂplatform technology appropriate for future pandemics. Nanomedicine, 2021, 16, 1237-1254.	1.7	10
262	SARS-CoV-2 and its new variants: a comprehensive review on nanotechnological application insights into potential approaches. Applied Nanoscience (Switzerland), 2023, 13, 65-93.	1.6	8
263	Use of nanotechnology in combating coronavirus. 3 Biotech, 2021, 11, 358.	1.1	6
264	Induction of Autophagy to Achieve a Human Immunodeficiency Virus Type 1 Cure. Cells, 2021, 10, 1798.	1.8	2
265	Exploring the Role of Heavy Metals and Their Derivatives on the Pathophysiology of COVID-19. Biological Trace Element Research, 2022, 200, 2639-2650.	1.9	9
266	Flavonoid-Coated Gold Nanoparticles as Efficient Antibiotics against Gram-Negative Bacteria—Evidence from In Silico-Supported In Vitro Studies. Antibiotics, 2021, 10, 968.	1.5	21
267	Crucial Role of Conjugation in Monolayer-Protected Metal Clusters with Aromatic Ligands: Insights from the Archetypal Au ₁₄₄ L ₆₀ Cluster Compounds. Journal of Physical Chemistry Letters, 2021, 12, 9262-9268.	2.1	7
268	Antiviral nanoparticles for sanitizing surfaces: A roadmap to self-sterilizing against COVID-19. Nano Today, 2021, 40, 101267.	6.2	68
269	A critical assessment on biochemical and molecular mechanisms of toxicity developed by emerging nanomaterials on important microbes. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100485.	1.7	8
270	Nanoparticles-Mediated Interventions to Prevent Herpes Simplex Virus (HSV) Entry into Susceptible Hosts. Nanotechnology in the Life Sciences, 2021, , 347-370.	0.4	1
271	Biomolecular interactions of ultrasmall metallic nanoparticles and nanoclusters. Nanoscale Advances, 2021, 3, 2995-3027.	2.2	27
272	Antimicrobial Activity of Nanomaterials. Environmental Chemistry for A Sustainable World, 2020, , 147-185.	0.3	3
273	Nanotechnology in Controlling Infectious Disease. , 2011, , .		1
274	Enhanced Cellulose Degradation Using Cellulase-Nanosphere Complexes. PLoS ONE, 2012, 7, e42116.	1.1	42
275	Plasmonic Nanoparticles and Their Conjugates: Preparation, Optical Properties and Antimicrobial Activity. Journal of Nanotechnology and Materials Science, 2015, 2, 1-18.	0.1	3
276	Metallic Nanoparticle: A Review. Biomedical Journal of Scientific & Technical Research, 2018, 4, .	0.0	51
277	Size Variation of Gold Nanoparticles Synthesized Using Tannic Acid in Response to Higher Chloroauric Acid Concentrations. World Journal of Nano Science and Engineering, 2013, 03, 62-68.	0.3	11

# 278	ARTICLE Biomedical Applications of Gold and Gold Compounds. , 2009, , 229-242.	IF	CITATIONS
279	Recent Advances in Anogenital Antiretroviral Microbicides and Multimodal Delivery Systems. Journal of AIDS & Clinical Research, 2012, 03, .	0.5	0
281	NANOTECHNOLOGY IN NOVEL DRUG DELIVERY SYSTEM. Journal of Drug Delivery and Therapeutics, 2014, 4, .	0.2	3
282	Drug Discovery Research Using a Cluster Effect. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 388-389.	0.0	0
283	GOLD NANOPARTICLES IN CANCER THERAPY. International Journal of Advances in Pharmacy and Biotechnology, 2015, 1, 19-24.	0.3	0
284	Assemblies of Polymer-Based Nanoscopic Objects. , 2016, , .		0
285	Laboratory Preparation of the Precursor for Synthesis of Gold Nanoparticles. American Chemical Science Journal, 2016, 14, 1-8.	0.2	0
286	Nanobotany and Pharmaceuticals. , 2018, , 131-159.		1
287	Antiadenoviral Activity of Titanium Dioxide Nanoparticles. MikrobiolohichnyÄ-Zhurnal, 2019, 81, 73-84.	0.2	5
289	Laser Synthesis of Colloids: Applications. , 2021, , 1455-1479.		2
290	Laser Synthesis of Colloids: Applications. , 2020, , 1-25.		2
292	Anticancer Potential of Green Synthesized Silver Nanoparticles of the Soft Coral Cladiella pachyclados Supported by Network Pharmacology and In Silico Analyses. Pharmaceutics, 2021, 13, 1846.	2.0	10
293	Progress in antiretroviral drug delivery using nanotechnology. International Journal of Nanomedicine, 2010, 5, 533-47.	3.3	52
294	Gold nanoparticles in biology and medicine: recent advances and prospects. Acta Naturae, 2011, 3, 34-55.	1.7	102
295	Antivirals based on nanomaterials against SARS-CoV-2. , 2022, , 271-305.		0
296	Biological Aspects and Clinical Applications of Nanoparticles on Treatment and Prophylaxis of HIV. Iranian Journal of Medical Microbiology, 2020, 14, 512-542.	0.1	1
297	Glyco disulfide capped gold nanoparticle synthesis: cytotoxicity studies and effects on lung cancer A549 cells. Future Medicinal Chemistry, 2022, 14, 307-324.	1.1	3
298	Nanoparticle-based strategies to target HIV-infected cells. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112405.	2.5	6

#	Article	IF	CITATIONS
299	Current applications and future perspective of CRISPR/Cas9 gene editing in cancer. Molecular Cancer, 2022, 21, 57.	7.9	85
300	An update on nanoparticle usage in breast cancer imaging. Nano Select, 0, , .	1.9	2
301	Role of nanoparticles in management of plant pathogens and scope in plant transgenics for imparting disease resistance. Plant Protection Science, 2022, 58, 173-184.	0.7	10
302	Application of Metal Nanoparticles for Production of Self-Sterilizing Coatings. Coatings, 2022, 12, 480.	1.2	11
303	Antiviral potential of nanoparticles for the treatment of Coronavirus infections. Journal of Trace Elements in Medicine and Biology, 2022, 72, 126977.	1.5	25
304	Multifunctional Gold Nanoparticles for Improved Diagnostic and Therapeutic Applications: A Review. Nanoscale Research Letters, 2021, 16, 174.	3.1	75
305	Recent Advances in Development of Gold Nanoparticles for Drug Delivery Systems. , 2021, 1, .		9
307	Antiviral nanopharmaceuticals: Engineered surface interactions and virusâ€selective activity. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, .	3.3	4
308	Nano-targeted drug delivery approaches for viral infections. , 2022, , 233-260.		0
309	Photodynamic therapy with nanomaterials to combat microbial infections. , 2022, , 531-576.		2
310	Review on the production and applications of gold nanoparticles as a drug delivery carrier. International Journal of Health Sciences, 0, , 4146-4154.	0.0	1
311	Crystal structure of bulky-ligand-protected Au ₂₄ (S-C ₄ H ₉) ₁₆ . Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 430-436.	0.2	0
312	MicroRNAs and Their Big Therapeutic Impacts: Delivery Strategies for Cancer Intervention. Cells, 2022, 11, 2332.	1.8	19
313	Site-selective proteolytic cleavage of plant viruses by photoactive chiral nanoparticles. Nature Catalysis, 2022, 5, 694-707.	16.1	27
314	A promising treatment for HIV-1 using biosynthesis of metal nanoparticles. Journal of Industrial and Engineering Chemistry, 2022, , .	2.9	2
315	Gold nanoparticles: current and upcoming biomedical applications in sensing, drug, and gene delivery. Chemical Communications, 2022, 58, 10886-10895.	2.2	10
316	Antiviral potential of nanomaterials: The fight against viruses. , 2023, , 101-132.		0

#	Article	IF	CITATIONS
318	COVID-19 mitigation: nanotechnological intervention, perspective, and future scope. Materials Advances, 2023, 4, 52-78.	2.6	4
319	Boosting the efficiency of organic solar cells via plasmonic gold nanoparticles and thiol functionalized conjugated polymer. Dyes and Pigments, 2023, 208, 110818.	2.0	2
320	Advanced Hydrogels Combined with Silver and Gold Nanoparticles against Antimicrobial Resistance. Antibiotics, 2023, 12, 104.	1.5	6
321	Clinical applications of the CRISPR/Cas9 genome-editing system: Delivery options and challenges in precision medicine. Genes and Diseases, 2024, 11, 268-282.	1.5	5
322	Tenofovir-tethered gold nanoparticles as a novel multifunctional long-acting anti-HIV therapy to overcome deficient drug delivery-: an in vivo proof of concept. Journal of Nanobiotechnology, 2023, 21, .	4.2	7
323	Current Trends and Prospects for Application of Green Synthesized Metal Nanoparticles in Cancer and COVID-19 Therapies. Viruses, 2023, 15, 741.	1.5	8
324	A Novel Vision of Reinforcing Nanofibrous Masks with Metal Nanoparticles: Antiviral Mechanisms Investigation. Advanced Fiber Materials, 2023, 5, 1273-1317.	7.9	11
325	Next Generation Gold Drugs and Probes: Chemistry and Biomedical Applications. Chemical Reviews, 2023, 123, 6612-6667.	23.0	22
327	Nano and Beyond. , 2008, , 743-764.		0
329	Regulatory miRNAs in cancer cell recovery from therapy exposure and its implications as a novel therapeutic strategy for preventing disease recurrence. The Enzymes, 2023, , .	0.7	0
334	A review on the nanotechnology-based approaches for managing sexually transmitted infections. Journal of Pharmaceutical Investigation, 0, , .	2.7	0