

Understanding and controlling the interaction of nanomaterials in a physiological environment

Chemical Society Reviews

41, 2780-2799

DOI: [10.1039/c1cs15233e](https://doi.org/10.1039/c1cs15233e)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Protein adsorption at solid surfaces: A thermodynamic approach. <i>Pure and Applied Chemistry</i> , 1994, 66, 491-496.	0.9	59
2	The gap between cell and animal models: nanoparticle drug-delivery development and characterization using microtissue models. <i>Therapeutic Delivery</i> , 2012, 3, 915-917.	1.2	5
3	Nanoparticle Size and Surface Chemistry Determine Serum Protein Adsorption and Macrophage Uptake. <i>Journal of the American Chemical Society</i> , 2012, 134, 2139-2147.	6.6	1,601
4	Emerging Techniques in Proteomics for Probing Nano-Bio Interactions. <i>ACS Nano</i> , 2012, 6, 10438-10448.	7.3	102
5	Biomolecular coronas provide the biological identity of nanosized materials. <i>Nature Nanotechnology</i> , 2012, 7, 779-786.	15.6	2,274
6	Dynamic light scattering for gold nanorod size characterization and study of nanorod-protein interactions. <i>Gold Bulletin</i> , 2012, 45, 187-195.	1.1	133
7	Dendritic polyglycerolamine as a functional antifouling coating of gold surfaces. <i>Journal of Materials Chemistry</i> , 2012, 22, 19488.	6.7	30
8	Evidence for Charge-Transfer-Induced Conformational Changes in Carbon Nanostructure-Protein Corona. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22098-22103.	1.5	39
9	Surface-Grafted Polysarcosine as a Peptoid Antifouling Polymer Brush. <i>Langmuir</i> , 2012, 28, 16099-16107.	1.6	146
10	Zr- and Hf-based nanoscale metal-organic frameworks as contrast agents for computed tomography. <i>Journal of Materials Chemistry</i> , 2012, 22, 18139.	6.7	158
11	Pericellular Matrix Enhances Retention and Cellular Uptake of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2012, 134, 13404-13409.	6.6	42
12	Preventing Protein Adsorption and Macrophage Uptake of Gold Nanoparticles via a Hydrophobic Shield. <i>ACS Nano</i> , 2012, 6, 9182-9190.	7.3	188
13	Investigating the relationship between nanomaterial hazard and physicochemical properties: Informing the exploitation of nanomaterials within therapeutic and diagnostic applications. <i>Journal of Controlled Release</i> , 2012, 164, 307-313.	4.8	61
14	Enhanced protein-mediated binding between oligonucleotide-gold nanoparticle composites and cell surfaces: co-transport of proteins and composites. <i>Journal of Materials Chemistry</i> , 2012, 22, 25036.	6.7	12
15	In Situ Measurement of Bovine Serum Albumin Interaction with Gold Nanospheres. <i>Langmuir</i> , 2012, 28, 9131-9139.	1.6	152
18	Nanomaterial Interfaces in Biology. <i>Methods in Molecular Biology</i> , 2013, , .	0.4	9
19	Interactions of silica nanoparticles with lung epithelial cells and the association to flotillins. <i>Archives of Toxicology</i> , 2013, 87, 1053-1065.	1.9	50
20	Gold nanoparticles: role of size and surface chemistry on blood protein adsorption. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	26

#	ARTICLE	IF	CITATIONS
21	Morpholino-decorated long circulating polymeric micelles with the function of surface charge transition triggered by pH changes. <i>Chemical Communications</i> , 2013, 49, 7286.	2.2	29
22	Blood protein and blood cell interactions with gold nanoparticles: the need for in vivo studies. <i>BioNanoMaterials</i> , 2013, 14, .	1.4	4
23	Carbon nanotubes as optical biomedical sensors. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1933-1950.	6.6	324
24	Effect of protein molecules on the photoluminescence properties and stability of water-soluble CdSe/ZnS core-shell quantum dots. <i>Science Bulletin</i> , 2013, 58, 2616-2621.	1.7	10
25	Advanced nuclear analytical and related techniques for the growing challenges in nanotoxicology. <i>Chemical Society Reviews</i> , 2013, 42, 8266.	18.7	104
26	Bio and Nano Working Together: Engineering the Proteinâ€Nanoparticle Interface. <i>Israel Journal of Chemistry</i> , 2013, 53, 521-529.	1.0	6
27	Determinants of carbon nanotube toxicity. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 2063-2069.	6.6	174
28	Formation and Characterization of the Nanoparticleâ€Protein Corona. <i>Methods in Molecular Biology</i> , 2013, 1025, 137-155.	0.4	111
29	Water insoluble cationic poly(ester amide)s: synthesis, characterization and applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 353-360.	2.9	74
30	Protein binding modulates the cellular uptake of silver nanoparticles into human cells: Implications for in vitro to in vivo extrapolations?. <i>Toxicology Letters</i> , 2013, 220, 286-293.	0.4	113
31	Preformed albumin corona, a protective coating for nanoparticles based drug delivery system. <i>Biomaterials</i> , 2013, 34, 8521-8530.	5.7	293
32	How can we exploit the protein corona?. <i>Nanomedicine</i> , 2013, 8, 1-3.	1.7	48
33	An <i>in vivo</i> and <i>in vitro</i> toxicological characterisation of realistic nanoscale CeO ₂ inhalation exposures. <i>Nanotoxicology</i> , 2013, 7, 1338-1350.	1.6	135
34	Interaction of pHPMAâ€pLMA Copolymers with Human Blood Serum and Its Components. <i>Molecular Pharmaceutics</i> , 2013, 10, 3769-3775.	2.3	22
35	Optimizing the Properties of the Protein Corona Surrounding Nanoparticles for Tuning Payload Release. <i>ACS Nano</i> , 2013, 7, 10066-10074.	7.3	121
36	Custom Cerium Oxide Nanoparticles Protect against a Free Radical Mediated Autoimmune Degenerative Disease in the Brain. <i>ACS Nano</i> , 2013, 7, 10582-10596.	7.3	280
37	Nanomedicine metaphors: From war to care. Emergence of an oecological approach. <i>Nano Today</i> , 2013, 8, 560-565.	6.2	17
38	Inorganic nanosystems for therapeutic delivery: Status and prospects. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 93-99.	6.6	95

#	ARTICLE	IF	CITATIONS
39	Hemotoxicity of carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 2127-2134.	6.6	41
40	Mechanistic Understanding of Gene Delivery Mediated by Highly Efficient Multicomponent Envelope-Type Nanoparticle Systems. <i>Molecular Pharmaceutics</i> , 2013, 10, 4654-4665.	2.3	52
41	Effects of serum on cytotoxicity of nano- and micro-sized ZnO particles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1829.	0.8	71
42	Partial Recovery of Silver Nanoparticle-Induced Neural Cytotoxicity through the Application of a Static Magnetic Field. <i>BioNanoScience</i> , 2013, 3, 367-377.	1.5	4
43	The Effects of Nanomaterials as Endocrine Disruptors. <i>International Journal of Molecular Sciences</i> , 2013, 14, 16732-16801.	1.8	175
44	The Effect of the Binding of ZnO Nanoparticle on the Structure and Stability of α -Lactalbumin: A Comparative Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13397-13408.	1.2	53
45	Differential Roles of the Protein Corona in the Cellular Uptake of Nanoporous Polymer Particles by Monocyte and Macrophage Cell Lines. <i>ACS Nano</i> , 2013, 7, 10960-10970.	7.3	259
46	Adsorbed emulsion droplets: capping agents for in situ heterogeneous engineering of particle surfaces. <i>Chemical Communications</i> , 2013, 49, 11563.	2.2	12
47	Are Quantum Dots Toxic? Exploring the Discrepancy Between Cell Culture and Animal Studies. <i>Accounts of Chemical Research</i> , 2013, 46, 662-671.	7.6	378
48	Comparison of Nanotube-Protein Corona Composition in Cell Culture Media. <i>Small</i> , 2013, 9, 2171-2181.	5.2	119
49	Decoding membrane- versus receptor-mediated delivery of single-walled carbon nanotubes into macrophages using modifications of nanotube surface coatings and cell activity. <i>Soft Matter</i> , 2013, 9, 758-764.	1.2	28
50	Optimizing Magnetic Nanoparticle Based Thermal Therapies Within the Physical Limits of Heating. <i>Annals of Biomedical Engineering</i> , 2013, 41, 78-88.	1.3	61
51	Biosafety and Bioapplication of Nanomaterials by Designing Protein-Nanoparticle Interactions. <i>Small</i> , 2013, 9, 1635-1653.	5.2	230
52	Toxicity of Engineered Nanomaterials: A Physicochemical Perspective. <i>Journal of Biochemical and Molecular Toxicology</i> , 2013, 27, 50-55.	1.4	103
53	Time Evolution of Nanoparticle-Protein Corona in Human Plasma: Relevance for Targeted Drug Delivery. <i>Langmuir</i> , 2013, 29, 6485-6494.	1.6	248
54	Probing the Contribution of Different Intermolecular Forces to the Adsorption of Spheroproteins onto Hydrophilic Surfaces. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16565-16576.	1.2	6
55	Minimal "Self" Peptides That Inhibit Phagocytic Clearance and Enhance Delivery of Nanoparticles. <i>Science</i> , 2013, 339, 971-975.	6.0	809
56	Advanced microscopy of star-shaped gold nanoparticles and their adsorption-uptake by macrophages. <i>Metallomics</i> , 2013, 5, 242.	1.0	48

#	ARTICLE	IF	CITATIONS
57	Core-shell designs of photoluminescent nanodiamonds with porous silica coatings for bioimaging and drug delivery II: application. <i>Nanoscale</i> , 2013, 5, 3713.	2.8	111
58	Immunotoxicological impact of engineered nanomaterial exposure: mechanisms of immune cell modulation. <i>Toxicology Mechanisms and Methods</i> , 2013, 23, 168-177.	1.3	35
59	Nano-bio effects: interaction of nanomaterials with cells. <i>Nanoscale</i> , 2013, 5, 3547.	2.8	223
60	Specific surface area of titanium dioxide (TiO ₂) particles influences cyto- and photo-toxicity. <i>Toxicology</i> , 2013, 304, 132-140.	2.0	51
61	Nanoparticle Characterization: State of the Art, Challenges, and Emerging Technologies. <i>Molecular Pharmaceutics</i> , 2013, 10, 2093-2110.	2.3	274
62	Multifaceted Transport Characteristics of Nanomedicine: Needs for Characterization in Dynamic Environment. <i>Molecular Pharmaceutics</i> , 2013, 10, 2111-2126.	2.3	49
63	Gold Nanoparticles as a Vaccine Platform: Influence of Size and Shape on Immunological Responses <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Nano</i> , 2013, 7, 3926-3938.	7.3	533
64	Cooperative Adsorption of Lipoprotein Phospholipids, Triglycerides, and Cholesteryl Esters Are a Key Factor in Nonspecific Adsorption from Blood Plasma to Antifouling Polymer Surfaces. <i>Journal of the American Chemical Society</i> , 2013, 135, 7047-7052.	6.6	88
65	Interfacing Engineered Nanoparticles with Biological Systems: Anticipating Adverse Nano-Bio Interactions. <i>Small</i> , 2013, 9, 1573-1584.	5.2	176
66	Bridge over troubled waters: understanding the synthetic and biological identities of engineered nanomaterials. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 111-129.	3.3	87
67	Precise Quantification of Nanoparticle Internalization. <i>ACS Nano</i> , 2013, 7, 4933-4945.	7.3	100
68	Nucleic acid-directed self-assembly of multifunctional gold nanoparticle imaging agents. <i>Biomaterials Science</i> , 2013, 1, 1055.	2.6	23
69	Nanoparticle and Protein Corona. <i>Springer Series in Biophysics</i> , 2013, , 21-44.	0.4	76
70	Surface and Size Effects on Cell Interaction of Gold Nanoparticles with Both Phagocytic and Nonphagocytic Cells. <i>Langmuir</i> , 2013, 29, 9138-9148.	1.6	183
71	Protein-Nanoparticle Interactions. <i>Springer Series in Biophysics</i> , 2013, , .	0.4	93
72	Temperature: The Ignored Factor at the NanoBio Interface. <i>ACS Nano</i> , 2013, 7, 6555-6562.	7.3	299
73	Metallomics insights for in vivo studies of metal based nanomaterials. <i>Metallomics</i> , 2013, 5, 793.	1.0	37
74	Adsorption of a Protein Monolayer via Hydrophobic Interactions Prevents Nanoparticle Aggregation under Harsh Environmental Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 833-842.	3.2	163

#	ARTICLE	IF	CITATIONS
75	Challenges and Perspectives. Interface Science and Technology, 2013, , 517-530.	1.6	0
76	Spectroscopic characterization of protein-wrapped single-wall carbon nanotubes and quantification of their cellular uptake in multiple cell generations. Nanotechnology, 2013, 24, 265102.	1.3	14
77	The big picture on nanomedicine: the state of investigational and approved nanomedicine products. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1-14.	1.7	837
78	Selective Targeting Capability Acquired with a Protein Corona Adsorbed on the Surface of 1,2-Dioleoyl-3-trimethylammonium Propane/DNA Nanoparticles. ACS Applied Materials & Interfaces, 2013, 5, 13171-13179.	4.0	150
79	Computational approaches and metrics required for formulating biologically realistic nanomaterial pharmacokinetic models. Computational Science & Discovery, 2013, 6, 014005.	1.5	18
80	Nanosopic Agents in a Physiological Environment: The Importance of Understanding Their Characteristics. Topics in Medicinal Chemistry, 2013, , 29-54.	0.4	3
81	Dynamics of Nanoparticle-Protein Corona Complex Formation: Analytical Results from Population Balance Equations. PLoS ONE, 2013, 8, e64690.	1.1	80
82	The bio-nano-interface in predicting nanoparticle fate and behaviour in living organisms: towards grouping and categorising nanomaterials and ensuring nanosafety by design. BioNanoMaterials, 2013, 14, .	1.4	27
83	The Toxicant Induction of Irritant Asthma, Rhinitis, and Related Conditions. , 2013, , .		0
84	Biodegradable Polysilsesquioxane Nanoparticles as Efficient Contrast Agents for Magnetic Resonance Imaging. Small, 2013, 9, 3523-3531.	5.2	58
85	COMPARISONS OF NANOPARTICLE PROTEIN CORONA COMPLEXES ISOLATED WITH DIFFERENT METHODS. Nano LIFE, 2013, 03, 1343004.	0.6	16
86	From Nanotechnology to Nanoneuroscience/Nanoneurosurgery and Nanobioelectronics. , 2013, , 1-28.		1
87	Silver Nanoparticle Protein Corona Composition in Cell Culture Media. PLoS ONE, 2013, 8, e74001.	1.1	174
88	Structural Determinants for Protein adsorption/non-adsorption to Silica Surface. PLoS ONE, 2013, 8, e81346.	1.1	95
89	Effect of the protein corona on nanoparticles for modulating cytotoxicity and immunotoxicity. International Journal of Nanomedicine, 2015, 10, 97.	3.3	175
90	The protein corona protects against size- and dose-dependent toxicity of amorphous silica nanoparticles. Beilstein Journal of Nanotechnology, 2014, 5, 1380-1392.	1.5	68
91	Application of Nanotechnology in Drug Delivery. , 0, , .		14
93	Accounting for biological aggregation in heating and imaging of magnetic nanoparticles. Technology, 2014, 02, 214-228.	1.4	102

#	ARTICLE	IF	CITATIONS
94	Phosphatidylcholine-Coated Iron Oxide Nanomicelles for In Vivo Prolonged Circulation Time with an Antibiofouling Protein Corona. <i>Chemistry - A European Journal</i> , 2014, 20, 16662-16671.	1.7	26
95	Could nanoparticle corona characterization help for biological consequence prediction?. <i>Cancer Nanotechnology</i> , 2014, 5, 7.	1.9	58
96	Quantifying spectral changes experienced by plasmonic nanoparticles in a cellular environment to inform biomedical nanoparticle design. <i>Nanoscale Research Letters</i> , 2014, 9, 454.	3.1	22
97	Macromolecular Coronas and Their Importance in Nanotoxicology and Nanoecotoxicology. <i>Frontiers of Nanoscience</i> , 2014, 7, 127-156.	0.3	49
98	Nanotoxicology: Towards Safety by Design. <i>Advances in Delivery Science and Technology</i> , 2014, , 391-424.	0.4	4
99	Comparison of Behaviour in Different Liquids and in Cells of Gold Nanorods and Spherical Nanoparticles Modified by Linear Polyethyleneimine and Bovine Serum Albumin. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	26
100	Shape-Mediated Biological Effects of Mesoporous Silica Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 2508-2538.	0.5	45
101	Structure-Activity Relationships for Tumor-Targeting Gold Nanoparticles. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 519-563.	0.1	1
102	New views and insights into intracellular trafficking of drug-delivery systems by fluorescence fluctuation spectroscopy. <i>Therapeutic Delivery</i> , 2014, 5, 173-188.	1.2	1
103	Visible light optical coherence correlation spectroscopy. <i>Optics Express</i> , 2014, 22, 21944.	1.7	6
104	Nanoparticle-protein interactions: Water is the key. <i>MRS Bulletin</i> , 2014, 39, 1069-1073.	1.7	18
105	Nanoparticles and the lung: friend or foe?. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L393-L396.	1.3	1
106	Manufactured nanomaterials: categorization and approaches to hazard assessment. <i>Archives of Toxicology</i> , 2014, 88, 2191-2211.	1.9	120
107	Biocompatible KMnF ₃ nanoparticulate contrast agent with proper plasma retention time for in vivo magnetic resonance imaging. <i>Nanotechnology</i> , 2014, 25, 155101.	1.3	11
108	Personalized protein coronas: a key factor at the nanobiointerface. <i>Biomaterials Science</i> , 2014, 2, 1210.	2.6	238
109	Intracellular Signal Modulation by Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2014, 811, 111-134.	0.8	41
110	Carbon black and titanium dioxide nanoparticles induce distinct molecular mechanisms of toxicity. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 641-652.	3.3	44
111	Nano-Oncologics. <i>Advances in Delivery Science and Technology</i> , 2014, , .	0.4	7

#	ARTICLE	IF	CITATIONS
112	Toxic response of HIPCO single-walled carbon nanotubes in mice and RAW264.7 macrophage cells. <i>Toxicology Letters</i> , 2014, 229, 167-177.	0.4	28
113	Magnetic Resonance Imaging and Alternating Magnetic Fields. , 2014, , 255-268.		2
114	Size and charge of nanoparticles following incubation with human plasma of healthy and pancreatic cancer patients. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 673-678.	2.5	59
115	Metabolic gene expression profiling of Zebrafish embryos exposed to silver nanocolloids and nanotubes. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 401-409.	0.8	5
116	Thermodynamics of (Nano)interfaces. , 2014, , 1-31.		4
117	25th Anniversary Article: Interfacing Nanoparticles and Biology: New Strategies for Biomedicine. <i>Advanced Materials</i> , 2014, 26, 359-370.	11.1	105
118	The on-bead digestion of protein corona on nanoparticles by trypsin immobilized on the magnetic nanoparticle. <i>Journal of Chromatography A</i> , 2014, 1334, 55-63.	1.8	20
119	The more exotic shapes of semiconductor nanocrystals: emerging applications in bioimaging. <i>Current Opinion in Chemical Engineering</i> , 2014, 4, 137-143.	3.8	18
120	Influence of the physical and chemical properties of magnetic nanoparticles on their performance in a chemiluminescence immunoassay. <i>Clinical Biochemistry</i> , 2014, 47, 220-226.	0.8	10
121	Manipulation and Optical Detection of Colloidal Functional Plasmonic Nanostructures in Microfluidic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 102-114.	1.9	3
122	Perturbation of physiological systems by nanoparticles. <i>Chemical Society Reviews</i> , 2014, 43, 3762-3809.	18.7	128
123	Surface-enhanced Raman spectroscopy of blood plasma and serum using Ag and Au nanoparticles: a systematic study. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2355-2365.	1.9	152
124	Protein Corona Fingerprinting Predicts the Cellular Interaction of Gold and Silver Nanoparticles. <i>ACS Nano</i> , 2014, 8, 2439-2455.	7.3	693
125	Silver nanoparticle protein corona composition compared across engineered particle properties and environmentally relevant reaction conditions. <i>Environmental Science: Nano</i> , 2014, 1, 238-247.	2.2	48
126	Nanometallomics: an emerging field studying the biological effects of metal-related nanomaterials. <i>Metallomics</i> , 2014, 6, 220.	1.0	37
127	Combination of UV-vis spectroscopy and chemometrics to understand protein-nanomaterial conjugate: A case study on human serum albumin and gold nanoparticles. <i>Talanta</i> , 2014, 119, 320-330.	2.9	64
128	Rational evaluation of the utilization of PEG-PEI copolymers for the facilitation of silica nanoparticulate systems in biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 300-310.	5.0	38
130	Interaction of stable colloidal nanoparticles with cellular membranes. <i>Biotechnology Advances</i> , 2014, 32, 679-692.	6.0	62

#	ARTICLE	IF	CITATIONS
131	Zwitterionicâ€Coated â€Stealthâ€Nanoparticles for Biomedical Applications: Recent Advances in Countering Biomolecular Corona Formation and Uptake by the Mononuclear Phagocyte System. <i>Small</i> , 2014, 10, 2516-2529.	5.2	409
132	Interaction of Human Arylamine <i>N</i> -Acetyltransferase 1 with Different Nanomaterials. <i>Drug Metabolism and Disposition</i> , 2014, 42, 377-383.	1.7	16
133	Hormetic doseâ€responses in nanotechnology studies. <i>Science of the Total Environment</i> , 2014, 487, 361-374.	3.9	52
134	Mechanistic evaluation of the transfection barriers involved in lipid-mediated gene delivery: Interplay between nanostructure and composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 957-967.	1.4	57
135	Longâ€Term Effects of Nanoparticles on Nutrition and Metabolism. <i>Small</i> , 2014, 10, 3603-3611.	5.2	60
136	Nanoparticle exposure in animals can be visualized in the skin and analysed via skin biopsy. <i>Nature Communications</i> , 2014, 5, 3796.	5.8	106
137	Interaction of nanoparticles with lipid membranes: a multiscale perspective. <i>Nanoscale</i> , 2014, 6, 6452-6457.	2.8	68
138	Secreted Biomolecules Alter the Biological Identity and Cellular Interactions of Nanoparticles. <i>ACS Nano</i> , 2014, 8, 5515-5526.	7.3	225
139	Merging the best of both worlds: hybrid lipid-enveloped matrix nanocomposites in drug delivery. <i>Chemical Society Reviews</i> , 2014, 43, 444-472.	18.7	157
140	Nanotoxicology. <i>Nanomedicine and Nanotoxicology</i> , 2014, , .	0.1	20
141	Assessing the Erythrocyte Toxicity of Nanomaterials: From Current Methods to Biomolecular Surface Chemistry Interactions. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 347-361.	0.1	3
142	Effect of polyethyleneglycol (PEG) chain length on the bioâ€nano-interactions between PEGylated lipid nanoparticles and biological fluids: from nanostructure to uptake in cancer cells. <i>Nanoscale</i> , 2014, 6, 2782.	2.8	433
143	Impact of serum proteins on MRI contrast agents: cellular binding and T_2 relaxation. <i>RSC Advances</i> , 2014, 4, 31735-31744.	1.7	16
144	Decationized polyplexes as stable and safe carrier systems for improved biodistribution in systemic gene therapy. <i>Journal of Controlled Release</i> , 2014, 195, 162-175.	4.8	38
145	Application of Mass Spectrometry to Characterize Localization and Efficacy of Nanoceria In Vivo. <i>Advances in Experimental Medicine and Biology</i> , 2014, 806, 561-579.	0.8	5
146	Spherical Nucleic Acid Nanoparticle Conjugates Enhance Gâ€Quadruplex Formation and Increase Serum Protein Interactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 527-531.	7.2	54
147	In situ generated thrombin in the protein corona of zeolites: Relevance of the functional proteins to its biological impact. <i>Nano Research</i> , 2014, 7, 1457-1465.	5.8	31
148	Hyperthermia-induced protein corona improves the therapeutic effects of zinc ferrite spinel-graphene sheets against cancer. <i>RSC Advances</i> , 2014, 4, 62557-62565.	1.7	50

#	ARTICLE	IF	CITATIONS
149	Different Interaction Modes of Biomolecules with Citrate-Capped Gold Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21184-21192.	4.0	67
150	Differential binding of plasma proteins by liposomes loaded with lipophilic prodrugs of methotrexate and melphalan in the bilayer. <i>Biochemistry (Moscow)</i> , 2014, 79, 797-804.	0.7	19
151	Surfactant Titration of Nanoparticle-Protein Corona. <i>Analytical Chemistry</i> , 2014, 86, 12055-12063.	3.2	49
152	Environmentally responsive histidine-carboxylate zipper formation between proteins and nanoparticles. <i>Nanoscale</i> , 2014, 6, 8873-8877.	2.8	7
153	Adsorption at cell surface and cellular uptake of silica nanoparticles with different surface chemical functionalizations: impact on cytotoxicity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	28
154	Red fluorescent hybrid mesoporous organosilicas for simultaneous cell imaging and anticancer drug delivery. <i>RSC Advances</i> , 2014, 4, 43342-43345.	1.7	18
155	Influence of the Debye length on the interaction of a small molecule-modified Au nanoparticle with a surface-bound bioreceptor. <i>Chemical Communications</i> , 2014, 50, 4947.	2.2	33
156	The liposome-protein corona in mice and humans and its implications for in vivo delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7419-7428.	2.9	85
157	Concentration-Controlled Formation of Myoglobin/Gold Nanosphere Aggregates. <i>Journal of Physical Chemistry B</i> , 2014, 118, 5082-5092.	1.2	20
158	Fabrication of Corona-Free Nanoparticles with Tunable Hydrophobicity. <i>ACS Nano</i> , 2014, 8, 6748-6755.	7.3	286
159	Histidine Adsorption on TiO ₂ Nanoparticles: An Integrated Spectroscopic, Thermodynamic, and Molecular-Based Approach toward Understanding Nano-Bio Interactions. <i>Langmuir</i> , 2014, 30, 8751-8760.	1.6	64
160	Advancements of Mass Spectrometry in Biomedical Research. <i>Advances in Experimental Medicine and Biology</i> , 2014, , .	0.8	6
161	Surface ligands in synthesis, modification, assembly and biomedical applications of nanoparticles. <i>Nano Today</i> , 2014, 9, 457-477.	6.2	169
162	Nano Regulation of Cisplatin Chemotherapeutic Behaviors by Biomineralization Controls. <i>Small</i> , 2014, 10, 3644-3649.	5.2	21
163	Secondary Structure of Corona Proteins Determines the Cell Surface Receptors Used by Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14017-14026.	1.2	188
164	Preventing Corona Effects: Multiphosponic Acid Poly(ethylene glycol) Copolymers for Stable Stealth Iron Oxide Nanoparticles. <i>Biomacromolecules</i> , 2014, 15, 3171-3179.	2.6	71
165	Cryptic Epitopes of Albumin Determine Mononuclear Phagocyte System Clearance of Nanomaterials. <i>ACS Nano</i> , 2014, 8, 3357-3366.	7.3	127
166	Tunable T_{1} and T_{2} contrast abilities of manganese-engineered iron oxide nanoparticles through size control. <i>Nanoscale</i> , 2014, 6, 10404-10412.	2.8	137

#	ARTICLE	IF	CITATIONS
167	Particle geometry, charge, and wettability. , 2014, , 443-467.		3
168	Nanocomplex Based on Biocompatible Phospholipids and Albumin for Long-Circulation Applications. ACS Applied Materials & Interfaces, 2014, 6, 13730-13737.	4.0	31
169	Computer simulation of the role of protein corona in cellular delivery of nanoparticles. Biomaterials, 2014, 35, 8703-8710.	5.7	105
170	Blood compatible materials: state of the art. Journal of Materials Chemistry B, 2014, 2, 5718-5738.	2.9	237
171	Variations of the corona HDL:albumin ratio determine distinct effects of amorphous SiO ₂ nanoparticles on monocytes and macrophages in serum. Nanomedicine, 2014, 9, 2481-2497.	1.7	23
172	Application of Isothermal Titration Calorimetry for Characterizing Thermodynamic Parameters of Biomolecular Interactions: Peptide Self-Assembly and Protein Adsorption Case Studies. Biomacromolecules, 2014, 15, 3463-3473.	2.6	80
173	Interference of cationic polymeric nanoparticles with clinical chemistry testsâ€”Clinical relevance. International Journal of Pharmaceutics, 2014, 473, 599-606.	2.6	15
174	Bioremediation in Latin America. , 2014, , .		6
175	Bioactive Silica Nanoparticles Promote Osteoblast Differentiation through Stimulation of Autophagy and Direct Association with LC3 and p62. ACS Nano, 2014, 8, 5898-5910.	7.3	170
176	Understanding Interactions of Functionalized Nanoparticles with Proteins: A Case Study on Lactate Dehydrogenase. Small, 2014, 10, 2006-2021.	5.2	33
177	Supramolecular tailoring of proteinâ€™ nanoparticle interactions using cucurbituril mediators. Chemical Communications, 2014, 50, 5565.	2.2	26
178	Protein coronas suppress the hemolytic activity of hydrophilic and hydrophobic nanoparticles. Materials Horizons, 2014, 1, 102-105.	6.4	129
179	Green synthesis and physical characterization of Au nanoparticles and their interaction with bovine serum albumin. Colloids and Surfaces B: Biointerfaces, 2014, 122, 107-114.	2.5	29
180	Nanoparticleâ€™Cell Interactions: Molecular Structure of the Protein Corona and Cellular Outcomes. Accounts of Chemical Research, 2014, 47, 2651-2659.	7.6	464
181	The â€™Needle in the Haystackâ€™ Makes the Difference: Linear and Hyperbranched Polyglycerols with a Single Catechol Moiety for Metal Oxide Nanoparticle Coating. Macromolecules, 2014, 47, 4557-4566.	2.2	31
182	The synthesis of CeO ₂ nanospheres with different hollowness and size induced by copper doping. Nanoscale, 2014, 6, 10693.	2.8	83
183	Colloidal stability of nano-sized particles in the peritoneal fluid: Towards optimizing drug delivery systems for intraperitoneal therapy. Acta Biomaterialia, 2014, 10, 2965-2975.	4.1	58
184	Analytical Methods for Characterizing the Nanoparticleâ€™Protein Corona. Chromatographia, 2014, 77, 755-769.	0.7	58

#	ARTICLE	IF	CITATIONS
185	Aggregation Behavior of Cationic Nanohydrogel Particles in Human Blood Serum. <i>Biomacromolecules</i> , 2014, 15, 1526-1533.	2.6	60
186	Complexity in the therapeutic delivery of RNAi medicines: an analytical challenge. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1481-1495.	2.4	22
187	Nanoparticle size matters in the formation of plasma protein coronas on Fe ₃ O ₄ nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 354-361.	2.5	71
188	Mesoporous silica shell alleviates cytotoxicity and inflammation induced by colloidal silica particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 334-342.	2.5	3
189	PVP-coated, negatively charged silver nanoparticles: A multi-center study of their physicochemical characteristics, cell culture and in vivo experiments. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1944-1965.	1.5	119
190	Closing the gap: accelerating the translational process in nanomedicine by proposing standardized characterization techniques. <i>International Journal of Nanomedicine</i> , 2014, 9, 5729.	3.3	17
191	Nanomedicines for cancer therapy: state-of-the-art and limitations to pre-clinical studies that hinder future developments. <i>Frontiers in Chemistry</i> , 2014, 2, 69.	1.8	116
192	As-Produced: Intrinsic Physico-Chemical Properties and Appropriate Characterization Tools. , 2014, , 32-53.		2
193	Tissue distribution and acute toxicity of silver after single intravenous administration in mice: nano-specific and size-dependent effects. <i>Particle and Fibre Toxicology</i> , 2015, 13, 12.	2.8	207
194	Quantification of the cellular dose and characterization of nanoparticle transport during in vitro testing. <i>Particle and Fibre Toxicology</i> , 2015, 13, 47.	2.8	25
195	The effect of blood protein adsorption on cellular uptake of anatase TiO ₂ nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 687.	3.3	35
196	Direct stimulation of human fibroblasts by nCeO ₂ in vitro is attenuated with an amorphous silica coating. <i>Particle and Fibre Toxicology</i> , 2015, 13, 23.	2.8	14
197	Overcoming Multiple Drug Resistance by Spatial-Temporal Synchronization of Epirubicin and Pooled siRNAs. <i>Small</i> , 2015, 11, 1775-1781.	5.2	15
200	Red Blood Cell Membrane as a Biomimetic Nanocoating for Prolonged Circulation Time and Reduced Accelerated Blood Clearance. <i>Small</i> , 2015, 11, 6225-6236.	5.2	353
201	Environmental impact of multi-wall carbon nanotubes in a novel model of exposure: systemic distribution, macrophage accumulation, and amyloid deposition. <i>International Journal of Nanomedicine</i> , 2015, 10, 6133.	3.3	28
202	Metal Oxide Nanomaterial QNAR Models: Available Structural Descriptors and Understanding of Toxicity Mechanisms. <i>Nanomaterials</i> , 2015, 5, 1620-1637.	1.9	21
203	Nanoparticle Characterization of Traditional Homeopathically-Manufactured Silver (Argentum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	1.1	6
204	Mutagenic Effects of Iron Oxide Nanoparticles on Biological Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23482-23516.	1.8	59

#	ARTICLE	IF	CITATIONS
205	A hyperspectral and toxicological analysis of protein corona impact on silver nanoparticle properties, intracellular modifications, and macrophage activation. <i>International Journal of Nanomedicine</i> , 2015, 10, 6509.	3.3	40
206	Impact of Silver and Iron Nanoparticle Exposure on Cholesterol Uptake by Macrophages. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-12.	1.5	22
207	Fabrication of PVDF membranes entrapped with oleic acid modified TiO ₂ and selective adsorption toward bovine hemoglobin. <i>RSC Advances</i> , 2015, 5, 48607-48614.	1.7	7
208	Merging Worlds of Nanomaterials and Biological Environment: Factors Governing Protein Corona Formation on Nanoparticles and Its Biological Consequences. <i>Nanoscale Research Letters</i> , 2015, 10, 221.	3.1	105
209	Insight into the Interaction of Graphene Oxide with Serum Proteins and the Impact of the Degree of Reduction and Concentration. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13367-13374.	4.0	106
210	Study on the interaction between bovine serum albumin and starch nanoparticles prepared by isoamylolysis and recrystallization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 594-599.	2.5	12
211	Exploiting the novel properties of protein coronas: emerging applications in nanomedicine. <i>Nanomedicine</i> , 2015, 10, 1663-1674.	1.7	68
212	Online open-tubular fractionation scheme coupled with push-pull perfusion sampling for profiling extravasation of gold nanoparticles in a mouse tumor model. <i>Journal of Chromatography A</i> , 2015, 1402, 1-7.	1.8	2
213	How Nanoparticles Interact with Cancer Cells. <i>Cancer Treatment and Research</i> , 2015, 166, 227-244.	0.2	16
214	Next-generation nanoantibacterial tools developed from peptides. <i>Nanomedicine</i> , 2015, 10, 1643-1661.	1.7	8
215	Contact-dependent transfer of TiO ₂ nanoparticles between mammalian cells. <i>Nanotoxicology</i> , 2016, 10, 1-12.	1.6	11
216	Surface chemistry manipulation of gold nanorods preserves optical properties for bio-imaging applications. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	10
217	Synergistic Effects of Zinc Oxide Nanoparticles and Fatty Acids on Toxicity to Caco-2 Cells. <i>International Journal of Toxicology</i> , 2015, 34, 67-76.	0.6	58
218	Surface and Interfacial Engineering of Iron Oxide Nanoplates for Highly Efficient Magnetic Resonance Angiography. <i>ACS Nano</i> , 2015, 9, 3012-3022.	7.3	124
219	Tailoring the stealth properties of biocompatible polysaccharide nanocontainers. <i>Biomaterials</i> , 2015, 49, 125-134.	5.7	53
220	Colorimetric Nanoplasmonic Assay To Determine Purity and Titrate Extracellular Vesicles. <i>Analytical Chemistry</i> , 2015, 87, 4168-4176.	3.2	92
221	Real-Time Monitoring of Arsenic Trioxide Release and Delivery by Activatable T ₁ Imaging. <i>ACS Nano</i> , 2015, 9, 2749-2759.	7.3	106
222	Competitive Protein Adsorption to Soft Polymeric Layers: Binary Mixtures and Comparison to Theory. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3250-3258.	1.2	28

#	ARTICLE	IF	CITATIONS
223	Protein Adsorption Alters Hydrophobic Surfaces Used for Suspension Culture of Pluripotent Stem Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 388-393.	2.1	3
224	Towards understanding of nanoparticleâ€“protein corona. <i>Archives of Toxicology</i> , 2015, 89, 519-539.	1.9	135
225	The â€œSweetâ€“Side of the Protein Corona: Effects of Glycosylation on Nanoparticleâ€“Cell Interactions. <i>ACS Nano</i> , 2015, 9, 2157-2166.	7.3	184
226	Characterizing nanoparticles in complex biological media and physiological fluids with depolarized dynamic light scattering. <i>Nanoscale</i> , 2015, 7, 5991-5997.	2.8	75
227	Discovery of Protein- and DNA-Imperceptible Nanoparticle Hard Coating Using Gel-Based Reaction Tuning. <i>Journal of the American Chemical Society</i> , 2015, 137, 580-583.	6.6	27
228	Hyaluronan-decorated polymer nanoparticles targeting the CD44 receptor for the combined photo/chemo-therapy of cancer. <i>Nanoscale</i> , 2015, 7, 5643-5653.	2.8	70
229	Liposomeâ€“protein corona in a physiological environment: Challenges and opportunities for targeted delivery of nanomedicines. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 543-557.	1.7	196
230	Gold and silver nanoparticle interactions with human proteins: impact and implications in biocorona formation. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2075-2082.	2.9	96
231	Monoclonal Antibody-Functionalized Multilayered Particles: Targeting Cancer Cells in the Presence of Protein Coronas. <i>ACS Nano</i> , 2015, 9, 2876-2885.	7.3	99
232	Surface chemistry and serum type both determine the nanoparticleâ€“protein corona. <i>Journal of Proteomics</i> , 2015, 119, 209-217.	1.2	75
233	Nanoparticle technology for treatment of Parkinson's disease: the role of surface phenomena in reaching the brain. <i>Drug Discovery Today</i> , 2015, 20, 824-837.	3.2	77
234	Biosafety evaluations of well-dispersed mesoporous silica nanoparticles: towards in vivo-relevant conditions. <i>Nanoscale</i> , 2015, 7, 6471-6480.	2.8	41
235	Protein adsorption and cellular uptake of AuNPs capped with alkyl acids of different length. <i>RSC Advances</i> , 2015, 5, 22792-22801.	1.7	11
236	Adsorption and separation of amyloid beta aggregates using ferromagnetic nanoparticles coated with charged polymer brushes. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3351-3357.	2.9	7
237	No king without a crown â€“ impact of the nanomaterial-protein corona on nanobiomedicine. <i>Nanomedicine</i> , 2015, 10, 503-519.	1.7	101
238	Drug-loaded pseudo-block copolymer micelles with a multi-armed star polymer as the micellar exterior. <i>Nanoscale</i> , 2015, 7, 12572-12580.	2.8	33
239	The nanoparticle biomolecule corona: lessons learned â€“ challenge accepted?. <i>Chemical Society Reviews</i> , 2015, 44, 6094-6121.	18.7	539
240	The biomolecular corona of nanoparticles in circulating biological media. <i>Nanoscale</i> , 2015, 7, 13958-13966.	2.8	127

#	ARTICLE	IF	CITATIONS
241	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. Chemical Society Reviews, 2015, 44, 8174-8199.	18.7	268
242	The bio-corona and its impact on nanomaterial toxicity. European Journal of Nanomedicine, 2015, 7, .	0.6	27
243	Complementary mass spectrometric techniques for the quantification of the protein corona: a case study on gold nanoparticles and human serum proteins. Nanoscale, 2015, 7, 14324-14331.	2.8	57
244	Effects of the molecular weight and the valency of guest-modified poly(ethylene glycol)s on the stability, size and dynamics of supramolecular nanoparticles. Journal of Materials Chemistry B, 2015, 3, 6945-6952.	2.9	13
245	Iron Oxide Based Nanoparticles for Multimodal Imaging and Magnetoresponse Therapy. Chemical Reviews, 2015, 115, 10637-10689.	23.0	827
246	Interaction of bovine serum albumin with starch nanoparticles prepared by TEMPO-mediated oxidation. International Journal of Biological Macromolecules, 2015, 78, 333-338.	3.6	15
247	Clearance Pathways and Tumor Targeting of Imaging Nanoparticles. ACS Nano, 2015, 9, 6655-6674.	7.3	694
248	Interaction of gold nanoparticles with proteins and cells. Science and Technology of Advanced Materials, 2015, 16, 034610.	2.8	149
249	Surface Treatment Strategies on Catalytic Metal Nanoparticles. , 2015, , 1-21.		0
250	Technical tip: high-resolution isolation of nanoparticleâ€“protein corona complexes from physiological fluids. Nanoscale, 2015, 7, 11980-11990.	2.8	32
251	Keeping it real: The importance of material characterization in nanotoxicology. Biochemical and Biophysical Research Communications, 2015, 468, 498-503.	1.0	65
252	Interfacing proteins with graphitic nanomaterials: from spontaneous attraction to tailored assemblies. Chemical Society Reviews, 2015, 44, 6916-6953.	18.7	91
253	The fate of a designed protein corona on nanoparticles in vitro and in vivo. Beilstein Journal of Nanotechnology, 2015, 6, 36-46.	1.5	48
254	Surface-Engineered Graphene Navigate Divergent Biological Outcomes toward Macrophages. ACS Applied Materials & Interfaces, 2015, 7, 5239-5247.	4.0	48
255	Label-free surface-enhanced Raman spectroscopy of biofluids: fundamental aspects and diagnostic applications. Analytical and Bioanalytical Chemistry, 2015, 407, 8265-8277.	1.9	156
256	<i>In vitro</i> gastrointestinal digestion increases the translocation of polystyrene nanoparticles in an <i>in vitro</i> intestinal co-culture model. Nanotoxicology, 2015, 9, 886-894.	1.6	79
257	Synthesis and Biodistribution Studies of ³ H- and ⁶⁴ Cu-Labeled Dendritic Polyglycerol and Dendritic Polyglycerol Sulfate. Bioconjugate Chemistry, 2015, 26, 906-918.	1.8	32
258	Personalized disease-specific protein corona influences the therapeutic impact of graphene oxide. Nanoscale, 2015, 7, 8978-8994.	2.8	199

#	ARTICLE	IF	CITATIONS
259	Shape matters: synthesis and biomedical applications of high aspect ratio magnetic nanomaterials. <i>Nanoscale</i> , 2015, 7, 8233-8260.	2.8	90
260	PEG-b-AGE polymer coated magnetic nanoparticle probes with facile functionalization and anti-fouling properties for reducing non-specific uptake and improving biomarker targeting. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3591-3603.	2.9	45
261	eNanoMapper: harnessing ontologies to enable data integration for nanomaterial risk assessment. <i>Journal of Biomedical Semantics</i> , 2015, 6, 10.	0.9	63
262	Bio-physical evaluation and in vivo delivery of plant proteinase inhibitor immobilized on silica nanospheres. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 130, 84-92.	2.5	11
263	Applications of nanomaterials in modern medicine. <i>Rendiconti Lincei</i> , 2015, 26, 231-237.	1.0	5
264	Comparative examination of adsorption of serum proteins on HSA- and PLGA-based nanoparticles using SDS-PAGE and LC-MS. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 80-87.	2.0	56
265	It takes two to tango: Understanding the interactions between engineered nanomaterials and the immune system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 3-12.	2.0	88
266	Nanotechnology-Based Precision Tools for the Detection and Treatment of Cancer. <i>Cancer Treatment and Research</i> , 2015, , .	0.2	25
267	Carbohydrate-Based Nanocarriers Exhibiting Specific Cell Targeting with Minimum Influence from the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7436-7440.	7.2	137
268	Prediction of nanoparticles-cell association based on corona proteins and physicochemical properties. <i>Nanoscale</i> , 2015, 7, 9664-9675.	2.8	118
269	Mapping protein binding sites on the biomolecular corona of nanoparticles. <i>Nature Nanotechnology</i> , 2015, 10, 472-479.	15.6	312
270	Oligolayer-Coated Nanoparticles: Impact of Surface Topography at the Nanobio Interface. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7891-7900.	4.0	15
271	Proteomic profiling of protein corona formed on the surface of nanomaterial. <i>Science China Chemistry</i> , 2015, 58, 780-792.	4.2	13
272	Protein Corona of Nanoparticles: Distinct Proteins Regulate the Cellular Uptake. <i>Biomacromolecules</i> , 2015, 16, 1311-1321.	2.6	497
273	Enhancement of adaptive biological effects by nanotechnology preparation methods in homeopathic medicines. <i>Homeopathy</i> , 2015, 104, 123-138.	0.5	31
274	Blockade of oral tolerance to ovalbumin in mice by silver nanoparticles. <i>Nanomedicine</i> , 2015, 10, 419-431.	1.7	45
275	Design attributes of long-circulating polymeric drug delivery vehicles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 304-317.	2.0	49
276	Improving cell-based therapies by nanomodification. <i>Journal of Controlled Release</i> , 2015, 219, 560-575.	4.8	16

#	ARTICLE	IF	CITATIONS
277	Stealth Effect of Biomolecular Corona on Nanoparticle Uptake by Immune Cells. <i>Langmuir</i> , 2015, 31, 10764-10773.	1.6	102
278	Competitive Binding of Proteins to Gold Nanoparticles Disclosed by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22172-22180.	1.5	76
279	Targeting Ability of Affibody-Functionalized Particles Is Enhanced by Albumin but Inhibited by Serum Coronas. <i>ACS Macro Letters</i> , 2015, 4, 1259-1263.	2.3	44
280	A survey of state-of-the-art surface chemistries to minimize fouling from human and animal biofluids. <i>Biomaterials Science</i> , 2015, 3, 1335-1370.	2.6	64
281	Real-Time Monitoring <i>in Vivo</i> Behaviors of Theranostic Nanoparticles by Contrast-Enhanced T ₁ Imaging. <i>Analytical Chemistry</i> , 2015, 87, 8941-8948.	3.2	24
282	Application of Nanoparticles in Manufacturing. , 2015, , 1-53.		4
283	Nanoparticle stability in biologically relevant media: influence of polymer architecture. <i>Soft Matter</i> , 2015, 11, 7296-7307.	1.2	32
284	Of drug administration, war and oÃkos: mediating cancer with nanomedicines. <i>Nanomedicine</i> , 2015, 10, 3261-3274.	1.7	7
285	Disregarded Effect of Biological Fluids in siRNA Delivery: Human Ascites Fluid Severely Restricts Cellular Uptake of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24322-24329.	4.0	29
286	Theranostic potential of gold nanoparticle-protein agglomerates. <i>Nanoscale</i> , 2015, 7, 18411-18423.	2.8	23
287	Protein corona mitigates the cytotoxicity of graphene oxide by reducing its physical interaction with cell membrane. <i>Nanoscale</i> , 2015, 7, 15214-15224.	2.8	204
288	Reducing the cytotoxicity of ZnO nanoparticles by a pre-formed protein corona in a supplemented cell culture medium. <i>RSC Advances</i> , 2015, 5, 73963-73973.	1.7	80
289	Characterization of the bionano interface and mapping extrinsic interactions of the corona of nanomaterials. <i>Nanoscale</i> , 2015, 7, 15268-15276.	2.8	52
290	Carbohydrate nanocarriers in biomedical applications: functionalization and construction. <i>Chemical Society Reviews</i> , 2015, 44, 8301-8325.	18.7	196
291	Nanoparticle Probes for the Detection of Cancer Biomarkers, Cells, and Tissues by Fluorescence. <i>Chemical Reviews</i> , 2015, 115, 10530-10574.	23.0	864
292	Effect of dendritic polymers on a simple model biological membrane. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	3
293	Nanoparticle uptake: The phagocyte problem. <i>Nano Today</i> , 2015, 10, 487-510.	6.2	967
294	Protein Corona Influences Cellular Uptake of Gold Nanoparticles by Phagocytic and Nonphagocytic Cells in a Size-Dependent Manner. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20568-20575.	4.0	243

#	ARTICLE	IF	CITATIONS
295	Serum protein adsorption and excretion pathways of metal nanoparticles. <i>Nanomedicine</i> , 2015, 10, 2781-2794.	1.7	52
296	Chemical Control over Cellular Uptake of Organic Nanoparticles by Fine Tuning Surface Functional Groups. <i>ACS Nano</i> , 2015, 9, 10227-10236.	7.3	47
297	Protein-based photothermal theranostics for imaging-guided cancer therapy. <i>Nanoscale</i> , 2015, 7, 16330-16336.	2.8	80
298	BSA adsorption on gold nanoparticles investigated under static and flow conditions. , 2015, , .		1
299	Proteomic and Lipidomic Analysis of Nanoparticle Corona upon Contact with Lung Surfactant Reveals Differences in Protein, but Not Lipid Composition. <i>ACS Nano</i> , 2015, 9, 11872-11885.	7.3	164
300	A closer look into the ubiquitin corona on gold nanoparticles by computational studies. <i>New Journal of Chemistry</i> , 2015, 39, 2474-2482.	1.4	49
301	Facile integration of multiple magnetite nanoparticles for theranostics combining efficient MRI and thermal therapy. <i>Nanoscale</i> , 2015, 7, 2667-2675.	2.8	39
302	The permeability and transport mechanism of graphene quantum dots (GQDs) across the biological barrier. <i>Nanoscale</i> , 2015, 7, 2034-2041.	2.8	56
303	Physical and Biophysical Characteristics of Nanoparticles: Potential Impact on Targeted Drug Delivery. <i>Advances in Delivery Science and Technology</i> , 2015, , 649-666.	0.4	1
304	Nanoparticleâ€‘blood interactions: the implications on solid tumour targeting. <i>Chemical Communications</i> , 2015, 51, 2756-2767.	2.2	226
305	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. <i>Journal of Materials Chemistry B</i> , 2015, 3, 939-958.	2.9	126
306	Endothelial cell activation, oxidative stress and inflammation induced by a panel of metal-based nanomaterials. <i>Nanotoxicology</i> , 2015, 9, 813-824.	1.6	38
307	Oral ingestion of silver nanoparticles induces genomic instability and DNA damage in multiple tissues. <i>Nanotoxicology</i> , 2015, 9, 162-171.	1.6	63
308	Targeted Decationized Polyplexes for siRNA Delivery. <i>Molecular Pharmaceutics</i> , 2015, 12, 150-161.	2.3	22
309	Theoretical and Computational Investigations of Nanoparticleâ€‘Biomembrane Interactions in Cellular Delivery. <i>Small</i> , 2015, 11, 1055-1071.	5.2	232
310	Catalytic properties and biomedical applications of cerium oxide nanoparticles. <i>Environmental Science: Nano</i> , 2015, 2, 33-53.	2.2	341
311	Formation of a Protein Corona on Silver Nanoparticles Mediates Cellular Toxicity via Scavenger Receptors. <i>Toxicological Sciences</i> , 2015, 143, 136-146.	1.4	125
312	Nanomedical engineering: shaping future nanomedicines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 169-188.	3.3	50

#	ARTICLE	IF	CITATIONS
313	Probing the protein-nanoparticle interface: the role of aromatic substitution pattern on affinity. <i>Supramolecular Chemistry</i> , 2015, 27, 123-126.	1.5	4
314	A secretomics analysis reveals major differences in the macrophage responses towards different types of carbon nanotubes. <i>Nanotoxicology</i> , 2015, 9, 719-728.	1.6	29
315	Nanoparticles-induced inflammatory cytokines in human plasma concentration manner: an ignored factor at the nanobio-interface. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 317-323.	1.2	12
316	Toxicity of Metal and Metal Oxide Nanoparticles. , 2015, , 75-112.		33
317	<div>Effects of the protein corona on liposome&ndash;lipo	3.3	67
318	Provenance information as a tool for addressing engineered nanoparticle reproducibility challenges. <i>Biointerphases</i> , 2016, 11, 04B401.	0.6	26
319	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. , 2016, , 163-207.		5
320	Detecting and Quantifying Biomolecular Interactions of a Dendritic Polyglycerol Sulfate Nanoparticle Using Fluorescence Lifetime Measurements. <i>Molecules</i> , 2016, 21, 22.	1.7	26
321	Transport of Gold Nanoparticles by Vascular Endothelium from Different Human Tissues. <i>PLoS ONE</i> , 2016, 11, e0161610.	1.1	42
322	Tuning the Surface of Nanoparticles: Impact of Poly(2-ethyl-oxazoline) on Protein Adsorption in Serum and Cellular Uptake. <i>Macromolecular Bioscience</i> , 2016, 16, 1287-1300.	2.1	43
323	The Protein Corona of Plant Virus Nanoparticles Influences their Dispersion Properties, Cellular Interactions, and In Vivo Fates. <i>Small</i> , 2016, 12, 1758-1769.	5.2	72
324	What is the role of curvature on the properties of nanomaterials for biomedical applications?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 334-354.	3.3	33
325	The Effects of Spacer Length and Composition on Aptamer-Mediated Cell-Specific Targeting with Nanoscale PEGylated Liposomal Doxorubicin. <i>ChemBioChem</i> , 2016, 17, 1111-1117.	1.3	30
326	Biodistribution and toxicity of spherical aluminum oxide nanoparticles. <i>Journal of Applied Toxicology</i> , 2016, 36, 424-433.	1.4	42
327	Dual-Responsive Carbon Dots for Tumor Extracellular Microenvironment Triggered Targeting and Enhanced Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18732-18740.	4.0	178
328	Controlling the Stealth Effect of Nanocarriers through Understanding the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8806-8815.	7.2	215
329	Die Steuerung des Stealth-Effekts von Nanoträgern durch das Verständnis der Proteinkorona. <i>Angewandte Chemie</i> , 2016, 128, 8950-8959.	1.6	11
330	Engineering the Protein Corona of a Synthetic Polymer Nanoparticle for Broad-Spectrum Sequestration and Neutralization of Venomous Biomacromolecules. <i>Journal of the American Chemical Society</i> , 2016, 138, 16604-16607.	6.6	63

#	ARTICLE	IF	CITATIONS
331	How to design the surface of peptide-loaded nanoparticles for efficient oral bioavailability?. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 320-336.	6.6	78
332	Modification of the protein corona of nanoparticle complex by physiological factors. <i>Materials Science and Engineering C</i> , 2016, 64, 34-42.	3.8	51
333	Characterization of protein-conjugating kinetics based on localized surface plasmon resonance of the gold nanoparticle. <i>Spectroscopy Letters</i> , 2016, 49, 434-443.	0.5	3
334	Emerging Physicochemical Phenomena along with New Opportunities at the Biomolecular-Nanoparticle Interface. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2139-2150.	2.1	41
335	Exploitation of nanoparticle-protein corona for emerging therapeutic and diagnostic applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4376-4381.	2.9	32
336	Measuring the Hydrodynamic Size of Nanoparticles Using Fluctuation Correlation Spectroscopy. <i>Annual Review of Physical Chemistry</i> , 2016, 67, 489-514.	4.8	25
337	Impact of mesoporous silica surface functionalization on human serum albumin interaction, cytotoxicity and antibacterial activity. <i>Microporous and Mesoporous Materials</i> , 2016, 231, 47-56.	2.2	15
339	The effects of nanoparticles on the renal system. <i>Critical Reviews in Toxicology</i> , 2016, 46, 490-560.	1.9	84
340	Regulation of Macrophage Recognition through the Interplay of Nanoparticle Surface Functionality and Protein Corona. <i>ACS Nano</i> , 2016, 10, 4421-4430.	7.3	264
341	Inorganic nanoparticles for optical bioimaging. <i>Advances in Optics and Photonics</i> , 2016, 8, 1.	12.1	175
342	Biological in situ characterization of polymeric microbubble contrast agents. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 232-243.	1.2	9
343	Three-Dimensional Optical Mapping of Nanoparticle Distribution in Intact Tissues. <i>ACS Nano</i> , 2016, 10, 5468-5478.	7.3	73
344	Controllable synthesis of CeO ₂ nanoparticles with different sizes and shapes and their application in NO oxidation. <i>RSC Advances</i> , 2016, 6, 50680-50687.	1.7	9
345	Quantum dot surface engineering: Toward inert fluorophores with compact size and bright, stable emission. <i>Coordination Chemistry Reviews</i> , 2016, 320-321, 216-237.	9.5	74
346	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. <i>Nano Today</i> , 2016, 11, 133-144.	6.2	208
347	Surface Charge Controls the Suborgan Biodistributions of Gold Nanoparticles. <i>ACS Nano</i> , 2016, 10, 5536-5542.	7.3	185
348	Principles of Nanotoxicology. , 2016, , 171-227.		2
349	Facilitating the Clinical Integration of Nanomedicines: The Roles of Theoretical and Computational Scientists. <i>ACS Nano</i> , 2016, 10, 8133-8138.	7.3	33

#	ARTICLE	IF	CITATIONS
350	Protein corona influences liver accumulation and hepatotoxicity of gold nanorods. <i>NanoImpact</i> , 2016, 3-4, 40-46.	2.4	27
351	Re-evaluation of titanium dioxide (E171) as a food additive. <i>EFSA Journal</i> , 2016, 14, e04545.	0.9	103
352	Pre-coating with protein fractions inhibits nano-carrier aggregation in human blood plasma. <i>RSC Advances</i> , 2016, 6, 96495-96509.	1.7	33
353	Characterisation of the protein corona using tunable resistive pulse sensing: determining the change and distribution of a particle's surface charge. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 5757-5768.	1.9	56
354	Plasmonically Engineered Nanoprobes for Biomedical Applications. <i>Journal of the American Chemical Society</i> , 2016, 138, 14509-14525.	6.6	183
355	Kinetics of the formation of a protein corona around nanoparticles. <i>Mathematical Biosciences</i> , 2016, 282, 82-90.	0.9	39
356	Electrostatic Interactions and Protein Competition Reveal a Dynamic Surface in Gold Nanoparticle-Protein Adsorption. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24231-24239.	1.5	77
357	RNA-binding proteins are a major target of silica nanoparticles in cell extracts. <i>Nanotoxicology</i> , 2016, 10, 1555-1564.	1.6	86
361	Medroxyprogesterone-encapsulated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanoparticles using supercritical fluid extraction of emulsions. <i>Journal of Supercritical Fluids</i> , 2016, 118, 79-88.	1.6	20
362	Green synthesis and characterization of zinc oxide nanoparticles using carboxylic curdlan and their interaction with bovine serum albumin. <i>RSC Advances</i> , 2016, 6, 77752-77759.	1.7	19
363	Protein adsorption onto nanoparticles induces conformational changes: Particle size dependency, kinetics, and mechanisms. <i>Engineering in Life Sciences</i> , 2016, 16, 238-246.	2.0	133
364	Changes in Optical Properties of Plasmonic Nanoparticles in Cellular Environments are Modulated by Nanoparticle PEGylation and Serum Conditions. <i>Nanoscale Research Letters</i> , 2016, 11, 303.	3.1	6
365	Improved dispersibility of nano-graphene oxide by amphiphilic polymer coatings for biomedical applications. <i>RSC Advances</i> , 2016, 6, 77818-77829.	1.7	19
366	Improving Targeting of Metal-Phenolic Capsules by the Presence of Protein Coronas. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22914-22922.	4.0	76
367	Ion-Mobility-Based Quantification of Surface-Coating-Dependent Binding of Serum Albumin to Superparamagnetic Iron Oxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24482-24490.	4.0	15
368	Zwitterionic Polymer-Coated Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Low Protein Interaction and High Biocompatibility. <i>ChemNanoMat</i> , 2016, 2, 959-971.	1.5	23
369	Liquid Nebulization-Ion Mobility Spectrometry Based Quantification of Nanoparticle-Protein Conjugate Formation. <i>Analytical Chemistry</i> , 2016, 88, 7667-7674.	3.2	11
370	Fast Targeting and Cancer Cell Uptake of Luminescent Antibody-Nanozeolite Bioconjugates. <i>Small</i> , 2016, 12, 5431-5441.	5.2	15

#	ARTICLE	IF	CITATIONS
371	Synthetic virus-like particles prepared via protein corona formation enable effective vaccination in an avian model of coronavirus infection. <i>Biomaterials</i> , 2016, 106, 111-118.	5.7	74
372	Dual Action Enhancement of Gold Nanoparticle Radiosensitization by Pentamidine in Triple Negative Breast Cancer. <i>Radiation Research</i> , 2016, 185, 549.	0.7	29
373	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <i>Nature Communications</i> , 2016, 7, 11770.	5.8	136
374	Mechanisms of cell uptake, inflammatory potential and protein corona effects with gold nanoparticles. <i>Nanomedicine</i> , 2016, 11, 3185-3203.	1.7	87
375	Differential Protein Adsorption and Cellular Uptake of Silica Nanoparticles Based on Size and Porosity. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34820-34832.	4.0	99
376	Understanding Protein Structure Deformation on the Surface of Gold Nanoparticles of Varying Size. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27944-27953.	1.5	40
377	Biocompatibility and internalization of molecularly imprinted nanoparticles. <i>Nano Research</i> , 2016, 9, 3463-3477.	5.8	61
378	Functionalization of boron nitride nanotubes for applications in nanobiomedicine. , 2016, , 17-40.		7
379	Ferritin: Versatile Host, Nanoreactor, and Delivery Agent. <i>Israel Journal of Chemistry</i> , 2016, 56, 660-670.	1.0	18
380	Zwitterionic surface coating of quantum dots reduces protein adsorption and cellular uptake. <i>Nanoscale</i> , 2016, 8, 17794-17800.	2.8	63
381	Aggregation Kinetics of Hematite Particles in the Presence of Outer Membrane Cytochrome OmcA of <i>Shewanella oneidensis</i> MR-1. <i>Environmental Science & Technology</i> , 2016, 50, 11016-11024.	4.6	53
382	Nanoparticle-protein complexes mimicking corona formation in ocular environment. <i>Biomaterials</i> , 2016, 109, 23-31.	5.7	25
384	Bio-identity and fate of albumin-coated SPIONs evaluated in cells and by the <i>C. elegans</i> model. <i>Acta Biomaterialia</i> , 2016, 43, 348-357.	4.1	41
385	Anti-phagocytosis and tumor cell targeting micelles prepared from multifunctional cell membrane mimetic polymers. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5464-5474.	2.9	14
386	Enhanced gene delivery to the lung using biodegradable polyunsaturated cationic phosphatidylcholine-detergent conjugates. <i>International Journal of Pharmaceutics</i> , 2016, 511, 205-218.	2.6	7
387	Analysis of nanoparticle delivery to tumours. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	3,393
388	Polymeric Nanoparticles as siRNA Drug Delivery System for Cancer Therapy: The Long Road to Therapeutic Efficiency. , 2016, , 503-540.		5
389	The role of the food matrix and gastrointestinal tract in the assessment of biological properties of ingested engineered nanomaterials (iENMs): State of the science and knowledge gaps. <i>NanoImpact</i> , 2016, 3-4, 47-57.	2.4	103

#	ARTICLE	IF	CITATIONS
390	One low-dose exposure of gold nanoparticles induces long-term changes in human cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13318-13323.	3.3	124
391	Development of carbon nanotube-based biosensors. International Journal of Nano and Biomaterials, 2016, 6, 83.	0.1	13
392	Exploring tight junction alteration using double fluorescent probe combination of lanthanide complex with gold nanoclusters. Scientific Reports, 2016, 6, 32218.	1.6	11
393	Relationships between Poly(ethylene glycol) Modifications on RNA-Spherical Nucleic Acid Conjugates and Cellular Uptake and Circulation Time. Bioconjugate Chemistry, 2016, 27, 2715-2721.	1.8	25
394	Behavior of superparamagnetic nanoparticles in regard of brain activity – a proof of concept. , 2016, 2016, 4216-4219.		1
395	Multi-scale Thermal Conductivity Measurements for Cryobiological Applications. Frontiers in Nanobiomedical Research, 2016, , 125-171.	0.1	2
396	The Intracellular Destiny of the Protein Corona: A Study on its Cellular Internalization and Evolution. ACS Nano, 2016, 10, 10471-10479.	7.3	154
397	Trojan-Like Internalization of Anatase Titanium Dioxide Nanoparticles by Human Osteoblast Cells. Scientific Reports, 2016, 6, 23615.	1.6	77
398	Design strategy of surface decoration for efficient delivery of nanoparticles by computer simulation. Scientific Reports, 2016, 6, 26783.	1.6	32
400	Small is Smarter: Nano MRI Contrast Agents – Advantages and Recent Achievements. Small, 2016, 12, 556-576.	5.2	147
401	Cellular Response of Therapeutic Nanoparticles. , 2016, , 153-172.		1
402	Nanoparticles-cell association predicted by protein corona fingerprints. Nanoscale, 2016, 8, 12755-12763.	2.8	75
403	Nanoscale Materials in Targeted Drug Delivery, Theragnosis and Tissue Regeneration. , 2016, , .		10
404	Preparation of highly cross-linked raspberry-like nano/microspheres and surface tailoring for controlled immunostimulating peptide adsorption. Polymer Chemistry, 2016, 7, 4531-4541.	1.9	25
405	Charged surface groups of nanoparticles and the adsorbed proteins codetermine the fate of nanoparticles upon interacting with cells. RSC Advances, 2016, 6, 58315-58324.	1.7	10
406	Carboxymethyl Dextran-Stabilized Polyethylenimine-Poly(epsilon-caprolactone) Nanoparticles-Mediated Modulation of MicroRNA-34a Expression via Small-Molecule Modulator for Hepatocellular Carcinoma Therapy. ACS Applied Materials & Interfaces, 2016, 8, 17068-17079.	4.0	21
407	The interaction of an amino-modified ZrO2 nanomaterial with macrophages – an in situ investigation by Raman microspectroscopy. Analytical and Bioanalytical Chemistry, 2016, 408, 5935-5943.	1.9	7
408	Tuning the Protein Corona of Hydrogel Nanoparticles: The Synthesis of Abiotic Protein and Peptide Affinity Reagents. Accounts of Chemical Research, 2016, 49, 1200-1210.	7.6	72

#	ARTICLE	IF	CITATIONS
409	Controlled Permeability in Porous Polymer Nanocapsules Enabling Size- and Charge-Selective SERS Nanoprobes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19755-19763.	4.0	29
410	Beyond the passive interactions at the nano-bio interface: evidence of Cu metalloprotein-driven oxidative dissolution of silver nanoparticles. <i>Journal of Nanobiotechnology</i> , 2016, 14, 7.	4.2	14
411	From the Cover: Disease-Induced Disparities in Formation of the Nanoparticle-Biocorona and the Toxicological Consequences. <i>Toxicological Sciences</i> , 2016, 152, 406-416.	1.4	29
412	Delayed hepatic uptake of multi-phosphonic acid poly(ethylene glycol) coated iron oxide measured by real-time magnetic resonance imaging. <i>RSC Advances</i> , 2016, 6, 63788-63800.	1.7	23
413	Red emissive nanoclay hybrids in transparent aqueous dispersion towards optical applications in biophotonics. <i>Journal of Luminescence</i> , 2016, 169, 728-732.	1.5	7
414	Geometrically confined ultrasmall gadolinium oxide nanoparticles boost the T ₁ contrast ability. <i>Nanoscale</i> , 2016, 8, 3768-3774.	2.8	57
415	Critical review: impacts of macromolecular coatings on critical physicochemical processes controlling environmental fate of nanomaterials. <i>Environmental Science: Nano</i> , 2016, 3, 283-310.	2.2	130
416	Cell and nanoparticle transport in tumour microvasculature: the role of size, shape and surface functionality of nanoparticles. <i>Interface Focus</i> , 2016, 6, 20150086.	1.5	79
417	Adsorption and Unfolding of a Single Protein Triggers Nanoparticle Aggregation. <i>ACS Nano</i> , 2016, 10, 2103-2112.	7.3	177
418	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , 2016, 10, 387-395.	7.3	95
419	The potential of protein-nanomaterial interaction for advanced drug delivery. <i>Journal of Controlled Release</i> , 2016, 225, 121-132.	4.8	111
420	Analytical Aspects of Nanotoxicology. <i>Analytical Chemistry</i> , 2016, 88, 451-479.	3.2	56
421	The impact of nanoparticle protein corona on cytotoxicity, immunotoxicity and target drug delivery. <i>Nanomedicine</i> , 2016, 11, 81-100.	1.7	499
422	The importance of selecting a proper biological milieu for protein corona analysis in vitro: Human plasma versus human serum. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 188-195.	1.2	112
423	Influence of agglomeration and specific lung lining lipid/protein interaction on short-term inhalation toxicity. <i>Nanotoxicology</i> , 2016, 10, 970-980.	1.6	55
424	Adsorbed plasma proteins modulate the effects of single-walled carbon nanotubes on neutrophils in blood. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1615-1625.	1.7	23
425	Formation of High-Density Lipoprotein (HDL) Coronas on Silica Nanoparticles Occurs by Adsorption of Intact HDL Particulates. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 3-4.	1.0	11
426	Ultrasmall inorganic nanoparticles: State-of-the-art and perspectives for biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1663-1701.	1.7	238

#	ARTICLE	IF	CITATIONS
427	Recent Progress in Cancer Thermal Therapy Using Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4691-4716.	1.5	778
428	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. <i>ACS Nano</i> , 2016, 10, 3723-3737.	7.3	130
429	Protein adsorption is required for stealth effect of poly(ethylene glycol)- and poly(phosphoester)-coated nanocarriers. <i>Nature Nanotechnology</i> , 2016, 11, 372-377.	15.6	969
430	Understanding the nanoparticle-protein corona complexes using computational and experimental methods. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 162-174.	1.2	96
431	Size and ζ -Potential Measurement of Silica Nanoparticles in Serum Using Tunable Resistive Pulse Sensing. <i>Langmuir</i> , 2016, 32, 2216-2224.	1.6	92
432	Biointeractions of ultrasmall glutathione-coated gold nanoparticles: effect of small size variations. <i>Nanoscale</i> , 2016, 8, 6577-6588.	2.8	69
433	Influence of Solution Chemistry and Soft Protein Coronas on the Interactions of Silver Nanoparticles with Model Biological Membranes. <i>Environmental Science & Technology</i> , 2016, 50, 2301-2309.	4.6	37
434	In vivo degeneration and the fate of inorganic nanoparticles. <i>Chemical Society Reviews</i> , 2016, 45, 2440-2457.	18.7	355
435	Quantitative analysis of nanoparticle transport through <i>in vitro</i> blood-brain barrier models. <i>Tissue Barriers</i> , 2016, 4, e1143545.	1.6	14
436	Impact of Proteins on Aggregation Kinetics and Adsorption Ability of Hematite Nanoparticles in Aqueous Dispersions. <i>Environmental Science & Technology</i> , 2016, 50, 2228-2235.	4.6	65
437	Molecular Dynamics of Fibrinogen Adsorption onto Graphene, but Not onto Poly(ethylene glycol) Surface, Increases Exposure of Recognition Sites That Trigger Immune Response. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 706-720.	2.5	19
438	Effect of Nanoparticle Surface on the HPLC Elution Profile of Liposomal Nanoparticles. <i>Pharmaceutical Research</i> , 2016, 33, 1440-1446.	1.7	8
439	Synthesis, Characterization of ZnO Nanorods and its Interaction with Albumin Protein. <i>Materials Today: Proceedings</i> , 2016, 3, 592-597.	0.9	4
440	Regulation of Interparticle Forces Reveals Controlled Aggregation in Charged Nanoparticles. <i>Chemistry of Materials</i> , 2016, 28, 2348-2355.	3.2	50
441	The concept of bio-corona in modulating the toxicity of engineered nanomaterials (ENM). <i>Toxicology and Applied Pharmacology</i> , 2016, 299, 53-57.	1.3	61
442	“Stealth” nanoparticles evade neural immune cells but also evade major brain cell populations: Implications for PEG-based neurotherapeutics. <i>Journal of Controlled Release</i> , 2016, 224, 136-145.	4.8	51
443	Enzymatic oxidative biodegradation of nanoparticles: Mechanisms, significance and applications. <i>Toxicology and Applied Pharmacology</i> , 2016, 299, 58-69.	1.3	89
444	Protein source and choice of anticoagulant decisively affect nanoparticle protein corona and cellular uptake. <i>Nanoscale</i> , 2016, 8, 5526-5536.	2.8	120

#	ARTICLE	IF	CITATIONS
445	Understanding the Robust Physisorption between Bovine Serum Albumin and Amphiphilic Polymer Coated Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2478-2485.	4.0	20
446	An environmental route of exposure affects the formation of nanoparticle coronas in blood plasma. <i>Journal of Proteomics</i> , 2016, 137, 52-58.	1.2	25
447	Polymeric micelles with $\hat{\iota}$ -glutamyl-terminated PEG shells show low non-specific protein adsorption and a prolonged in vivo circulation time. <i>Materials Science and Engineering C</i> , 2016, 59, 766-772.	3.8	23
448	The protein corona of circulating PEGylated liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 189-196.	1.4	178
449	In vitro studies of serum albumin interaction with poly(d , l -lactide) nanospheres loaded by hydrophobic cargo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 426-435.	1.4	5
450	Long term in vivo imaging with Cr ³⁺ doped spinel nanoparticles exhibiting persistent luminescence. <i>Journal of Luminescence</i> , 2016, 170, 879-887.	1.5	120
451	Personalized liposomeâ€“protein corona in the blood of breast, gastric and pancreatic cancer patients. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 75, 180-187.	1.2	112
452	Phase transfer of citrate stabilized gold nanoparticles using nonspecifically adsorbed polymers. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 39-44.	5.0	17
453	Nanomedicine applied to translational oncology: A future perspective on cancer treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 81-103.	1.7	220
454	Understanding the interactions between porphyrin-containing photosensitizers and polymer-coated nanoparticles in model biological environments. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 225-231.	5.0	20
455	Tissue deposition and toxicological effects of commercially significant rare earth oxide nanomaterials: Material and physical properties. <i>Environmental Toxicology</i> , 2017, 32, 904-917.	2.1	22
456	Algorithm-driven high-throughput screening of colloidal nanoparticles under simulated physiological and therapeutic conditions. <i>Nanoscale</i> , 2017, 9, 2291-2300.	2.8	2
457	Interrogating Cellular Functions with Designer Janus Particles. <i>Chemistry of Materials</i> , 2017, 29, 1448-1460.	3.2	31
458	Polyanhydride Nanoparticle Interactions with Host Serum Proteins and Their Effects on Bone Marrow Derived Macrophage Activation. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 160-168.	2.6	7
459	Gold nanotriangles: scale up and X-ray radiosensitization effects in mice. <i>Nanoscale</i> , 2017, 9, 5085-5093.	2.8	58
460	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. <i>Journal of Controlled Release</i> , 2017, 263, 211-222.	4.8	57
461	In vivo protein corona patterns of lipid nanoparticles. <i>RSC Advances</i> , 2017, 7, 1137-1145.	1.7	59
462	Limiting the protein corona: A successful strategy for in vivo active targeting of anti-HER2 nanobody-functionalized nanostars. <i>Biomaterials</i> , 2017, 123, 15-23.	5.7	36

#	ARTICLE	IF	CITATIONS
463	Cell-Conditioned Protein Coronas on Engineered Particles Influence Immune Responses. <i>Biomacromolecules</i> , 2017, 18, 431-439.	2.6	33
464	In Situ Characterization of Protein Adsorption onto Nanoparticles by Fluorescence Correlation Spectroscopy. <i>Accounts of Chemical Research</i> , 2017, 50, 387-395.	7.6	139
465	Nanoparticles Associate with Intrinsically Disordered RNA-Binding Proteins. <i>ACS Nano</i> , 2017, 11, 1328-1339.	7.3	11
466	Real-time <i>in situ</i> analysis of biocorona formation and evolution on silica nanoparticles in defined and complex biological environments. <i>Nanoscale</i> , 2017, 9, 3620-3628.	2.8	41
467	Bovine Serum Albumin Adsorption on TiO ₂ Colloids: The Effect of Particle Agglomeration and Surface Composition. <i>Langmuir</i> , 2017, 33, 2551-2558.	1.6	44
468	Exploiting the Protein Corona from Cell Lysate on DNA Functionalized Gold Nanoparticles for Enhanced mRNA Translation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10408-10417.	4.0	18
469	Zwitterionic Modification of Ultrasmall Iron Oxide Nanoparticles for Reduced Protein Corona Formation. <i>ChemPlusChem</i> , 2017, 82, 638-646.	1.3	14
470	Simple and tunable surface coatings via polydopamine for modulating pharmacokinetics, cell uptake and biodistribution of polymeric nanoparticles. <i>RSC Advances</i> , 2017, 7, 15864-15876.	1.7	28
471	Gold nanoparticle-mediated photothermal therapy: applications and opportunities for multimodal cancer treatment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1449.	3.3	512
472	Impact of surface grafting density of PEG macromolecules on dually fluorescent silica nanoparticles used for the <i>in vivo</i> imaging of subcutaneous tumors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1587-1596.	1.1	32
473	Unveiling the <i>in Vivo</i> Protein Corona of Circulating Leukocyte-like Carriers. <i>ACS Nano</i> , 2017, 11, 3262-3273.	7.3	124
474	Female versus male biological identities of nanoparticles determine the interaction with immune cells in fish. <i>Environmental Science: Nano</i> , 2017, 4, 895-906.	2.2	31
475	Influence of dynamic flow environment on nanoparticle-protein corona: From protein patterns to uptake in cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 153, 263-271.	2.5	86
476	Impact of silica nanoparticle surface chemistry on protein corona formation and consequential interactions with biological cells. <i>Materials Science and Engineering C</i> , 2017, 75, 16-24.	3.8	79
477	From Dose to Response: In Vivo Nanoparticle Processing and Potential Toxicity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 947, 71-100.	0.8	41
478	The Impact of Protein Corona Formation on the Macrophage Cellular Uptake and Biodistribution of Spherical Nucleic Acids. <i>Small</i> , 2017, 13, 1603847.	5.2	86
479	Amino acid-modified chitosan nanoparticles for Cu ²⁺ chelation to suppress CuO nanoparticle cytotoxicity. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3521-3530.	2.9	14
480	Tumor Acidity/NIR Controlled Interaction of Transformable Nanoparticle with Biological Systems for Cancer Therapy. <i>Nano Letters</i> , 2017, 17, 2871-2878.	4.5	111

#	ARTICLE	IF	CITATIONS
481	Interactions of microplastic debris throughout the marine ecosystem. <i>Nature Ecology and Evolution</i> , 2017, 1, 116.	3.4	1,181
482	Toward redesigning the PEG surface of nanocarriers for tumor targeting: impact of inner functionalities on size, charge, multivalent binding, and biodistribution. <i>Chemical Science</i> , 2017, 8, 5186-5195.	3.7	5
483	Surface chemistry of gold nanoparticles determines the biocorona composition impacting cellular uptake, toxicity and gene expression profiles in human endothelial cells. <i>Nanotoxicology</i> , 2017, 11, 507-519.	1.6	102
484	Bioapplications of renal-clearable luminescent metal nanoparticles. <i>Biomaterials Science</i> , 2017, 5, 1393-1406.	2.6	36
485	Biocorona formation on gold nanoparticles modulates human proximal tubule kidney cell uptake, cytotoxicity and gene expression. <i>Toxicology in Vitro</i> , 2017, 42, 150-160.	1.1	50
486	Experimental separation steps influence the protein content of corona around mesoporous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 5769-5772.	2.8	32
487	Influence of Chitosan on the Microstructured Au/CeO ₂ Catalyst: An Enhanced Catalytic Performance for CO Oxidation. <i>Catalysis Letters</i> , 2017, 147, 1322-1332.	1.4	5
488	Dipole Orientation Matters: Longer-Circulating Choline Phosphate than Phosphocholine Liposomes for Enhanced Tumor Targeting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17736-17744.	4.0	32
489	Size-Dependent Regulation of Intracellular Trafficking of Polystyrene Nanoparticle-Based Drug-Delivery Systems. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18619-18625.	4.0	84
490	Cascading Effects of Nanoparticle Coatings: Surface Functionalization Dictates the Assemblage of Complexed Proteins and Subsequent Interaction with Model Cell Membranes. <i>ACS Nano</i> , 2017, 11, 5489-5499.	7.3	57
491	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , 2017, 11, 4606-4616.	7.3	125
492	Affinity study on bovine serum albumin's peptides to amphiphilic gold nanoparticles: A test of epitopes and non-epitopes. <i>Applied Surface Science</i> , 2017, 416, 845-852.	3.1	4
493	Development of DNA Nanostructures for High-Affinity Binding to Human Serum Albumin. <i>Journal of the American Chemical Society</i> , 2017, 139, 7355-7362.	6.6	127
494	Effect of partial PEGylation on particle uptake by macrophages. <i>Nanoscale</i> , 2017, 9, 288-297.	2.8	81
495	Allosteric effects of gold nanoparticles on human serum albumin. <i>Nanoscale</i> , 2017, 9, 380-390.	2.8	50
496	High-Pressure Nebulization as Application Route for the Peritoneal Administration of siRNA Complexes. <i>Macromolecular Bioscience</i> , 2017, 17, 1700024.	2.1	26
497	Impacts of Biofilm Formation on the Fate and Potential Effects of Microplastic in the Aquatic Environment. <i>Environmental Science and Technology Letters</i> , 2017, 4, 258-267.	3.9	881
498	Sensitive Analysis of Protein Adsorption to Colloidal Gold by Differential Centrifugal Sedimentation. <i>Analytical Chemistry</i> , 2017, 89, 6807-6814.	3.2	48

#	ARTICLE	IF	CITATIONS
499	Polymeric nanomicelles: a potential hazard for the cardiovascular system?. <i>Nanomedicine</i> , 2017, 12, 1355-1358.	1.7	6
500	Clinically approved PEGylated nanoparticles are covered by a protein corona that boosts the uptake by cancer cells. <i>Nanoscale</i> , 2017, 9, 10327-10334.	2.8	74
501	Zwitterionic Nanocarrier Surface Chemistry Improves siRNA Tumor Delivery and Silencing Activity Relative to Polyethylene Glycol. <i>ACS Nano</i> , 2017, 11, 5680-5696.	7.3	96
502	NanoEHS beyond toxicity – focusing on biocorona. <i>Environmental Science: Nano</i> , 2017, 4, 1433-1454.	2.2	43
503	Bio-camouflage of anatase nanoparticles explored by in situ high-resolution electron microscopy. <i>Nanoscale</i> , 2017, 9, 10684-10693.	2.8	18
504	Visualization of the protein corona: towards a biomolecular understanding of nanoparticle-cell-interactions. <i>Nanoscale</i> , 2017, 9, 8858-8870.	2.8	203
505	In planta genotoxicity of nZVI: influence of colloidal stability on uptake, DNA damage, oxidative stress and cell death. <i>Mutagenesis</i> , 2017, 32, 371-387.	1.0	50
506	Protein corona and nanoparticles: how can we investigate on?. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1467.	3.3	93
507	Composition Tunable Manganese Ferrite Nanoparticles for Optimized T_2 Contrast Ability. <i>Chemistry of Materials</i> , 2017, 29, 3038-3047.	3.2	88
508	Gold nanoparticles, radiations and the immune system: Current insights into the physical mechanisms and the biological interactions of this new alliance towards cancer therapy. , 2017, 178, 1-17.		59
509	The biocorona: a challenge for the biomedical application of nanoparticles. <i>Nanotechnology Reviews</i> , 2017, 6, 345-353.	2.6	68
510	Basic Principles of In Vivo Distribution, Toxicity, and Degradation of Prospective Inorganic Nanoparticles for Imaging. , 2017, , 9-41.		4
511	Elucidation of the Physicochemical Properties Ruling the Colloidal Stability of Iron Oxide Nanoparticles under Physiological Conditions. <i>ChemNanoMat</i> , 2017, 3, 183-189.	1.5	16
512	Micellar Stability in Biological Media Dictates Internalization in Living Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 16677-16687.	6.6	45
513	Fluorescamine Labeling for Assessment of Protein Conformational Change and Binding Affinity in Protein-Nanoparticle Interaction. <i>Analytical Chemistry</i> , 2017, 89, 12160-12167.	3.2	23
514	CE Separation and ICP-MS Detection of Gold Nanoparticles and Their Protein Conjugates. <i>Chromatographia</i> , 2017, 80, 1695-1700.	0.7	21
515	Synthesis, Functionalization, and Design of Magnetic Nanoparticles for Theranostic Applications. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700306.	3.9	176
516	Concentration-dependent protein adsorption at the nano-bio interfaces of polymeric nanoparticles and serum proteins. <i>Nanomedicine</i> , 2017, 12, 2757-2769.	1.7	43

#	ARTICLE	IF	CITATIONS
517	Chemodynamics and bioavailability of metal ion complexes with nanoparticles in aqueous media. <i>Environmental Science: Nano</i> , 2017, 4, 2108-2133.	2.2	25
518	Neutron Reflectometry Elucidates Protein Adsorption from Human Blood Serum onto PEG Brushes. <i>Langmuir</i> , 2017, 33, 12708-12718.	1.6	9
519	The Protein Corona of PEGylated PGMA-Based Nanoparticles is Preferentially Enriched with Specific Serum Proteins of Varied Biological Function. <i>Langmuir</i> , 2017, 33, 12926-12933.	1.6	16
520	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. <i>Nanoscale</i> , 2017, 9, 17254-17262.	2.8	73
521	Monitoring characteristics and genotoxic effects of engineered nanoparticleâ€“protein corona. <i>Mutagenesis</i> , 2017, 32, 479-490.	1.0	12
522	Biomolecular corona formation: nature and bactericidal impact on surface-modified silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8052-8059.	2.9	13
523	Visualizing the Protein Corona: A Qualitative and Quantitative Approach towards the Nano-bio-interface. <i>Microscopy and Microanalysis</i> , 2017, 23, 1188-1189.	0.2	1
524	Superâ€“Resolution Microscopy Unveils Dynamic Heterogeneities in Nanoparticle Protein Corona. <i>Small</i> , 2017, 13, 1701631.	5.2	109
525	The Effects of Physicochemical Properties of Nanomaterials on Their Cellular Uptake In Vitro and In Vivo. <i>Small</i> , 2017, 13, 1701815.	5.2	48
526	Evaluation of mesoporous silica nanoparticles for oral drug delivery â€“ current status and perspective of MSNs drug carriers. <i>Nanoscale</i> , 2017, 9, 15252-15277.	2.8	177
527	Hyaluronic Acid Coated Chitosan Nanoparticles Reduced the Immunogenicity of the Formed Protein Corona. <i>Scientific Reports</i> , 2017, 7, 10542.	1.6	126
528	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie</i> , 2017, 129, 14680-14685.	1.6	22
529	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14488-14493.	7.2	143
530	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. <i>Chemical Reviews</i> , 2017, 117, 12942-13038.	23.0	258
531	Nanoparticle impact on innate immune cell pattern-recognition receptors and inflammasomes activation. <i>Seminars in Immunology</i> , 2017, 34, 3-24.	2.7	66
532	Protein Corona Analysis of Silver Nanoparticles Links to Their Cellular Effects. <i>Journal of Proteome Research</i> , 2017, 16, 4020-4034.	1.8	34
533	Influence of surface coating on the intracellular behaviour of gold nanoparticles: a fluorescence correlation spectroscopy study. <i>Nanoscale</i> , 2017, 9, 14730-14739.	2.8	30
534	Shear Effects on Stability of DNA Complexes in the Presence of Serum. <i>Biomacromolecules</i> , 2017, 18, 3252-3259.	2.6	6

#	ARTICLE	IF	CITATIONS
535	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. <i>European Biophysics Journal</i> , 2017, 46, 749-771.	1.2	64
536	Application of Metallomics and Metalloproteomics for Understanding the Molecular Mechanisms of Action of Metal-Based Drugs. <i>Molecular and Integrative Toxicology</i> , 2017, , 199-222.	0.5	0
537	Contribution of Kupffer cells to liposome accumulation in the liver. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 356-362.	2.5	78
538	Bio-nano interface and environment: A critical review. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 3181-3193.	2.2	96
539	A comparison of the human and mouse protein corona profiles of functionalized SiO ₂ nanocarriers. <i>Nanoscale</i> , 2017, 9, 13651-13660.	2.8	45
540	Challenges on the toxicological predictions of engineered nanoparticles. <i>NanoImpact</i> , 2017, 8, 59-72.	2.4	55
541	Essential and Non-essential Metals. <i>Molecular and Integrative Toxicology</i> , 2017, , .	0.5	5
542	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	18.7	1,709
543	Adhesion and friction forces in biofouling attachments to nanotube- and PEG- patterned TiO ₂ surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 108-117.	2.5	27
544	Bioinspired "Active" Stealth Magneto-Nanomicelles for Theranostics Combining Efficient MRI and Enhanced Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30502-30509.	4.0	33
545	Molecular Interactions of Protein with TiO ₂ by the AFM-Measured Adhesion Force. <i>Langmuir</i> , 2017, 33, 11626-11634.	1.6	25
546	Electrokinetic Hummel-Dreyer characterization of nanoparticle-plasma protein corona: The non-specific interactions between PEG-modified persistent luminescence nanoparticles and albumin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 437-444.	2.5	18
547	Understanding the Cellular Uptake of pH-Responsive Zwitterionic Gold Nanoparticles: A Computer Simulation Study. <i>Langmuir</i> , 2017, 33, 14480-14489.	1.6	29
548	Nanoparticles Penetrate into the Multicellular Spheroid-on-Chip: Effect of Surface Charge, Protein Corona, and Exterior Flow. <i>Molecular Pharmaceutics</i> , 2017, 14, 4618-4627.	2.3	60
549	Kiwifruit-like Persistent Luminescent Nanoparticles with High-Performance and in Situ Activable Near-Infrared Persistent Luminescence for Long-Term in Vivo Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41181-41187.	4.0	51
550	MRI based on iron oxide nanoparticles contrast agents: effect of oxidation state and architecture. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	38
551	Inorganic nanoparticles as potential regulators of immune response in dendritic cells. <i>Nanomedicine</i> , 2017, 12, 1647-1660.	1.7	37
552	Liposome-Encapsulated NaLnF ₄ Nanoparticles for Mass Cytometry: Evaluating Nonspecific Binding to Cells. <i>Chemistry of Materials</i> , 2017, 29, 4980-4990.	3.2	27

#	ARTICLE	IF	CITATIONS
553	The role of serum proteins in the stabilization of colloidal LnVO ₄ :Eu ³⁺ (Ln = La, Gd, Y) and CeO ₂ nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 594-599.	2.3	14
554	The timeline of corona formation around silica nanocarriers highlights the role of the protein interactome. <i>Nanoscale</i> , 2017, 9, 1840-1851.	2.8	56
555	Cancer nanomedicine: progress, challenges and opportunities. <i>Nature Reviews Cancer</i> , 2017, 17, 20-37.	12.8	4,153
556	Influence of protein adsorption on the cellular uptake of AuNPs conjugated with chiral oligomers. <i>Materials Chemistry Frontiers</i> , 2017, 1, 542-549.	3.2	10
557	Ferritin Protein Regulates the Degradation of Iron Oxide Nanoparticles. <i>Small</i> , 2017, 13, 1602030.	5.2	69
558	Silver nanoparticles: Significance of physicochemical properties and assay interference on the interpretation of in vitro cytotoxicity studies. <i>Toxicology in Vitro</i> , 2017, 38, 179-192.	1.1	182
559	Manipulation of lipoplex concentration at the cell surface boosts transfection efficiency in hard-to-transfect cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 681-691.	1.7	25
560	Hydrothermal synthesis, growth mechanism and down-shifting/upconversion photoluminescence of single crystal NaGd(MoO ₄) ₂ nanocubes doped with Eu ³⁺ , Tb ³⁺ and Yb ³⁺ /Er ³⁺ . <i>Journal of Crystal Growth</i> , 2017, 468, 149-154.	0.7	10
561	Nanomedicine-based intraperitoneal therapy for the treatment of peritoneal carcinomatosis – Mission possible?. <i>Advanced Drug Delivery Reviews</i> , 2017, 108, 13-24.	6.6	76
562	Cell-penetrating peptides recruit type A scavenger receptors to the plasma membrane for cellular delivery of nucleic acids. <i>FASEB Journal</i> , 2017, 31, 975-988.	0.2	30
563	Size-Dependent Protein-Nanoparticle Interactions in Citrate-Stabilized Gold Nanoparticles: The Emergence of the Protein Corona. <i>Bioconjugate Chemistry</i> , 2017, 28, 88-97.	1.8	264
564	A protein corona-enabled blood test for early cancer detection. <i>Nanoscale</i> , 2017, 9, 349-354.	2.8	77
565	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017, 35, 257-264.	4.9	313
566	How protein coronas determine the fate of engineered nanoparticles in biological environment. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2017, 68, 245-253.	0.4	28
567	Toxicity of Nanoparticles on the Reproductive System in Animal Models: A Review. <i>Frontiers in Pharmacology</i> , 2017, 8, 606.	1.6	180
568	The influence of surface charge on serum protein interaction and cellular uptake: studies with dendritic polyglycerols and dendritic polyglycerol-coated gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2001-2019.	3.3	45
569	The species origin of the serum in the culture medium influences the in vitro toxicity of silica nanoparticles to HepG2 cells. <i>PLoS ONE</i> , 2017, 12, e0182906.	1.1	35
570	Enzyme adsorption-induced activity changes: a quantitative study on TiO ₂ model agglomerates. <i>Journal of Nanobiotechnology</i> , 2017, 15, 55.	4.2	14

#	ARTICLE	IF	CITATIONS
571	Optimal drug delivery for intraperitoneal paclitaxel (PTX) in murine model. <i>Pleura and Peritoneum</i> , 2017, 2, 95-102.	0.5	6
572	Evidence of Protein Adsorption in Pegylated Liposomes: Influence of Liposomal Decoration. <i>Nanomaterials</i> , 2017, 7, 37.	1.9	19
573	Comparative Therapeutic Effects of Plant-Extract Synthesized and Traditionally Synthesized Gold Nanoparticles on Alcohol-Induced Inflammatory Activity in SH-SY5Y Cells In Vitro. <i>Biomedicines</i> , 2017, 5, 70.	1.4	12
574	Multifunctional nanostructured biopolymeric materials for therapeutic applications. , 2017, , 107-135.		1
575	Interaction of spin-labeled HPMA-based nanoparticles with human blood plasma proteins – the introduction of protein-corona-free polymer nanomedicine. <i>Nanoscale</i> , 2018, 10, 6194-6204.	2.8	37
576	Peptide-based nanoprobe for molecular imaging and disease diagnostics. <i>Chemical Society Reviews</i> , 2018, 47, 3490-3529.	18.7	127
577	Towards clinical translation of ligand-functionalized liposomes in targeted cancer therapy: Challenges and opportunities. <i>Journal of Controlled Release</i> , 2018, 277, 1-13.	4.8	214
578	Biomolecular Corona Dictates A β Fibrillation Process. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1725-1734.	1.7	23
579	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. <i>ACS Nano</i> , 2018, 12, 4761-4774.	7.3	57
580	Microfluidic Examination of the –Hard–Biomolecular Corona Formed on Engineered Particles in Different Biological Milieu. <i>Biomacromolecules</i> , 2018, 19, 2580-2594.	2.6	31
581	Surface Ligand Chemistry of Gold Nanoclusters Determines Their Antimicrobial Ability. <i>Chemistry of Materials</i> , 2018, 30, 2800-2808.	3.2	115
582	Nanomaterial interactions with biomembranes: Bridging the gap between soft matter models and biological context. <i>Biointerphases</i> , 2018, 13, 028501.	0.6	23
583	Atomistic simulation of the coupled adsorption and unfolding of protein GB1 on the polystyrenes nanoparticle surface. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	2.0	9
584	Surface-Enhanced Raman Spectroscopy for Bioanalysis: Reliability and Challenges. <i>Chemical Reviews</i> , 2018, 118, 4946-4980.	23.0	1,241
585	TiO ₂ nanoparticles induce omphalocele in chicken embryo by disrupting Wnt signaling pathway. <i>Scientific Reports</i> , 2018, 8, 4756.	1.6	15
586	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018, 171, 144-152.	5.7	42
587	Importance of Post-translational Modifications in the Interaction of Proteins with Mineral Surfaces: The Case of Arginine Methylation and Silica surfaces. <i>Langmuir</i> , 2018, 34, 5312-5322.	1.6	4
588	A nano-bio interfacial protein corona on silica nanoparticle. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 220-228.	2.5	29

#	ARTICLE	IF	CITATIONS
589	New Strategies in the Design of Nanomedicines to Oppose Uptake by the Mononuclear Phagocyte System and Enhance Cancer Therapeutic Efficacy. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3333-3340.	1.7	51
590	Relaxivity Enhancement of Ditungstate Gadolinium(III) Complexes Conjugated to Mesoporous Silica Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2363-2368.	1.0	7
591	The interaction of silver nanoparticles with papain and bromelain. <i>New Journal of Chemistry</i> , 2018, 42, 4940-4950.	1.4	12
592	Nanoparticle-Protein Interaction: The Significance and Role of Protein Corona. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 175-198.	0.8	67
593	Cytotoxicity and Physiological Effects of Silver Nanoparticles on Marine Invertebrates. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1048, 285-309.	0.8	19
594	Fabrication of Polymer-Protein Hybrids. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1700737.	2.0	19
595	Influence of surface composition on the colloidal stability of ultra-small detonation nanodiamonds in biological media. <i>Diamond and Related Materials</i> , 2018, 83, 38-45.	1.8	15
596	Characterization of nanomedicines: A reflection on a field under construction needed for clinical translation success. <i>Journal of Controlled Release</i> , 2018, 275, 254-268.	4.8	75
597	Using gold nanoparticles in diagnosis and treatment of melanoma cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 462-471.	1.9	52
598	Superparamagnetic Iron Oxide Nanoparticles Stabilized with Multidentate Block Copolymers for Optimal Vascular Contrast in T1-Weighted Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2018, 1, 894-907.	2.4	28
599	Qualitative and semiquantitative analysis of the protein coronas associated to different functionalized nanoparticles. <i>Nanomedicine</i> , 2018, 13, 407-422.	1.7	11
600	New insight into curcumin tethered lanthanum carbonate nanospheres and protein corona conferring fluorescence enhancement based sensitive detection of Amyloid- β aggregates. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 687-695.	4.0	8
601	MiRNA Extraction from Cell-Free Biofluid Using Protein Corona Formed around Carboxyl Magnetic Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 654-662.	2.6	15
602	Entry of nanoparticles into cells: the importance of nanoparticle properties. <i>Polymer Chemistry</i> , 2018, 9, 259-272.	1.9	294
603	Inter-laboratory comparison of nanoparticle size measurements using dynamic light scattering and differential centrifugal sedimentation. <i>NanoImpact</i> , 2018, 10, 97-107.	2.4	59
604	Effect of Surface Chemistry and Associated Protein Corona on the Long-Term Biodegradation of Iron Oxide Nanoparticles In Vivo. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4548-4560.	4.0	123
605	Binding kinetics of ultrasmall gold nanoparticles with proteins. <i>Nanoscale</i> , 2018, 10, 3235-3244.	2.8	39
606	Gold nanocolloid-protein interactions and their impact on β -sheet amyloid fibril formation. <i>RSC Advances</i> , 2018, 8, 980-986.	1.7	12

#	ARTICLE	IF	CITATIONS
607	Nanomedicine development guided by FRET imaging. <i>Nano Today</i> , 2018, 18, 124-136.	6.2	59
608	Principal component analysis of personalized biomolecular corona data for early disease detection. <i>Nano Today</i> , 2018, 21, 14-17.	6.2	42
609	Stealth Nanoparticles Grafted with Dense Polymer Brushes Display Adsorption of Serum Protein Investigated by Isothermal Titration Calorimetry. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5820-5834.	1.2	36
611	Relevance of protein-protein interactions on the biological identity of nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 330-338.	2.5	16
612	Impact of Site-Specific Conjugation of ScFv to Multifunctional Nanomedicines Using Second Generation Maleimide. <i>Bioconjugate Chemistry</i> , 2018, 29, 1553-1559.	1.8	10
613	Machine learning provides predictive analysis into silver nanoparticle protein corona formation from physicochemical properties. <i>Environmental Science: Nano</i> , 2018, 5, 64-71.	2.2	75
614	Quantitative measurement of nanoparticle uptake by flow cytometry illustrated by an interlaboratory comparison of the uptake of labelled polystyrene nanoparticles. <i>NanoImpact</i> , 2018, 9, 42-50.	2.4	47
615	Impact of anti-biofouling surface coatings on the properties of nanomaterials and their biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 9-24.	2.9	50
616	Molecular dynamics simulation strategies for designing carbon-nanotube-based targeted drug delivery. <i>Drug Discovery Today</i> , 2018, 23, 235-250.	3.2	82
617	Computational approaches to cell-nanomaterial interactions: keeping balance between therapeutic efficiency and cytotoxicity. <i>Nanoscale Horizons</i> , 2018, 3, 6-27.	4.1	44
618	Particle Targeting in Complex Biological Media. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700575.	3.9	94
619	POLY(HYDROXYBUTYRATE-CO-HYDROXYVALERATE) MICRONIZATION BY SOLUTION ENHANCED DISPERSION BY SUPERCRITICAL FLUIDS TECHNIQUE. <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 1275-1282.	0.7	7
620	Biophysical Characterization of Nanoparticle-Protein Interactions by Fluorescence Quenching Titration: Limitations, Pitfalls, and Application of a Model-Free Approach for Data Analysis. <i>Reviews in Fluorescence</i> , 2018, , 53-73.	0.5	4
621	Reviews in Fluorescence 2017. <i>Reviews in Fluorescence</i> , 2018, , .	0.5	7
622	Different binding sites of serum albumins in the protein corona of gold nanoparticles. <i>Analyst</i> , The, 2018, 143, 6061-6068.	1.7	62
623	Assessment of Gold Nanoparticles-Inhibited Cytochrome P450 3A4 Activity and Molecular Mechanisms Underlying Its Cellular Toxicity in Human Hepatocellular Carcinoma Cell Line C3A. <i>Nanoscale Research Letters</i> , 2018, 13, 279.	3.1	11
624	Dynamic Intermolecular Interactions Control Adsorption from Mixtures of Natural Organic Matter and Protein onto Titanium Dioxide Nanoparticles. <i>Environmental Science & Technology</i> , 2018, 52, 14158-14168.	4.6	40
625	A plug and play approach for the decoration of nanoparticles with recombinant proteins. <i>Nanomedicine</i> , 2018, 13, 2547-2550.	1.7	2

#	ARTICLE	IF	CITATIONS
626	Molybdenum-based nanoclusters act as antioxidants and ameliorate acute kidney injury in mice. <i>Nature Communications</i> , 2018, 9, 5421.	5.8	184
627	Assessment of in vitro particle dosimetry models at the single cell and particle level by scanning electron microscopy. <i>Journal of Nanobiotechnology</i> , 2018, 16, 100.	4.2	13
628	Subtle changes in network composition impact the biodistribution and tumor accumulation of nanogels. <i>Chemical Communications</i> , 2018, 54, 11777-11780.	2.2	8
629	Optimization of spider silk sphere formation processing conditions to obtain carriers with controlled characteristics. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 3211-3221.	2.1	14
630	Biodegradable and Renal-Clearable Hollow Porous Iron Oxide Nanoboxes for in Vivo Imaging. <i>Chemistry of Materials</i> , 2018, 30, 7950-7961.	3.2	39
631	INTERACTION OF COPPER OXIDE NANOPARTICLES WITH BOVINE SERUM ALBUMIN BY SPECTROSCOPIC STUDIES. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2018, 10, 35.	0.3	2
632	Gold-carbon nanoparticles mediated delivery of BSA: Remarkable robustness and hemocompatibility. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 351-358.	2.3	25
633	The impact of protein corona on the behavior and targeting capability of nanoparticle-based delivery system. <i>International Journal of Pharmaceutics</i> , 2018, 552, 328-339.	2.6	178
634	Intracameral Delivery of Layer-by-Layer Coated siRNA Nanoparticles for Glaucoma Therapy. <i>Small</i> , 2018, 14, e1803239.	5.2	38
635	Lysosome-Assisted Mitochondrial Targeting Nanoprobe Based on Dye-Modified Upconversion Nanophosphors for Ratiometric Imaging of Mitochondrial Hydrogen Sulfide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39544-39556.	4.0	34
636	Protein Corona Formed from Different Blood Plasma Proteins Affects the Colloidal Stability of Nanoparticles Differently. <i>Bioconjugate Chemistry</i> , 2018, 29, 3923-3934.	1.8	49
637	End Point Versus Backbone Specificity Governs Characteristics of Antibody Binding to Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	2
638	Cloaking nanoparticles with protein corona shield for targeted drug delivery. <i>Nature Communications</i> , 2018, 9, 4548.	5.8	297
639	Silica and carbon decorated silica nanosheet impact on primary human immune cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 779-789.	2.5	4
640	Noble metal nanoparticles with anisotropy in shape and surface functionality for biomedical applications. , 2018, , 313-333.		2
641	Stability of Agarose Film on Glass Slides under Biochemically Relevant Conditions. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1109-1112.	1.0	1
642	How Entanglement of Different Physicochemical Properties Complicates the Prediction of <i>in Vitro</i> and <i>in Vivo</i> Interactions of Gold Nanoparticles. <i>ACS Nano</i> , 2018, 12, 10104-10113.	7.3	113
643	Protein Interactions and Nanomaterials: A Key Role of the Protein Corona in Nanobiocompatibility. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
644	Human serum albumin corona on functionalized gold nanorods modulates doxorubicin loading and release. <i>New Journal of Chemistry</i> , 2018, 42, 16555-16563.	1.4	13
645	Serum protein corona-responsive autophagy tuning in cells. <i>Nanoscale</i> , 2018, 10, 18055-18063.	2.8	30
646	Nanobotany. , 2018, , .		0
647	Nanoformulations of doxorubicin: how far have we come and where do we go from here?. <i>Nanotechnology</i> , 2018, 29, 332002.	1.3	26
648	Protein Capping and Nanoparticles. , 2018, , 103-129.		1
649	Computational Investigations of the Interaction between the Cell Membrane and Nanoparticles Coated with a Pulmonary Surfactant. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20368-20376.	4.0	40
650	Nanomaterialâ€“microbe cross-talk: physicochemical principles and (patho)biological consequences. <i>Chemical Society Reviews</i> , 2018, 47, 5312-5337.	18.7	44
651	Fate of Fluorescence Labelsâ€“Their Adsorption and Desorption Kinetics to Silver Nanoparticles. <i>Langmuir</i> , 2018, 34, 7153-7160.	1.6	4
652	Hydroxyethyl starch stabilized polydopamine nanoparticles for cancer chemotherapy. <i>Chemical Engineering Journal</i> , 2018, 349, 129-145.	6.6	65
653	Profiling the Serum Protein Corona of Fibrillar Human Islet Amyloid Polypeptide. <i>ACS Nano</i> , 2018, 12, 6066-6078.	7.3	39
654	Interaction of Nanoparticles With Biomolecules, Protein, Enzymes, and Its Applications. , 2018, , 253-276.		11
655	Characterization of nanomedicinesâ€™ surface coverage using molecular probes and capillary electrophoresis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 48-58.	2.0	8
656	Green synthesis and characterisation of CuNPs: insights into their potential bioactivity. <i>IET Nanobiotechnology</i> , 2018, 12, 357-364.	1.9	7
657	Development of tungsten bronze nanorods for redox-enhanced photoacoustic imaging-guided photothermal therapy of tumors. <i>RSC Advances</i> , 2018, 8, 26713-26719.	1.7	6
658	Nanoparticleâ€“proteome <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2018, 6, 6026-6041.	2.9	18
659	Microparticles with size/charge selectivity and pH response for SERS monitoring of 6-thioguanine in blood serum. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1539-1547.	4.0	23
660	Cancer nanomedicine: mechanisms, obstacles and strategies. <i>Nanomedicine</i> , 2018, 13, 1639-1656.	1.7	38
661	Comprehensive organic profiling of biological particles derived from blood. <i>Scientific Reports</i> , 2018, 8, 11310.	1.6	6

#	ARTICLE	IF	CITATIONS
662	Protein Corona Mediated Uptake and Cytotoxicity of Silver Nanoparticles in Mouse Embryonic Fibroblast. <i>Small</i> , 2018, 14, e1801219.	5.2	88
663	Magnetite-Gold nanohybrids as ideal all-in-one platforms for theranostics. <i>Scientific Reports</i> , 2018, 8, 11295.	1.6	77
664	Polylysine as a functional biopolymer to couple gold nanorods to tumor-tropic cells. <i>Journal of Nanobiotechnology</i> , 2018, 16, 50.	4.2	22
665	Recent Advances in Toxicology of Gold Nanoparticles. , 2018, , 1-16.		0
666	Isotopically enriched nanoparticles in combination with mass spectrometry for the assessment of nanoparticle-biomolecule stoichiometries in engineered nanoassemblies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 149, 99-106.	1.5	5
667	PEGylated "stealth" nanoparticles and liposomes. , 2018, , 1-26.		17
668	Advanced tools for the safety assessment of nanomaterials. <i>Nature Nanotechnology</i> , 2018, 13, 537-543.	15.6	214
669	Polymer Therapeutics: Biomarkers and New Approaches for Personalized Cancer Treatment. <i>Journal of Personalized Medicine</i> , 2018, 8, 6.	1.1	21
670	Immune Profiling of Polysaccharide Submicron Vesicles. <i>Biomacromolecules</i> , 2018, 19, 3560-3571.	2.6	6
671	Brain Targeting by Liposome "Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. <i>ACS Chemical Neuroscience</i> , 2018, 9, 3166-3174.	1.7	53
672	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. <i>Green Chemistry</i> , 2018, 20, 4133-4168.	4.6	81
673	Surface Modifier Effects on Gold Nanoprobe for the Assay of Matrix Metalloproteinases. <i>Advanced Biology</i> , 2018, 2, 1800115.	3.0	4
674	Unexpected Hard Protein Behavior of BSA on Gold Nanoparticle Caused by Resveratrol. <i>Langmuir</i> , 2018, 34, 8866-8874.	1.6	17
675	Critical review of the safety assessment of titanium dioxide additives in food. <i>Journal of Nanobiotechnology</i> , 2018, 16, 51.	4.2	158
676	Polyglycerols. , 2018, , 103-171.		11
677	Vascular biosafety of commercial hydroxyapatite particles: discrepancy between blood compatibility assays and endothelial cell behavior. <i>Journal of Nanobiotechnology</i> , 2018, 16, 27.	4.2	27
678	Experimental challenges regarding the in vitro investigation of the nanoparticle-biocorona in disease states. <i>Toxicology in Vitro</i> , 2018, 51, 40-49.	1.1	7
679	Altered formation of the iron oxide nanoparticle-biocorona due to individual variability and exercise. <i>Environmental Toxicology and Pharmacology</i> , 2018, 62, 215-226.	2.0	9

#	ARTICLE	IF	CITATIONS
680	Health Concerns of Various Nanoparticles: A Review of Their in Vitro and in Vivo Toxicity. <i>Nanomaterials</i> , 2018, 8, 634.	1.9	210
681	<i>In situ</i> low-immunogenic albumin-conjugating-corona guiding nanoparticles for tumor-targeting chemotherapy. <i>Biomaterials Science</i> , 2018, 6, 2681-2693.	2.6	28
682	The Protein Corona as a Confounding Variable of Nanoparticle-Mediated Targeted Vaccine Delivery. <i>Frontiers in Immunology</i> , 2018, 9, 1760.	2.2	63
683	Formation of a protein corona influences the biological identity of nanomaterials. <i>Reports of Practical Oncology and Radiotherapy</i> , 2018, 23, 300-308.	0.3	60
684	Protein affinity for TiO ₂ and CeO ₂ manufactured nanoparticles. From ultra-pure water to biological media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 425-431.	2.3	18
685	Metallomics. <i>Advances in Experimental Medicine and Biology</i> , 2018, , .	0.8	6
686	Advanced Nuclear and Related Techniques for Metallomics and Nanometallomics. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1055, 213-243.	0.8	4
687	Preservation of the soft protein corona in distinct flow allows identification of weakly bound proteins. <i>Acta Biomaterialia</i> , 2018, 76, 217-224.	4.1	65
688	Chloroquine and nanoparticle drug delivery: A promising combination. , 2018, 191, 43-49.		54
689	Understanding and utilizing the biomolecule/nanosystems interface. , 2018, , 207-297.		19
690	Probing the biological obstacles of nanomedicine with gold nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1542.	3.3	51
691	Insight into the preformed albumin corona on in vitro and in vivo performances of albumin-selective nanoparticles. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 52-62.	4.3	11
692	An exploratory ecotoxicity study of primary microplastics versus aged in natural waters and wastewaters. <i>Environmental Pollution</i> , 2019, 254, 112980.	3.7	56
693	Mechanistic Study of Protein Adsorption on Mesoporous TiO ₂ in Aqueous Buffer Solutions. <i>Langmuir</i> , 2019, 35, 11037-11047.	1.6	8
694	Best practice in reporting corona studies: Minimum information about Nanomaterial Biocorona Experiments (MINBE). <i>Nano Today</i> , 2019, 28, 100758.	6.2	57
695	Nanoparticle Interactions with the Tumor Microenvironment. <i>Bioconjugate Chemistry</i> , 2019, 30, 2247-2263.	1.8	66
696	Impact of magnetic nanoparticle surface coating on their long-term intracellular biodegradation in stem cells. <i>Nanoscale</i> , 2019, 11, 16488-16498.	2.8	43
697	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019, 10, 3686.	5.8	160

#	ARTICLE	IF	CITATIONS
698	Impact of Gold Nanoparticles on Testosterone Metabolism in Human Liver Microsomes. <i>Nanoscale Research Letters</i> , 2019, 14, 205.	3.1	4
699	Understanding the Influence of a Bifunctional Polyethylene Glycol Derivative in Protein Corona Formation around Iron Oxide Nanoparticles. <i>Materials</i> , 2019, 12, 2218.	1.3	23
700	Effect of molecular crowding on the biological identity of liposomes: an overlooked factor at the bio-nano interface. <i>Nanoscale Advances</i> , 2019, 1, 2518-2522.	2.2	17
701	Protein at liquid solid interfaces: Toward a new paradigm to change the approach to design hybrid protein/solid-state materials. <i>Advances in Colloid and Interface Science</i> , 2019, 270, 278-292.	7.0	39
702	CXC Chemokine Receptor 4 Antagonist Functionalized Renal Clearable Manganese-Doped Iron Oxide Nanoparticles for Active-Tumor-Targeting Magnetic Resonance Imaging-Guided Bio-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 3613-3621.	2.3	18
703	Computational Analysis of Nanoparticle Features on Protein Corona Composition in Biological Nanoparticle-Protein Interactions. , 2019, , .		1
704	Preparation and evaluation of etoposide-loaded lipid-based nanosuspensions for high-dose treatment of lymphoma. <i>Nanomedicine</i> , 2019, 14, 1403-1427.	1.7	6
705	Aerosolization of Nanotherapeutics as a Newly Emerging Treatment Regimen for Peritoneal Carcinomatosis. <i>Cancers</i> , 2019, 11, 906.	1.7	18
706	Converting the personalized biomolecular corona of graphene oxide nanoflakes into a high-throughput diagnostic test for early cancer detection. <i>Nanoscale</i> , 2019, 11, 15339-15346.	2.8	42
707	Plasmonic Detection of Glucose in Serum Based on Biocatalytic Shape-Altering of Gold Nanostars. <i>Biosensors</i> , 2019, 9, 83.	2.3	8
708	Functionalization of Liposomes with Hydrophilic Polymers Results in Macrophage Uptake Independent of the Protein Corona. <i>Biomacromolecules</i> , 2019, 20, 2989-2999.	2.6	56
709	Recent Advances in Toxicology of Gold Nanoparticles. , 2019, , 2425-2440.		0
710	On the formation of protein corona on colloidal nanoparticles stabilized by depletant polymers. <i>Materials Science and Engineering C</i> , 2019, 105, 110080.	3.8	13
711	Encapsulating a Single Nanoprobe in a Multifunctional Nanogel for High-Fidelity Imaging of Caspase Activity in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 13633-13638.	3.2	16
712	Biogenic nanoparticles: Synthesis, stability and biocompatibility mediated by proteins of <i>Pseudomonas aeruginosa</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 184, 110517.	2.5	30
713	Hydrothermal Liquefaction of an Animal Carcass for Biocrude Oil. <i>Energy & Fuels</i> , 2019, 33, 11302-11309.	2.5	25
714	Bioaccumulation of polystyrene nanoplastics and their effect on the toxicity of Au ions in zebrafish embryos. <i>Nanoscale</i> , 2019, 11, 3173-3185.	2.8	197
715	Monitoring metal-amyloid- β complexation by a FRET-based probe: design, detection, and inhibitor screening. <i>Chemical Science</i> , 2019, 10, 1000-1007.	3.7	13

#	ARTICLE	IF	CITATIONS
716	<p></p>Co-disposition of chitosan nanoparticles by multi types of hepatic cells and their subsequent biological elimination: the mechanism and kinetic studies at the cellular and animal levels<p></p>. International Journal of Nanomedicine, 2019, Volume 14, 6035-6060.	3.3	17
717	Applications of Spherical Nucleic Acid Nanoparticles as Delivery Systems. Trends in Molecular Medicine, 2019, 25, 1066-1079.	3.5	58
718	Polymeric siRNA gene delivery \hat{e} transfection efficiency versus cytotoxicity. Journal of Controlled Release, 2019, 316, 263-291.	4.8	58
719	Shielding of Hepatitis B Virus-Like Nanoparticle with Poly(2-Ethyl-2-Oxazoline). International Journal of Molecular Sciences, 2019, 20, 4903.	1.8	4
720	In Vivo Retargeting of Poly(beta aminoester) (OM&PBAE) Nanoparticles is Influenced by Protein Corona. Advanced Healthcare Materials, 2019, 8, e1900849.	3.9	33
721	The Effects of Low-Dose Irradiation on Human Saliva: A Surface-Enhanced Raman Spectroscopy Study. Diagnostics, 2019, 9, 101.	1.3	17
722	Synthetic and biological identities of polymeric nanoparticles influencing the cellular delivery: An immunological link. Journal of Colloid and Interface Science, 2019, 556, 476-491.	5.0	18
723	Development of a Gold Nanoparticle Vaccine against Enterohemorrhagic Escherichia coli O157:H7. MBio, 2019, 10, .	1.8	42
724	Proteomic profile of the hard corona of charged polystyrene nanoparticles exposed to sea urchin <i>Paracentrotus lividus</i> coelomic fluid highlights potential drivers of toxicity. Environmental Science: Nano, 2019, 6, 2937-2947.	2.2	24
725	Evaluation of immunologic and intestinal effects in rats administered an E 171-containing diet, a food grade titanium dioxide (TiO2). Food and Chemical Toxicology, 2019, 133, 110793.	1.8	38
726	Corona Composition Can Affect the Mechanisms Cells Use to Internalize Nanoparticles. ACS Nano, 2019, 13, 11107-11121.	7.3	205
727	A protein corona primer for physical chemists. Journal of Chemical Physics, 2019, 151, 130901.	1.2	23
728	<p></p>Amphiphilic nanogels: influence of surface hydrophobicity on protein corona, biocompatibility and cellular uptake<p></p>. International Journal of Nanomedicine, 2019, Volume 14, 7861-7878.	3.3	37
729	The Lord of the Lungs: The essential role of pulmonary surfactant upon inhalation of nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 230-243.	2.0	78
730	Tailoring the component of protein corona via simple chemistry. Nature Communications, 2019, 10, 4520.	5.8	142
731	Confining Iron Oxide Nanocubes inside Submicrometric Cavities as a Key Strategy To Preserve Magnetic Heat Losses in an Intracellular Environment. ACS Applied Materials & Interfaces, 2019, 11, 41957-41971.	4.0	44
732	Plasmonic Microneedle Arrays for in Situ Sensing with Surface-Enhanced Raman Spectroscopy (SERS). Nano Letters, 2019, 19, 6862-6868.	4.5	83
733	A safe-by-design tool for functionalised nanomaterials through the Enalos Nanoinformatics Cloud platform. Nanoscale Advances, 2019, 1, 706-718.	2.2	33

#	ARTICLE	IF	CITATIONS
734	A non-sacrificial method for the quantification of poly(ethylene glycol) grafting density on gold nanoparticles for applications in nanomedicine. <i>Chemical Science</i> , 2019, 10, 2067-2074.	3.7	37
735	Interaction of functionalized nanoparticles with serum proteins and its impact on colloidal stability and cargo leaching. <i>Soft Matter</i> , 2019, 15, 709-720.	1.2	61
736	Bimetallic gold nanorods with enhanced biocorona formation for doxorubicin loading and sustained release. <i>Biomaterials Science</i> , 2019, 7, 63-75.	2.6	19
737	Graphene oxide touches blood: <i>in vivo</i> interactions of bio-coronated 2D materials. <i>Nanoscale Horizons</i> , 2019, 4, 273-290.	4.1	97
738	Nanoparticles and Biological Environment Interactions. <i>Advanced Structured Materials</i> , 2019, , 1-17.	0.3	1
739	Role of Ligand Conformation on Nanoparticle-Protein Interactions. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1764-1769.	1.2	23
740	A protein corona study by scattering correlation spectroscopy: a comparative study between spherical and urchin-shaped gold nanoparticles. <i>Nanoscale</i> , 2019, 11, 3665-3673.	2.8	26
741	Systemic Bioequivalence Is Unlikely to Equal Target Site Bioequivalence for Nanotechnology Oncologic Products. <i>AAPS Journal</i> , 2019, 21, 24.	2.2	4
742	Protein Corona Fingerprints of Liposomes: New Opportunities for Targeted Drug Delivery and Early Detection in Pancreatic Cancer. <i>Pharmaceutics</i> , 2019, 11, 31.	2.0	39
743	Rational Design of Cancer Nanomedicine for Simultaneous Stealth Surface and Enhanced Cellular Uptake. <i>ACS Nano</i> , 2019, 13, 954-977.	7.3	156
744	Stealth Iron Oxide Nanoparticles for Organotropic Drug Targeting. <i>Biomacromolecules</i> , 2019, 20, 1375-1384.	2.6	28
745	Sensitive Contrast-Enhanced Magnetic Resonance Imaging of Orthotopic and Metastatic Hepatic Tumors by Ultralow Doses of Zinc Ferrite Octapods. <i>Chemistry of Materials</i> , 2019, 31, 1381-1390.	3.2	23
746	A high linoleic acid diet exacerbates metabolic responses and gut microbiota dysbiosis in obese rats with diabetes mellitus. <i>Food and Function</i> , 2019, 10, 786-798.	2.1	41
747	Viral nanoparticles can elude protein barriers: exploiting rather than imitating nature. <i>Nanoscale</i> , 2019, 11, 2306-2316.	2.8	18
748	Plasmonic Heating of Nanostructures. <i>Chemical Reviews</i> , 2019, 119, 8087-8130.	23.0	355
749	Protein deglycosylation can drastically affect the cellular uptake. <i>Nanoscale</i> , 2019, 11, 10727-10737.	2.8	17
750	Emerging investigator series: protein adsorption and transformation on catalytic and food-grade TiO ₂ nanoparticles in the presence of dissolved organic carbon. <i>Environmental Science: Nano</i> , 2019, 6, 1688-1703.	2.2	14
751	Drug Targeting Strategies Based on Charge Dependent Uptake of Nanoparticles into Cancer Cells. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2019, 22, 191-220.	0.9	43

#	ARTICLE	IF	CITATIONS
752	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. <i>Nano Letters</i> , 2019, 19, 4692-4701.	4.5	87
753	Design of Small Nanoparticles Decorated with Amphiphilic Ligands: Self-Preservation Effect and Translocation into a Plasma Membrane. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23822-23831.	4.0	29
754	Supervised Learning and Mass Spectrometry Predicts the <i>in Vivo</i> Fate of Nanomaterials. <i>ACS Nano</i> , 2019, 13, 8023-8034.	7.3	109
755	Safety Assessment of Nanomaterials to Eyes: An Important but Neglected Issue. <i>Advanced Science</i> , 2019, 6, 1802289.	5.6	86
756	The biomolecular corona of gold nanoparticles in a controlled microfluidic environment. <i>Lab on A Chip</i> , 2019, 19, 2557-2567.	3.1	40
757	Comparative analysis of honey and citrate stabilized gold nanoparticles: In vitro interaction with proteins and toxicity studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111519.	1.7	38
758	Surface Modifications of Biomaterials and Their Implication on Biocompatibility. , 2019, , 639-674.		6
759	Upconversion nano-particles from synthesis to cancer treatment: A review. <i>Advanced Powder Technology</i> , 2019, 30, 1731-1753.	2.0	27
760	Importance of Choosing Relevant Biological End Points To Predict Nanoparticle Toxicity with Computational Approaches for Human Health Risk Assessment. <i>Chemical Research in Toxicology</i> , 2019, 32, 1320-1326.	1.7	27
761	The Nano-Bio Interactions of Nanomedicines: Understanding the Biochemical Driving Forces and Redox Reactions. <i>Accounts of Chemical Research</i> , 2019, 52, 1507-1518.	7.6	211
762	Surface chemistry of gold nanoparticles determines interactions with bovine serum albumin. <i>Materials Science and Engineering C</i> , 2019, 103, 109856.	3.8	39
763	Multidimensional Characterization of Mixed Ligand Nanoparticles Using Small Angle Neutron Scattering. <i>Chemistry of Materials</i> , 2019, 31, 6750-6758.	3.2	12
764	Versatile functionalization of polymer nanoparticles with carbonate groups <i>via</i> hydroxyurethane linkages. <i>Polymer Chemistry</i> , 2019, 10, 3571-3584.	1.9	41
765	AFM Study of pH-Dependent Adhesion of Single Protein to TiO ₂ Surface. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900411.	1.9	19
766	A colorimetric sensor array for protein discrimination based on carbon nanodots-induced reversible aggregation of AuNP with GSH as a regulator. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126677.	4.0	18
767	Serum type and concentration both affect the protein-corona composition of PLGA nanoparticles. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1002-1015.	1.5	79
768	Fluorescent and mass spectrometric evaluation of the phagocytic internalization of a CD47-peptide modified drug-nanocarrier. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4193-4202.	1.9	6
769	Long-term stability and salt-responsive behavior of polyzwitterionic brushes with cross-linked structure. <i>Progress in Organic Coatings</i> , 2019, 134, 153-161.	1.9	22

#	ARTICLE	IF	CITATIONS
770	Effect of nanoparticle size and PEGylation on the protein corona of PLGA nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 70-80.	2.0	99
771	Formation of a Monolayer Protein Corona around Polystyrene Nanoparticles and Implications for Nanoparticle Agglomeration. <i>Small</i> , 2019, 15, e1900974.	5.2	54
772	Biological Responses to Nanoscale Particles. <i>Nanoscience and Technology</i> , 2019, , .	1.5	9
773	Highly Luminescent Thermoresponsive Green Emitting Gold Nanoclusters for Intracellular Nanothermometry and Cellular Imaging: A Dual Function Optical Probe. <i>ACS Applied Bio Materials</i> , 2019, 2, 2078-2091.	2.3	28
774	Link between Low-Fouling and Stealth: A Whole Blood Biomolecular Corona and Cellular Association Analysis on Nanoengineered Particles. <i>ACS Nano</i> , 2019, 13, 4980-4991.	7.3	53
775	Dendrimer for Templating the Growth of Porous Catechol-Coordinated Titanium Dioxide Frameworks: Toward Hemocompatible Nanomaterials. <i>ACS Applied Nano Materials</i> , 2019, 2, 2979-2990.	2.4	18
776	Multichannel AC Biosusceptometry System to Map Biodistribution and Assess the Pharmacokinetic Profile of Magnetic Nanoparticles by Imaging. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 456-462.	2.2	15
777	Nanocarriers and Immune Cells. <i>Nanoscience and Technology</i> , 2019, , 255-279.	1.5	1
778	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2019, 143, 68-96.	6.6	561
779	Reprogramming of cancer invasiveness and macrophage education via a nanostructured antagonist of the TGF β 2 receptor. <i>Materials Horizons</i> , 2019, 6, 1675-1681.	6.4	15
780	Drug-coated nanoparticles: the magic bullets for threatening diseases, with special reference to tuberculosis. , 2019, , 41-85.		0
781	Möglichkeiten und Limitierungen verschiedener Trenntechniken zur Analyse der Proteinkorona. <i>Angewandte Chemie</i> , 2019, 131, 12918-12925.	1.6	4
782	Characterizing the protein corona of sub-100 nm nanoparticles. <i>Journal of Controlled Release</i> , 2019, 304, 102-110.	4.8	38
783	Cationic gold nanoparticles elicit mitochondrial dysfunction: a multi-omics study. <i>Scientific Reports</i> , 2019, 9, 4366.	1.6	54
784	Cyclodextrin-Polypyrrole Coatings of Scaffolds for Tissue Engineering. <i>Polymers</i> , 2019, 11, 459.	2.0	9
785	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie</i> , 2019, 131, 4156-4172.	1.6	10
786	Interaction of graphene oxide with cell culture medium: Evaluating the fetal bovine serum protein corona formation towards in vitro nanotoxicity assessment and nanobiointeractions. <i>Materials Science and Engineering C</i> , 2019, 100, 363-377.	3.8	52
787	Biopolymer nanoparticle surface chemistry dictates the nature and extent of protein hard corona. <i>Journal of Molecular Liquids</i> , 2019, 282, 169-176.	2.3	8

#	ARTICLE	IF	CITATIONS
788	Effect of Hydroxyapatite Surface on BMP-2 Biological Properties by Docking and Molecular Simulation Approaches. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3372-3382.	1.2	22
789	Green Synthesis of Zwitterion-Functionalized Nano-Octahedral Ceria for Enhanced Intracellular Delivery and Cancer Therapy. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9189-9201.	3.2	13
790	Target Site Delivery and Residence of Nanomedicines: Application of Quantitative Systems Pharmacology. <i>Pharmacological Reviews</i> , 2019, 71, 157-169.	7.1	22
791	Nanodiamonds for advanced optical bioimaging and beyond. <i>Current Opinion in Colloid and Interface Science</i> , 2019, 39, 220-231.	3.4	43
792	<p>Plasma protein adsorption on Fe<sub>3</sub>O<sub>4</sub>-PEG nanoparticles activates the complement system and induces an inflammatory response</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2055-2067.	3.3	32
793	The effect of salts in aqueous media on the formation of the BSA corona on SiO ₂ nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 374-381.	2.5	21
794	Intracellular dynamics of superparamagnetic iron oxide nanoparticles for magnetic particle imaging. <i>Nanoscale</i> , 2019, 11, 7771-7780.	2.8	39
795	Possibilities and Limitations of Different Separation Techniques for the Analysis of the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12787-12794.	7.2	64
796	A computational avenue towards understanding and design of zwitterionic anti-biofouling materials. <i>Molecular Simulation</i> , 2019, 45, 1211-1222.	0.9	11
797	Protein corona variation in nanoparticles revisited: A dynamic grouping strategy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 179, 505-516.	2.5	14
798	Protein corona formed on silver nanoparticles in blood plasma is highly selective and resistant to physicochemical changes of the solution. <i>Environmental Science: Nano</i> , 2019, 6, 1089-1098.	2.2	52
799	Renal Clearable Luminescent Gold Nanoparticles: From the Bench to the Clinic. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4112-4128.	7.2	104
800	Formation of Protein Corona on Nanoparticles with Digestive Enzymes in Simulated Gastrointestinal Fluids. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2296-2306.	2.4	56
801	Blood Circulation-Prolonging Peptides for Engineered Nanoparticles Identified via Phage Display. <i>Nano Letters</i> , 2019, 19, 1467-1478.	4.5	31
802	Molecular interaction of fibrinogen with zeolite nanoparticles. <i>Scientific Reports</i> , 2019, 9, 1558.	1.6	21
803	Nanoparticles and hyperthermia. , 2019, , 63-90.		2
804	Inorganic and organic"inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
805	Nanoparticles and organized lipid assemblies: from interaction to design of hybrid soft devices. <i>Soft Matter</i> , 2019, 15, 8951-8970.	1.2	32

#	ARTICLE	IF	CITATIONS
806	<i>In vivo</i> comparison of the biodistribution and long-term fate of colloids – gold nanoprisms and nanorods – with minimum surface modification. <i>Nanomedicine</i> , 2019, 14, 3035-3055.	1.7	11
807	Molecular Modeling for Nanomaterial–Biology Interactions: Opportunities, Challenges, and Perspectives. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 268.	2.0	55
808	Influence of serum concentration and surface functionalization on the protein adsorption to mesoporous silica nanoparticles. <i>RSC Advances</i> , 2019, 9, 33912-33921.	1.7	20
809	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. <i>Nano Research</i> , 2019, 12, 129-135.	5.8	20
810	Anti-inflammatory mechanism of various metal and metal oxide nanoparticles synthesized using plant extracts: A review. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 2561-2572.	2.5	195
811	In Situ Characterization of Protein Corona Formation on Silica Microparticles Using Confocal Laser Scanning Microscopy Combined with Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2459-2469.	4.0	51
812	Understanding structure-activity relationships of pH-sensitive cationic lipids facilitates the rational identification of promising lipid nanoparticles for delivering siRNAs in vivo. <i>Journal of Controlled Release</i> , 2019, 295, 140-152.	4.8	104
813	Small Surface, Big Effects, and Big Challenges: Toward Understanding Enzymatic Activity at the Inorganic Nanoparticle–Substrate Interface. <i>Langmuir</i> , 2019, 35, 7067-7091.	1.6	39
814	Determination of the small amount of proteins interacting with TiO ₂ nanotubes by AFM-measurement. <i>Biomaterials</i> , 2019, 192, 368-376.	5.7	19
815	Aggregation effects on the magnetic properties of iron oxide colloids. <i>Nanotechnology</i> , 2019, 30, 112001.	1.3	131
816	Nanomaterials for Intracellular pH Sensing and Imaging. , 2019, , 241-273.		8
817	Profiling of nanoparticle–protein interactions by electrophoresis techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 79-96.	1.9	22
818	Synthesis of Patient-Specific Nanomaterials. <i>Nano Letters</i> , 2019, 19, 116-123.	4.5	40
819	Nanoparticle–biomolecular corona: A new approach for the early detection of non–small–cell lung cancer. <i>Journal of Cellular Physiology</i> , 2019, 234, 9378-9386.	2.0	22
820	Surface–Active Fluorinated Quantum Dots for Enhanced Cellular Uptake. <i>Chemistry - A European Journal</i> , 2019, 25, 195-199.	1.7	10
821	Toxicity evaluation of magnetic iron oxide nanoparticles reveals neuronal loss in chicken embryo. <i>Drug and Chemical Toxicology</i> , 2019, 42, 1-8.	1.2	36
822	In situ apolipoprotein E-enriched corona guides dihydroartemisinin-decorating nanoparticles towards LDLr-mediated tumor-homing chemotherapy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2020, 15, 482-491.	4.3	21
823	The structural fate of lipid nanoparticles in the extracellular matrix. <i>Materials Horizons</i> , 2020, 7, 125-134.	6.4	17

#	ARTICLE	IF	CITATIONS
824	Recent pros and cons of nanomaterials in drug delivery systems. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 1090-1100.	1.8	3
825	Identifying Metal Nanoparticle Size Effect on Sensing Common Human Plasma Protein by Counting the Sensitivity of Optical Absorption Spectra Damping. Plasmonics, 2020, 15, 123-133.	1.8	17
826	Potential clinical applications of the personalized, disease-specific protein corona on nanoparticles. Clinica Chimica Acta, 2020, 501, 102-111.	0.5	26
827	Influence of Structured Water Layers on Protein Adsorption Process: A Case Study of Cytochrome <i>c</i> and Carbon Nanotube Interactions and Its Implications. Journal of Physical Chemistry B, 2020, 124, 684-694.	1.2	12
828	Isolation methods for particle protein corona complexes from protein-rich matrices. Nanoscale Advances, 2020, 2, 563-582.	2.2	51
829	Controlling protein interactions in blood for effective liver immunosuppressive therapy by silica nanocapsules. Nanoscale, 2020, 12, 2626-2637.	2.8	26
830	Emerging well-tailored nanoparticulate delivery system based on in situ regulation of the protein corona. Journal of Controlled Release, 2020, 320, 1-18.	4.8	38
831	Zwitterionic Stealth Dye-Loaded Polymer Nanoparticles for Intracellular Imaging. ACS Applied Materials & Interfaces, 2020, 12, 117-125.	4.0	18
832	Morphology formation mechanism and fluorescence properties of nano-phosphor YPO ₄ :Sm ³⁺ excited by near-ultraviolet light. Journal of Alloys and Compounds, 2020, 821, 153535.	2.8	18
833	Cancer-Targeted Nanomedicine: Overcoming the Barrier of the Protein Corona. Advanced Therapeutics, 2020, 3, 1900124.	1.6	77
834	Mild Innate Immune Activation Overrides Efficient Nanoparticle-Mediated RNA Delivery. Advanced Materials, 2020, 32, e1904905.	11.1	84
835	New fluorescent-labelled nanoparticles: synthesis, characterization and interactions with cysteine and homocysteine to evaluate their stability in aqueous solution. Applied Nanoscience (Switzerland), 2020, 10, 1157-1172.	1.6	2
836	Cellular Uptake of Gold Nanoparticles and Their Movement in 3D Multicellular Tumor Spheroids: Effect of Molecular Weight and Grafting Density of Poly(2-hydroxyl ethyl acrylate). Macromolecular Bioscience, 2020, 20, e1900221.	2.1	19
837	The interaction between nanoparticles-protein corona complex and cells and its toxic effect on cells. Chemosphere, 2020, 245, 125624.	4.2	94
838	The Complexity of the Homeopathic Healing Response Part 2: The Role of the Homeopathic Simillimum as a Complex System in Initiating Recovery from Disease. Homeopathy, 2020, 109, 051-064.	0.5	7
839	Biocorona-induced modifications in engineered nanomaterial-cellular interactions impacting biomedical applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1608.	3.3	9
840	Nanoparticle behavior and stability in biological environments. , 2020, , 5-18.		7
841	Passive targeting in nanomedicine: fundamental concepts, body interactions, and clinical potential. , 2020, , 37-53.		39

#	ARTICLE	IF	CITATIONS
842	Effect of particle functionalization and solution properties on the adsorption of bovine serum albumin and lysozyme onto silica nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110677.	2.5	24
843	Nanoparticle-enabled blood tests for early detection of pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , 2020, 470, 191-196.	3.2	30
844	Protein corona: Dr. Jekyll and Mr. Hyde of nanomedicine. <i>Biotechnology and Applied Biochemistry</i> , 2020, , .	1.4	8
845	Mutual effects of protein corona formation on CdTe quantum dots. <i>Analytical Biochemistry</i> , 2020, 610, 113983.	1.1	11
846	Protein Nanoparticle Charge and Hydrophobicity Govern Protein Corona and Macrophage Uptake. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48284-48295.	4.0	85
847	DNA-nanoparticle interactions: Formation of a DNA corona and its effects on a protein corona. <i>Biointerphases</i> , 2020, 15, 051006.	0.6	17
848	Functionalized PLGA nanoparticles prepared by nano-emulsion templating interact selectively with proteins involved in the transport through the blood-brain barrier. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 156, 155-164.	2.0	20
849	Analyzing the mechanisms of iron oxide nanoparticles interactions with cells: A road from failure to success in clinical applications. <i>Journal of Controlled Release</i> , 2020, 328, 59-77.	4.8	72
850	Barriers and Strategies of Cationic Liposomes for Cancer Gene Therapy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 751-764.	1.8	115
851	Interaction of fibrinogen-magnetic nanoparticle bioconjugates with integrin reconstituted into artificial membranes. <i>Nanoscale</i> , 2020, 12, 19918-19930.	2.8	9
852	From Octahedron Crystals to 2D Silicon Nanosheets: Facet-selective Cleavage and Biophotonic Applications. <i>Small</i> , 2020, 16, e2003594.	5.2	11
853	Understanding the Factors Influencing Chitosan-Based Nanoparticles-Protein Corona Interaction and Drug Delivery Applications. <i>Molecules</i> , 2020, 25, 4758.	1.7	41
854	Multiparametric Profiling of Engineered Nanomaterials: Unmasking the Surface Coating Effect. <i>Advanced Science</i> , 2020, 7, 2002221.	5.6	24
855	Biom mineralization: An Opportunity and Challenge of Nanoparticle Drug Delivery Systems for Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001117.	3.9	45
856	Carbon nanotubes and their polymeric composites: the applications in tissue engineering. <i>Biomanufacturing Reviews</i> , 2020, 5, 1.	4.8	51
857	Proteomic exploration of soft and hard biocorona onto PEGylated multiwalled carbon nanotubes. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 1003-1013.	1.4	6
858	Comparison of Methods for Surface Modification of Barium Titanate Nanoparticles for Aqueous Dispersibility: Toward Biomedical Utilization of Perovskite Oxides. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51135-51147.	4.0	15
859	Light-triggered switching of liposome surface charge directs delivery of membrane impermeable payloads in vivo. <i>Nature Communications</i> , 2020, 11, 3638.	5.8	62

#	ARTICLE	IF	CITATIONS
860	Rapid, deep and precise profiling of the plasma proteome with multi-nanoparticle protein corona. <i>Nature Communications</i> , 2020, 11, 3662.	5.8	175
861	Assembly-Controlled Magnetic Nanoparticle Clusters as MRI Contrast Agents. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2533-2542.	2.6	28
862	Waterâ€™Nanomaterial Interaction to Escalate Twin-Mode Magnetic Resonance Imaging. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4377-4389.	2.6	27
863	The influence of shape and charge on protein corona composition in common gold nanostructures. <i>Materials Science and Engineering C</i> , 2020, 117, 111270.	3.8	29
864	Interfacial engineering of gold nanoclusters for biomedical applications. <i>Materials Horizons</i> , 2020, 7, 2596-2618.	6.4	91
865	Vaccines based on virus-like nano-particles for use against Middle East Respiratory Syndrome (MERS) coronavirus. <i>Vaccine</i> , 2020, 38, 5742-5746.	1.7	13
866	Mechanistic Understanding From Molecular Dynamics Simulation in Pharmaceutical Research 1: Drug Delivery. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 604770.	1.6	54
867	Synthetic and biological identities of layered double hydroxides nanocarriers functionalized with risedronate. <i>Applied Clay Science</i> , 2020, 199, 105880.	2.6	6
868	Transformation and Cytotoxicity of Surface-Modified Silver Nanoparticles Undergoing Long-Term Aging. <i>Nanomaterials</i> , 2020, 10, 2255.	1.9	10
869	Stable near-infrared photoluminescence from silicon quantum dotâ€™bovine serum albumin composites. <i>MRS Communications</i> , 2020, 10, 680-686.	0.8	3
870	Nanoproteomics enables proteoform-resolved analysis of low-abundance proteins in human serum. <i>Nature Communications</i> , 2020, 11, 3903.	5.8	43
871	Role of carboxylic group pattern on protein surface in the recognition of iron oxide nanoparticles: A key for protein corona formation. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1715-1728.	3.6	17
872	The Biomolecular Corona of Lipid Nanoparticles for Gene Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 2046-2059.	1.8	120
873	Gold nanoparticles disrupt actin organization and pulmonary endothelial barriers. <i>Scientific Reports</i> , 2020, 10, 13320.	1.6	8
874	A protein corona sensor array detects breast and prostate cancers. <i>Nanoscale</i> , 2020, 12, 16697-16704.	2.8	17
875	Equilibrium binding of isolated and in-plasma high-density lipoproteins (HDLs) to polystyrene nanoparticles. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	4
876	Amyloidosis inhibition, a new frontier of the protein corona. <i>Nano Today</i> , 2020, 35, 100937.	6.2	32
877	<p>Hydroxyapatite Particles Induced Modulation of Collagen Expression and Secretion in Primary Human Dermal Fibroblasts</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4943-4956.	3.3	12

#	ARTICLE	IF	CITATIONS
878	The type of dietary nanoparticles influences salivary protein corona composition. <i>NanoImpact</i> , 2020, 19, 100238.	2.4	10
879	Considerations for using optical clearing techniques for 3D imaging of nanoparticle biodistribution. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119739.	2.6	3
880	Comparison of the uptake mechanisms of zwitterionic and negatively charged liposomes by HeLa cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 30, 102300.	1.7	21
881	Impact of Protein Corona on Noncovalent Molecule-Gold Nanoparticle-Based Sensing. <i>Analytical Chemistry</i> , 2020, 92, 14990-14998.	3.2	7
882	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. <i>ACS Nano</i> , 2020, 14, 15723-15737.	7.3	55
883	4D Multimodal Nanomedicines Made of Nonequilibrium Au-Fe Alloy Nanoparticles. <i>ACS Nano</i> , 2020, 14, 12840-12853.	7.3	53
884	Mechanisms of nanotoxicity - biomolecule coronas protect pathological fungi against nanoparticle-based eradication. <i>Nanotoxicology</i> , 2020, 14, 1157-1174.	1.6	8
885	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. <i>ACS Nano</i> , 2020, 14, 11950-11961.	7.3	39
886	Formation of a Highly Stable and Nontoxic Protein Corona upon Interaction of Human α -1-Acid Glycoprotein (AGP) with Citrate-Stabilized Silver Nanoparticles. <i>Langmuir</i> , 2020, 36, 10321-10330.	1.6	18
887	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. <i>ACS Nano</i> , 2020, 14, 13739-13753.	7.3	30
888	Protein-Coated Aryl Modified Gold Nanoparticles for Cellular Uptake Study by Osteosarcoma Cancer Cells. <i>Langmuir</i> , 2020, 36, 11765-11775.	1.6	26
889	Quantitative Protein Corona Composition and Dynamics on Carbon Nanotubes in Biological Environments. <i>Angewandte Chemie</i> , 2020, 132, 23876-23885.	1.6	16
890	Quantitative Protein Corona Composition and Dynamics on Carbon Nanotubes in Biological Environments. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23668-23677.	7.2	78
891	Safety assessment of a newly synthesized copolymer for micellar delivery of hydrophobic caffeic acid phenethyl ester. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 1271-1280.	1.1	3
892	Systematic spectroscopic investigation of structural changes and corona formation of bovine serum albumin over magneto-fluorescent nanoparticles. <i>Dalton Transactions</i> , 2020, 49, 12380-12389.	1.6	8
893	Light-Activated Liposomes Coated with Hyaluronic Acid as a Potential Drug Delivery System. <i>Pharmaceutics</i> , 2020, 12, 763.	2.0	29
894	Thinking outside the shell: novel sensors designed from plasmon-enhanced fluorescent concentric nanoparticles. <i>Analyst</i> , 2020, 145, 5965-5980.	1.7	10
895	A Systematic Comparative Study of the Toxicity of Semiconductor and Graphitic Carbon-Based Quantum Dots Using In Vitro Cell Models. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8845.	1.3	5

#	ARTICLE	IF	CITATIONS
896	Theoretical and Experimental Optimization of the Graft Density of Functionalized Anti-Biofouling Surfaces by Cationic Brushes. <i>Membranes</i> , 2020, 10, 431.	1.4	2
897	Boosting nanotoxicity to combat multidrug-resistant bacteria in pathophysiological environments. <i>Nanoscale Advances</i> , 2020, 2, 5428-5440.	2.2	9
898	Influence of the physicochemical features of TiO ₂ nanoparticles on the formation of a protein corona and impact on cytotoxicity. <i>RSC Advances</i> , 2020, 10, 43950-43959.	1.7	8
899	Preparation and characterization of lipid emulsions containing styrene maleic acid copolymer for the development of pH-responsive drug carriers. <i>Chemistry and Physics of Lipids</i> , 2020, 232, 104954.	1.5	3
900	How Can Nanoplastics Affect the Survival, Reproduction, and Behaviour of the Soil Model <i>Enchytraeus crypticus</i> ?. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7674.	1.3	5
901	Understanding the synergistic effect of physicochemical properties of nanoparticles and their cellular entry pathways. <i>Communications Biology</i> , 2020, 3, 205.	2.0	57
902	Tissue Specific Fate of Nanomaterials by Advanced Analytical Imaging Techniques - A Review. <i>Chemical Research in Toxicology</i> , 2020, 33, 1145-1162.	1.7	18
903	Polyglycerol Grafting Shields Nanoparticles from Protein Corona Formation to Avoid Macrophage Uptake. <i>ACS Nano</i> , 2020, 14, 7216-7226.	7.3	100
904	Pay Attention to Biological Nanoparticles when Studying the Protein Corona on Nanomedicines. <i>Angewandte Chemie</i> , 2020, 132, 12684-12688.	1.6	4
905	Targeted hyperthermia with plasmonic nanoparticles. <i>Frontiers of Nanoscience</i> , 2020, 16, 307-352.	0.3	8
906	Heroes or Villains? How Nontraditional Luminescent Materials Do and Do Not Enhance Bioanalysis and Imaging. <i>Chemistry of Materials</i> , 2020, 32, 4863-4883.	3.2	12
907	Factors Influencing the Delivery Efficiency of Cancer Nanomedicines. <i>AAPS PharmSciTech</i> , 2020, 21, 132.	1.5	7
908	Molecular Mechanisms, Characterization Methods, and Utilities of Nanoparticle Biotransformation in Nanosafety Assessments. <i>Small</i> , 2020, 16, e1907663.	5.2	58
909	Understanding how natural sequence variation in serum albumin proteins affects conformational stability and protein adsorption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111194.	2.5	17
910	Interaction with Human Serum Proteins Reveals Biocompatibility of Phosphocholine-Functionalized SPIONs and Formation of Albumin-Decorated Nanoparticles. <i>Langmuir</i> , 2020, 36, 8777-8791.	1.6	11
911	Protein Corona-Enabled Systemic Delivery and Targeting of Nanoparticles. <i>AAPS Journal</i> , 2020, 22, 83.	2.2	43
912	Tuning the Physicochemical Characteristics of Particle-Based Carriers for Intraperitoneal Local Chemotherapy. <i>Pharmaceutical Research</i> , 2020, 37, 119.	1.7	8
913	Automation and low-cost proteomics for characterization of the protein corona: experimental methods for big data. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6543-6551.	1.9	18

#	ARTICLE	IF	CITATIONS
914	DNA-conjugated layered double hydroxides penetrating into a plasma membrane: Layer size, thickness and DNA grafting density matter. <i>NanoImpact</i> , 2020, 18, 100222.	2.4	7
915	Blood circulation of soft nanomaterials is governed by dynamic remodeling of protein opsonins at nano-biointerface. <i>Nature Communications</i> , 2020, 11, 3048.	5.8	59
916	In vitro cytotoxicity assessment of pristine and carboxyl-functionalized MWCNTs. <i>Food and Chemical Toxicology</i> , 2020, 141, 111374.	1.8	23
917	Nanoscale <i>in silico</i> classification of ligand functionalised surfaces for protein adsorption resistance. <i>Nanoscale</i> , 2020, 12, 7240-7255.	2.8	6
918	<p>Nanocarrier-Based Therapeutics and Theranostics Drug Delivery Systems for Next Generation of Liver Cancer Nanodrug Modalities</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1437-1456.	3.3	91
919	Hemocompatibility of Carbon Nanostructures. <i>Journal of Carbon Research</i> , 2020, 6, 12.	1.4	19
920	Unveiling the pitfalls of the protein corona of polymeric drug nanocarriers. <i>Drug Delivery and Translational Research</i> , 2020, 10, 730-750.	3.0	58
921	In Situ Investigation on the Protein Corona Formation of Quantum Dots by Using Fluorescence Resonance Energy Transfer. <i>Small</i> , 2020, 16, e1907633.	5.2	46
922	Polystyrene nanoparticles: Sources, occurrence in the environment, distribution in tissues, accumulation and toxicity to various organisms. <i>Environmental Pollution</i> , 2020, 262, 114297.	3.7	244
923	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for <i>in silico</i> nanosafety assessment. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 583-602.	1.9	74
924	<p>An in vitro Model System for Evaluating Remote Magnetic Nanoparticle Movement and Fibrinolysis</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1549-1568.	3.3	11
925	Graphene Oxide Nanosheets for Localized Hyperthermia" Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020, 9, 776.	1.8	16
926	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	3.2	117
927	Mechanistic Understanding of the Biological Responses to Polymeric Nanoparticles. <i>ACS Nano</i> , 2020, 14, 4509-4522.	7.3	55
928	Surface Chemistry-Dependent Evolution of the Nanomaterial Corona on TiO2 Nanomaterials Following Uptake and Sub-Cellular Localization. <i>Nanomaterials</i> , 2020, 10, 401.	1.9	17
929	Gold nanoparticles enhance immune responses in mice against recombinant classical swine fever virus E2 protein. <i>Biotechnology Letters</i> , 2020, 42, 1169-1180.	1.1	17
930	Enhancing the targeting ability of nanoparticles <i>via</i> protected copolymers. <i>Nanoscale</i> , 2020, 12, 7804-7813.	2.8	12
931	Determination of Protein Charge in Aqueous Solution Using Electrophoretic Light Scattering: A Critical Investigation of the Theoretical Fundamentals and Experimental Methodologies. <i>Langmuir</i> , 2020, 36, 8641-8654.	1.6	10

#	ARTICLE	IF	CITATIONS
932	Colon specific enzyme responsive oligoester crosslinked dextran nanoparticles for controlled release of 5-fluorouracil. International Journal of Pharmaceutics, 2020, 586, 119605.	2.6	40
933	<i>In Situ</i> Analysis of Weakly Bound Proteins Reveals Molecular Basis of Soft Corona Formation. ACS Nano, 2020, 14, 9073-9088.	7.3	38
934	Construction a Long-Circulating Delivery System of Liposomal Curcumin by Coating Albumin. ACS Omega, 2020, 5, 16502-16509.	1.6	16
935	Tandem ^{MS} Tag Based Proteomic Analysis Facilitates Analyzing Critical Factors of Porous Silicon Nanoparticles in Determining Their Biological Responses under Diseased Condition. Advanced Science, 2020, 7, 2001129.	5.6	11
936	Far-reaching advances in the role of carbon nanotubes in cancer therapy. Life Sciences, 2020, 257, 118059.	2.0	26
937	Albumin-Modified Melanin-Silica Hybrid Nanoparticles Target Breast Cancer Cells via a SPARC-Dependent Mechanism. Frontiers in Bioengineering and Biotechnology, 2020, 8, 765.	2.0	28
938	Tuning surface functionalities of sub-10 nm-sized nanocarriers to target outer retina in designing drug delivery agents for intravitreal administration. Biomaterials, 2020, 255, 120188.	5.7	7
939	A custom-made functionalization method to control the biological identity of nanomaterials. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102268.	1.7	7
940	An Ultrasmall RuO ₂ Nanozyme Exhibiting Multienzyme-like Activity for the Prevention of Acute Kidney Injury. ACS Applied Materials & Interfaces, 2020, 12, 31205-31216.	4.0	70
941	Rotating Magnetic Nanoparticle Clusters as Microdevices for Drug Delivery. International Journal of Nanomedicine, 2020, Volume 15, 4105-4123.	3.3	11
942	Biocompatibility of surface-modified gold nanoparticles towards red blood cells and haemoglobin. Applied Surface Science, 2020, 512, 145573.	3.1	33
943	Reversible Control of Protein Corona Formation on Gold Nanoparticles Using Host-Guest Interactions. ACS Nano, 2020, 14, 5382-5391.	7.3	48
944	Time-Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precision-Cut Liver Slices. Small, 2020, 16, e1906523.	5.2	19
945	Biological Behavior Regulation of Gold Nanoparticles via the Protein Corona. Advanced Healthcare Materials, 2020, 9, e1901448.	3.9	29
946	Tuning liposome composition to modulate corona formation in human serum and cellular uptake. Acta Biomaterialia, 2020, 106, 314-327.	4.1	43
947	Magnetic Nanoheterostructures. Nanomedicine and Nanotoxicology, 2020, , .	0.1	3
948	High Aspect Ratio Nanostructured Surfaces as Biological Metamaterials. Advanced Materials, 2020, 32, e1903862.	11.1	161
949	Drug delivery across the blood-brain barrier: recent advances in the use of nanocarriers. Nanomedicine, 2020, 15, 205-214.	1.7	101

#	ARTICLE	IF	CITATIONS
950	Comparative whole corona fingerprinting and protein adsorption thermodynamics of PLGA and PCL nanoparticles in human serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110816.	2.5	19
951	Understanding the Lipid and Protein Corona Formation on Different Sized Polymeric Nanoparticles. <i>Scientific Reports</i> , 2020, 10, 1129.	1.6	129
952	Novel chapter in hybrid materials: One-pot synthesis of purely organosilane fibers. <i>Polymer</i> , 2020, 190, 122234.	1.8	5
953	Airway epithelial-targeted nanoparticles for asthma therapy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L500-L509.	1.3	23
954	<p>Biomedical Applications of Zeolitic Nanoparticles, with an Emphasis on Medical Interventions</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 363-386.	3.3	34
955	Effects of Nanoparticle Electrostatics and Protein-Protein Interactions on Corona Formation: Conformation and Hydrodynamics. <i>Small</i> , 2020, 16, e1906598.	5.2	37
956	Pay Attention to Biological Nanoparticles when Studying the Protein Corona on Nanomedicines. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12584-12588.	7.2	38
957	Renal clearable nanocarriers: Overcoming the physiological barriers for precise drug delivery and clearance. <i>Journal of Controlled Release</i> , 2020, 322, 64-80.	4.8	37
958	Opportunities in the Synthesis and Design of Radioactive Thin Films and Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4017-4028.	2.1	1
959	Intracellular Generation of Superoxide by TiO ₂ Nanoparticles Decreases Histone Deacetylase 9 (HDAC9), an Epigenetic Modifier. <i>Bioconjugate Chemistry</i> , 2020, 31, 1354-1361.	1.8	18
960	Impacts of Proteins on Dissolution and Sulfidation of Silver Nanowires in an Aquatic Environment: Importance of Surface Charges. <i>Environmental Science & Technology</i> , 2020, 54, 5560-5568.	4.6	19
961	Unbiased Identification of the Liposome Protein Corona using Photoaffinity-based Chemoproteomics. <i>ACS Central Science</i> , 2020, 6, 535-545.	5.3	41
962	Recent advances in the analysis of nanoparticle-protein coronas. <i>Nanomedicine</i> , 2020, 15, 1037-1061.	1.7	25
963	Nonequilibrium Dynamics of Magnetic Nanoparticles with Applications in Biomedicine. <i>Advanced Materials</i> , 2021, 33, e1904131.	11.1	90
964	Diffusion and Protein Corona Formation of Lipid-Based Nanoparticles in the Vitreous Humor: Profiling and Pharmacokinetic Considerations. <i>Molecular Pharmaceutics</i> , 2021, 18, 699-713.	2.3	32
965	Analysis of the Human Plasma Proteome Using Multi-Nanoparticle Protein Corona for Detection of Alzheimer's Disease. <i>Advanced Healthcare Materials</i> , 2021, 10, e2000948.	3.9	19
966	Peptide-functionalized liposomes as therapeutic and diagnostic tools for cancer treatment. <i>Journal of Controlled Release</i> , 2021, 329, 624-644.	4.8	66
967	Contrasting spectroscopic response of human hemoglobin in presence of graphene oxides and its reduced form: Comparative approach with carbon quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119079.	2.0	5

#	ARTICLE	IF	CITATIONS
969	Voluntaryâ€Opsonizationâ€Enabled Precision Nanomedicines for Inflammation Treatment. <i>Advanced Materials</i> , 2021, 33, 2006160.	11.1	22
970	The Trojan Horse Goes Wild: The Effect of Drug Loading on the Behavior of Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 2230-2234.	1.6	3
971	The Trojan Horse Goes Wild: The Effect of Drug Loading on the Behavior of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2202-2206.	7.2	32
972	Strategies for Delivering Nanoparticles across Tumor Blood Vessels. <i>Advanced Functional Materials</i> , 2021, 31, 2007363.	7.8	46
973	Nanoâ€Bio Interactions in Cancer: From Therapeutics Delivery to Early Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 291-301.	7.6	95
974	Subtherapeutic Photodynamic Treatment Facilitates Tumor Nanomedicine Delivery and Overcomes Desmoplasia. <i>Nano Letters</i> , 2021, 21, 344-352.	4.5	28
975	Protein corona components of polyethylene glycol-conjugated organosilica nanoparticles modulates macrophage uptake. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111527.	2.5	27
976	Theranostic Approach for the Protein Corona of Polysaccharide Nanoparticles. <i>Chemical Record</i> , 2021, 21, 17-28.	2.9	5
977	Protein corona meets freeze-drying: overcoming the challenges of colloidal stability, toxicity, and opsonin adsorption. <i>Nanoscale</i> , 2021, 13, 753-762.	2.8	9
978	Rational design of adjuvants for subunit vaccines: The format of cationic adjuvants affects the induction of antigen-specific antibody responses. <i>Journal of Controlled Release</i> , 2021, 330, 933-944.	4.8	13
979	Different PEGâ€PLGA Matrices Influence In Vivo Optical/Photoacoustic Imaging Performance and Biodistribution of NIRâ€Emitting <i>I</i>â€Conjugated Polymer Contrast Agents. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001089.	3.9	9
980	Efficient pancreatic cancer detection through personalized protein corona of gold nanoparticles. <i>Biointerphases</i> , 2021, 16, 011010.	0.6	10
981	Kinetics of nanoparticle uptake into and distribution in human cells. <i>Nanoscale Advances</i> , 2021, 3, 2196-2212.	2.2	19
982	Enzyme-Nanoparticle Corona: A Novel Approach, Their Plausible Applications and Challenges. , 2021, , 175-199.		0
983	Nanoparticle-Mediated Adsorption of Pollutants: A Way Forward to Mitigation of Environmental Pollution. <i>Microorganisms for Sustainability</i> , 2021, , 317-348.	0.4	1
984	Inorganic material based macrophage regulation for cancer therapy: basic concepts and recent advances. <i>Biomaterials Science</i> , 2021, 9, 4568-4590.	2.6	28
985	Heparin modulates the cellular uptake of nanomedicines. <i>Biomaterials Science</i> , 2021, 9, 1227-1231.	2.6	3
986	<i>In vivo</i> protein corona on nanoparticles: does the control of all material parameters orient the biological behavior?. <i>Nanoscale Advances</i> , 2021, 3, 1209-1229.	2.2	52

#	ARTICLE	IF	CITATIONS
987	Butyrylcholinesterase nanodepots with enhanced prophylactic and therapeutic performance for acute organophosphorus poisoning management. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1877-1887.	2.9	5
988	A Magnetically Guided Self-Rolled Microrobot for Targeted Drug Delivery, Real-Time X-Ray Imaging, and Microrobot Retrieval. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001681.	3.9	54
989	Experimental conditions influence the formation and composition of the corona around gold nanoparticles. <i>Cancer Nanotechnology</i> , 2021, 12, 1.	1.9	32
990	Optimal centrifugal isolating of liposome-protein complexes from human plasma. <i>Nanoscale Advances</i> , 2021, 3, 3824-3834.	2.2	12
991	Simulating Nanomaterial Transformation in Cascaded Biological Compartments to Enhance the Physiological Relevance of In Vitro Dosing Regimes: Optional or Required?. <i>Small</i> , 2021, 17, e2004630.	5.2	11
992	Interplay between nanomedicine and protein corona. <i>Journal of Materials Chemistry B</i> , 2021, 9, 6713-6727.	2.9	21
993	SWATH-MS Protocols in Human Diseases. <i>Methods in Molecular Biology</i> , 2021, 2259, 105-141.	0.4	8
994	Polystyrene Nanoplastics Can Alter the Toxicological Effects of Simvastatin on <i>Danio rerio</i> . <i>Toxics</i> , 2021, 9, 44.	1.6	10
995	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. <i>Nature Communications</i> , 2021, 12, 899.	5.8	38
996	Nanobiotechnology for Agriculture: Smart Technology for Combating Nutrient Deficiencies with Nanotoxicity Challenges. <i>Sustainability</i> , 2021, 13, 1781.	1.6	46
997	Rethinking CRITID Procedure of Brain Targeting Drug Delivery: Circulation, Blood Brain Barrier Recognition, Intracellular Transport, Diseased Cell Targeting, Internalization, and Drug Release. <i>Advanced Science</i> , 2021, 8, 2004025.	5.6	96
998	Composition of Intracellular Protein Corona around Nanoparticles during Internalization. <i>ACS Nano</i> , 2021, 15, 3108-3122.	7.3	49
999	Self-Assembled pH-Sensitive Polymeric Nanoparticles for the Inflammation-Targeted Delivery of Cu/Zn-Superoxide Dismutase. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18152-18164.	4.0	14
1000	The Protein Corona Leads to Deformation of Spherical Micelles. <i>Angewandte Chemie</i> , 2021, 133, 10430-10437.	1.6	1
1001	Biological and Medical Applications of Calcium Phosphate Nanoparticles. <i>Chemistry - A European Journal</i> , 2021, 27, 7471-7488.	1.7	57
1002	Rational nanocarrier design towards clinical translation of cancer nanotherapy. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 032005.	1.7	14
1004	The Protein Corona Leads to Deformation of Spherical Micelles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10342-10349.	7.2	17
1005	Hard and Soft Protein Corona of Nanomaterials: Analysis and Relevance. <i>Nanomaterials</i> , 2021, 11, 888.	1.9	69

#	ARTICLE	IF	CITATIONS
1006	Complexity of the Nano-Bio Interface and the Tortuous Path of Metal Oxides in Biological Systems. <i>Antioxidants</i> , 2021, 10, 547.	2.2	5
1007	Biodistribution of Poly(alkyl cyanoacrylate) Nanoparticles in Mice and Effect on Tumor Infiltration of Macrophages into a Patient-Derived Breast Cancer Xenograft. <i>Nanomaterials</i> , 2021, 11, 1140.	1.9	7
1008	Nanotechnology and pancreatic cancer management: State of the art and further perspectives. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 231-237.	0.8	22
1009	Molecular Modeling of Protein Corona Formation and Its Interactions with Nanoparticles and Cell Membranes for Nanomedicine Applications. <i>Pharmaceutics</i> , 2021, 13, 637.	2.0	15
1010	Embracing nanomaterials' interactions with the innate immune system. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1719.	3.3	10
1011	Bio-nano interactions: binding proteins, polysaccharides, lipids and nucleic acids onto magnetic nanoparticles. <i>Biomaterials Research</i> , 2021, 25, 12.	3.2	71
1012	Biosafety risk assessment of nanoparticles: Evidence from food case studies. <i>Environmental Pollution</i> , 2021, 275, 116662.	3.7	22
1013	Phagocytosis of polymeric nanoparticles aided activation of macrophages to increase atherosclerotic plaques in ApoE ^{-/-} mice. <i>Journal of Nanobiotechnology</i> , 2021, 19, 121.	4.2	19
1014	Biological effects of formation of protein corona onto nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 1-18.	3.6	42
1015	Toxic effect and mechanism of ultrafine carbon black on mouse primary splenocytes and two digestive enzymes. <i>Ecotoxicology and Environmental Safety</i> , 2021, 212, 111980.	2.9	5
1016	New side chain design for pH-responsive block copolymers for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 200, 111563.	2.5	10
1017	Exploring the unexplored avenues of surface charge in nano-medicine. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100406.	2.0	18
1018	Protein nanoparticles in drug delivery: animal protein, plant proteins and protein cages, albumin nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 159.	4.2	174
1019	Isolation and Quantification of miRNA from the Biomolecular Corona on Mesoporous Silica Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1196.	1.9	2
1020	Effects of Protein Source on Liposome Uptake by Cells: Corona Composition and Impact of the Excess Free Proteins. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100370.	3.9	18
1021	Influence of Poly(ethylene glycol) Molecular Architecture on Particle Assembly and <i>Ex Vivo</i> Particle-Immune Cell Interactions in Human Blood. <i>ACS Nano</i> , 2021, 15, 10025-10038.	7.3	27
1022	The Fate of Nanoparticles In Vivo and the Strategy of Designing Stealth Nanoparticle for Drug Delivery. <i>Current Drug Targets</i> , 2021, 22, 922-946.	1.0	14
1023	A Proteomic Study on the Personalized Protein Corona of Liposomes. Relevance for Early Diagnosis of Pancreatic DUCTAL Adenocarcinoma and Biomarker Detection. <i>Journal of Nanotheranostics</i> , 2021, 2, 82-93.	1.7	10

#	ARTICLE	IF	CITATIONS
1024	Surface Plasmon Resonance Assay for Identification of Small Molecules Capable of Inhibiting A β Aggregation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27845-27855.	4.0	8
1025	Nonspecific Binding—Fundamental Concepts and Consequences for Biosensing Applications. <i>Chemical Reviews</i> , 2021, 121, 8095-8160.	23.0	113
1026	Environmental dimensions of the protein corona. <i>Nature Nanotechnology</i> , 2021, 16, 617-629.	15.6	173
1027	Regulation of in vivo delivery of nanomedicines by herbal medicines. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 210-228.	6.6	19
1028	Biostimulation and toxicity: The magnitude of the impact of nanomaterials in microorganisms and plants. <i>Journal of Advanced Research</i> , 2021, 31, 113-126.	4.4	69
1029	The protein corona and its effects on nanoparticle-based drug delivery systems. <i>Acta Biomaterialia</i> , 2021, 129, 57-72.	4.1	95
1030	Drug Delivery by Ultrasound-Responsive Nanocarriers for Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 1135.	2.0	55
1031	Effect of Protein Corona on the Drug Delivery of Carbogenic Nanodots and Their Mapping by Fluorescence Lifetime Imaging Microscopy. <i>ACS Applied Bio Materials</i> , 2021, 4, 5776-5785.	2.3	1
1032	<i>In Planta</i> Nanosensors: Understanding Biocorona Formation for Functional Design. <i>ACS Sensors</i> , 2021, 6, 2802-2814.	4.0	22
1033	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 701504.	2.0	27
1034	Thermodynamic Insights into Protein Adsorption on Supramolecular Assemblies of π -Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8981-8988.	1.2	5
1035	Polymer-Functionalized Upconversion Nanoparticles for Light/Imaging-Guided Drug Delivery. <i>Biomacromolecules</i> , 2021, 22, 3168-3201.	2.6	51
1036	Toward the Specificity of Bare Nanomaterial Surfaces for Protein Corona Formation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7625.	1.8	8
1037	Toxicity of Carbon Nanomaterials—Towards Reliable Viability Assessment via New Approach in Flow Cytometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7750.	1.8	6
1038	Unusual zymogen activation patterns in the protein corona of Ca-zeolites. <i>Nature Catalysis</i> , 2021, 4, 607-614.	16.1	44
1039	Research progress and application opportunities of nanoparticle—protein corona complexes. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111541.	2.5	29
1040	Internalisation and Biological Activity of Nucleic Acids Delivering Cell-Penetrating Peptide Nanoparticles Is Controlled by the Biomolecular Corona. <i>Pharmaceutics</i> , 2021, 14, 667.	1.7	6
1041	The protein corona hampers the transcytosis of transferrin-modified nanoparticles through blood—brain barrier and attenuates their targeting ability to brain tumor. <i>Biomaterials</i> , 2021, 274, 120888.	5.7	90

#	ARTICLE	IF	CITATIONS
1042	Size Dependence Unveiling the Adsorption Interaction of High-Density Lipoprotein Particles with PEGylated Gold Nanoparticles in Biomolecular Corona Formation. <i>Langmuir</i> , 2021, 37, 9755-9763.	1.6	9
1043	Predicting and investigating cytotoxicity of nanoparticles by translucent machine learning. <i>Chemosphere</i> , 2021, 276, 130164.	4.2	15
1044	Unmodified single nanoparticles undergo a motion-pattern transition on the plasma membrane before cellular uptake. <i>Nano Today</i> , 2021, 39, 101158.	6.2	4
1045	Investigating the interaction of CdTe quantum dots with plasma protein transferrin and their interacting consequences at the molecular and cellular level. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 434-440.	3.6	7
1046	Interaction of nanoplastics with extracellular polymeric substances (EPS) in the aquatic environment: A special reference to eco-corona formation and associated impacts. <i>Water Research</i> , 2021, 201, 117319.	5.3	103
1047	Using Gold-Nanorod-Filled Mesoporous Silica Nanobeads for Enhanced Radiotherapy of Oral Squamous Carcinoma. <i>Nanomaterials</i> , 2021, 11, 2235.	1.9	13
1048	Nano/micro plastics " Challenges on quantification and remediation: A review. <i>Journal of Water Process Engineering</i> , 2021, 42, 102128.	2.6	28
1049	Understanding the anchoring interaction of coagulation factor Va light chain on zeolites: A molecular dynamics study. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 435-445.	5.0	3
1050	Metal-phenolic network coatings for engineering bioactive interfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111851.	2.5	23
1051	The effect of drug loading and multiple administration on the protein corona formation and brain delivery property of PEG-PLA nanoparticles. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2043-2056.	5.7	14
1052	Magnetothermal regulation of in vivo protein corona formation on magnetic nanoparticles for improved cancer nanotherapy. <i>Biomaterials</i> , 2021, 276, 121021.	5.7	29
1053	The interaction of folate-modified Bletilla striata polysaccharide-based micelle with bovine serum albumin. <i>Glycoconjugate Journal</i> , 2021, 38, 585-597.	1.4	4
1054	Stimuli-Responsive Three-Dimensional DNA Nanomachines Engineered by Controlling Dynamic Interactions at Biomolecule-Nanoparticle Interfaces. <i>ACS Nano</i> , 2021, 15, 16870-16877.	7.3	17
1055	Bioinspired drug delivery strategies for repurposing conventional antibiotics against intracellular infections. <i>Advanced Drug Delivery Reviews</i> , 2021, 177, 113948.	6.6	45
1056	Interaction of magnetic silica nanoparticles with food proteins during in vitro digestion. <i>LWT - Food Science and Technology</i> , 2021, 152, 112303.	2.5	1
1057	CHAPTER 5. Inorganic Nanocrystals and Biointerfaces. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 161-208.	0.2	0
1058	Recent advancement and developments in biomaterial-based nanomedicines, imaging, and cures. , 2021, , 87-107.		0
1059	Improving the sensitivity of T_1 contrast-enhanced MRI and sensitive diagnosing tumors with ultralow doses of MnO octahedrons. <i>Theranostics</i> , 2021, 11, 6966-6982.	4.6	16

#	ARTICLE	IF	CITATIONS
1060	pH and redox triggered doxorubicin release from covalently linked carbon dots conjugates. <i>Nanoscale</i> , 2021, 13, 5507-5518.	2.8	22
1061	Surface properties modulate protein corona formation and determine cellular uptake and cytotoxicity of silver nanoparticles. <i>Nanoscale</i> , 2021, 13, 14119-14129.	2.8	20
1062	In silico nanosafety assessment tools and their ecosystem-level integration prospect. <i>Nanoscale</i> , 2021, 13, 8722-8739.	2.8	11
1063	Nanomaterial Interaction and Cellular Damage: Involvement of Various Signalling Pathways. <i>Nanotechnology in the Life Sciences</i> , 2021, , 431-448.	0.4	0
1064	Impact of the protein corona on nanomaterial immune response and targeting ability. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1615.	3.3	44
1065	Quantum Dots for Imaging Neural Cells In Vitro and In Vivo. <i>Methods in Molecular Biology</i> , 2014, 1199, 191-206.	0.4	4
1066	Engineering Antibodies with C-Terminal Sortase-Mediated Modification for Targeted Nanomedicine. <i>Methods in Molecular Biology</i> , 2019, 2033, 67-80.	0.4	5
1067	Toxicity Assessment of Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2020, , 383-446.	0.1	5
1068	Contribution of Metallic Nanomaterials in Algal Biofuel Production. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 331-353.	0.3	3
1069	Nanoemulsions as Carriers for Natural Antioxidants: Formulation Development and Optimisation. <i>Food Bioactive Ingredients</i> , 2020, , 149-195.	0.3	2
1070	Application of Nanoparticles in Manufacturing. , 2016, , 1219-1278.		3
1071	Excretion and Clearance. <i>Biological and Medical Physics Series</i> , 2018, , 347-368.	0.3	4
1072	Physiological, ultrastructural and proteomic responses of tobacco seedlings exposed to silver nanoparticles and silver nitrate. <i>Chemosphere</i> , 2018, 209, 640-653.	4.2	47
1073	Characterization of fullerene-protein interactions and an extended investigation on cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 261-267.	2.5	23
1074	The state of the art of nanopsychiatry for schizophrenia diagnostics and treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102222.	1.7	9
1075	Isobaric Labeling Proteomics Allows a High-Throughput Investigation of Protein Corona Orientation. <i>Analytical Chemistry</i> , 2021, 93, 784-791.	3.2	10
1076	Polymer Brush-Grafted Nanoparticles Preferentially Interact with Opsonins and Albumin. <i>ACS Applied Bio Materials</i> , 2021, 4, 795-806.	2.3	17
1077	Enhanced Secretion of Functional Insulin with DNA-Functionalized Gold Nanoparticles in Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1602-1610.	2.6	2

#	ARTICLE	IF	CITATIONS
1078	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. ACS Central Science, 2017, 3, 839-846.	5.3	207
1079	Chapter 6. Surface Chemistry in SPR Technology. , 0, , 171-254.		5
1080	CHAPTER 1. Nanoparticle-Protein Corona Complex: Composition, Kinetics, Physico-Chemical Characterization, and Impact on Biomedical Applications. Issues in Toxicology, 2019, , 1-30.	0.2	5
1081	Gold nanoclusters for biomedical applications: toward <i>in vivo</i> studies. Journal of Materials Chemistry B, 2020, 8, 2216-2232.	2.9	95
1082	Biomedical nanomaterials: applications, toxicological concerns, and regulatory needs. Nanotoxicology, 2021, 15, 331-351.	1.6	20
1084	Inner-View of Nanomaterial Incited Protein Conformational Changes: Insights into Designable Interaction. Research, 2018, 2018, 9712832.	2.8	39
1085	Pharmacokinetics and Biodistribution of Nanomaterials. , 2014, , 135-152.		1
1087	Adsorption of Cellular Proteins to Polyelectrolyte-Functionalized Gold Nanorods: A Mechanism for Nanoparticle Regulation of Cell Phenotype?. PLoS ONE, 2014, 9, e86670.	1.1	27
1088	Plasma Protein Corona Modulates the Vascular Wall Interaction of Drug Carriers in a Material and Donor Specific Manner. PLoS ONE, 2014, 9, e107408.	1.1	31
1089	Proteomics Analysis Reveals Distinct Corona Composition on Magnetic Nanoparticles with Different Surface Coatings: Implications for Interactions with Primary Human Macrophages. PLoS ONE, 2015, 10, e0129008.	1.1	61
1090	Exposure to Palladium Nanoparticles Affects Serum Levels of Cytokines in Female Wistar Rats. PLoS ONE, 2015, 10, e0143801.	1.1	27
1091	Extending the Adaptive Network Nanomedicine Model for Homeopathic Medicines: Nanostructures as Salient Cell Danger Signals for Adaptation. Nanoscience & Technology Open Access, 2015, 2, .	0.3	3
1092	Targeted therapy using nanotechnology: focus on cancer. International Journal of Nanomedicine, 2014, 9, 467.	3.3	299
1093	Liposome Circulation Time is Prolonged by CD47 Coating. Protein and Peptide Letters, 2020, 27, 1029-1037.	0.4	16
1094	The Fate of Nanocarriers As Nanomedicines In Vivo: Important Considerations and Biological Barriers to Overcome. Current Medicinal Chemistry, 2013, 20, 2759-2778.	1.2	41
1095	Laponite-based Nanomaterials for Biomedical Applications: A Review. Current Pharmaceutical Design, 2019, 25, 424-443.	0.9	62
1096	Plasma Proteins Interaction with Curcumin Nanoparticles: Implications in Cancer Therapeutics. Current Drug Metabolism, 2013, 14, 504-515.	0.7	34
1097	Does Pharmacodynamics of Drugs Change After Presenting them as Nanoparticles Like their Pharmacokinetics?. Current Drug Targets, 2020, 21, 807-818.	1.0	4

#	ARTICLE	IF	CITATIONS
1098	Nanoparticle Drug Delivery Systems: Recent Patents and Applications in Nanomedicine. Recent Patents on Nanomedicine, 2014, 3, 105-118.	0.5	35
1099	Sources of variability in nanoparticle uptake by cells. Nanoscale, 2021, 13, 17530-17546.	2.8	16
1100	Impact of Protein Corona on the Biological Identity of Nanomedicine: Understanding the Fate of Nanomaterials in the Biological Milieu. Biomedicines, 2021, 9, 1496.	1.4	26
1101	Nanoprotein Interaction Atlas Reveals the Transport Pathway of Gold Nanoparticles across Epithelium and Its Association with Wnt/ β^2 -Catenin Signaling. ACS Nano, 2021, 15, 17977-17997.	7.3	19
1102	Biodegradation of Carbon-Based Nanomaterials: The Importance of "Biomolecular Corona" Consideration. Advanced Functional Materials, 2022, 32, 2105649.	7.8	9
1103	Modulating Protein Corona and Materials' Cell Interactions with Temperature-Responsive Materials. Advanced Functional Materials, 2022, 32, .	7.8	18
1104	Moderated crevice corrosion susceptibility of Ti6Al4V implant material due to albumin-corrosion interaction. Journal of Materials Science and Technology, 2022, 109, 209-220.	5.6	10
1105	Revising Protein Corona Characterization and Combining ITC and Nano-DSC to Understand the Interaction of Proteins With Porous Nanoparticles. Frontiers in Bioengineering and Biotechnology, 2021, 9, 650281.	2.0	6
1106	Particulate Exposure and Cardiovascular Inflammation. , 2013, , 103-130.		1
1108	Bioremediation and Biotransformation of Carbon Nanostructures Through Enzymatic and Microbial Systems. , 2014, , 101-121.		0
1109	Effect of pH and Salinity on Silica-Lysozyme Hetero-Aggregation. Springer Theses, 2014, , 103-119.	0.0	0
1110	Surface Treatment Strategies on Catalytic Metal Nanoparticles. , 2016, , 1101-1125.		0
1111	Environmental Toxicity of Nanomaterials. , 0, , .		3
1112	Persistence, Toxicity, and Biodegradation of Gold- and Iron Oxide-Based Nanoparticles in the Living Systems. Nanomedicine and Nanotoxicology, 2020, , 447-478.	0.1	0
1114	Role of proteins in the biosynthesis and functioning of metallic nanoparticles. Critical Reviews in Biotechnology, 2022, 42, 1045-1060.	5.1	3
1115	The curious cases of nanoparticle induced amyloidosis during protein corona formation and anti-amyloidogenic nanomaterials: Paradox or prejudice?. International Journal of Biological Macromolecules, 2021, 193, 1009-1020.	3.6	5
1116	Formation and biological effects of protein corona for food-related nanoparticles. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 2002-2031.	5.9	14
1117	Simulating the Self-Assembly and Hysteresis Loops of Ferromagnetic Nanoparticles with Sticking of Ligands. Nanomaterials, 2021, 11, 2870.	1.9	5

#	ARTICLE	IF	CITATIONS
1118	Thermodynamics of (nano)interfaces. , 2022, , 13-56.		0
1120	Nanomaterials at the Biological Interphase: Protein Corona Formation and Infusion Reactions. , 2020, , 159-183.		1
1123	Engineering of ¹⁷⁷ Lu-labeled gold encapsulated into dendrimeric nanomaterials for the treatment of lung cancer. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 197-211.	1.9	7
1124	Atomistic investigations of polymer-doxorubicin-CNT compatibility for targeted cancer treatment: A molecular dynamics study. Journal of Molecular Liquids, 2022, 348, 118005.	2.3	11
1125	A review on nanotechnology: Properties, applications, and mechanistic insights of cellular uptake mechanisms. Journal of Molecular Liquids, 2022, 348, 118008.	2.3	50
1126	Bioactive Nanoparticles Synthesized By Green Method. Black Sea Journal of Engineering and Science, 2021, 4, 29-42.	0.3	4
1129	Protein corona mitigated the cytotoxicity of CdTe QDs to macrophages by targeting mitochondria. NanoImpact, 2022, 25, 100367.	2.4	13
1130	Bibliometric landscape of the researches on protein corona of nanoparticles. Frontiers of Materials Science, 2021, 15, 1-17.	1.1	1
1131	Macrophage-targeted nanomedicine for the diagnosis and treatment of atherosclerosis. Nature Reviews Cardiology, 2022, 19, 228-249.	6.1	171
1132	Polymeric Nanoparticles Properties and Brain Delivery. Pharmaceutics, 2021, 13, 2045.	2.0	25
1133	The structure, formation, and effect of plasma protein layer on the blood contact materials: A review. Biosurface and Biotribology, 2022, 8, 1-14.	0.6	9
1134	Strong π - π Stacking Stabilized Nanophotosensitizers: Improving Tumor Retention for Enhanced Therapy for Large Tumors in Mice. Advanced Materials, 2022, 34, e2106797.	11.1	64
1135	Engineering Surface Amphiphilicity of Polymer Nanostructures. Progress in Polymer Science, 2021, , 101489.	11.8	0
1136	Controlled delivery of quantum dots using microelectrophoresis technique: Intracellular behavior and preservation of cell viability. Bioelectrochemistry, 2022, 144, 108035.	2.4	0
1137	Porous silicon materials for cancer and immunotherapy. , 2021, , 571-609.		0
1138	The nanotopography of SiO ₂ particles impacts the selectivity and 3D fold of bound allergens. Nanoscale, 2021, 13, 20508-20520.	2.8	6
1139	Multi-Walled Carbon Nanotubes Inhibit Potential Detoxification Of Dioxin-Mediated Toxicity by Blocking The Nuclear Translocation Of Aryl Hydrocarbon Receptor. SSRN Electronic Journal, 0, , .	0.4	0
1140	Serum proteins on nanoparticles: early stages of the α protein corona. Nanoscale, 2021, 13, 20550-20563.	2.8	5

#	ARTICLE	IF	CITATIONS
1141	Effect of micro- and nanoparticle shape on biological processes. <i>Journal of Controlled Release</i> , 2022, 342, 93-110.	4.8	37
1142	Biosensors for Caspase-3: From chemical methodologies to biomedical applications. <i>Talanta</i> , 2022, 240, 123198.	2.9	18
1143	Toxicity of metal and metal oxide nanoparticles. , 2022, , 87-126.		5
1144	Oponin-Deficient Nucleoproteic Corona Endows UnPEGylated Liposomes with Stealth Properties <i>in Vivo</i> . <i>ACS Nano</i> , 2022, 16, 2088-2100.	7.3	28
1145	Recent Progress in Microneedles-Mediated Diagnosis, Therapy, and Theranostic Systems. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102547.	3.9	34
1147	Colloidal stability and degradability of silica nanoparticles in biological fluids: a review. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 102, 41-62.	1.1	17
1148	Understanding Nanomaterial-Liver Interactions to Facilitate the Development of Safer Nanoapplications. <i>Advanced Materials</i> , 2022, 34, e2106456.	11.1	51
1149	Probing the glycans accessibility in the nanoparticle biomolecular corona. <i>Journal of Colloid and Interface Science</i> , 2022, 613, 563-574.	5.0	14
1150	Synthesis of Novel Virus-Like Mesoporous Silica-ZnO-Ag Nanoparticles and Quercetin Synergize with NIR Laser for Omicron Mutated Covid-19 Virus Infectious Diseases Treatment. <i>Advances in Nanoparticles</i> , 2022, 11, 13-22.	0.3	3
1151	Hybrid protein-inorganic nanoparticles for drug delivery in cancer therapy. , 2022, , 187-225.		0
1152	Investigation of interaction between MXene nanosheets and human plasma and protein corona composition. <i>Nanoscale</i> , 2022, 14, 3777-3787.	2.8	15
1153	Multi-walled carbon nanotubes inhibit potential detoxification of dioxin-mediated toxicity by blocking the nuclear translocation of aryl hydrocarbon receptor. <i>Journal of Hazardous Materials</i> , 2022, 430, 128458.	6.5	3
1154	Nano-Bio Interface-Guided Nanoparticle Protein Corona Antigen for Immunoassays and Immunoimaging in a Complex Matrix. <i>ACS Applied Bio Materials</i> , 2022, 5, 841-852.	2.3	1
1155	Scratching the Surface of the Protein Corona: Challenging Measurements and Controversies. <i>ACS Nano</i> , 2022, 16, 1689-1707.	7.3	35
1156	Leveraging self-assembled nanobiomaterials for improved cancer immunotherapy. <i>Cancer Cell</i> , 2022, 40, 255-276.	7.7	45
1157	Understanding the Biomolecular Coronas of High-Density Lipoproteins on PEGylated Au Nanoparticles: Implication for Lipid Corona Formation in the Blood. <i>ACS Applied Nano Materials</i> , 2022, 5, 2018-2028.	2.4	5
1158	On the mechanism of tissue-specific mRNA delivery by selective organ targeting nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	285
1160	All-in-one superparamagnetic and SERS-active niosomes for dual-targeted <i>in vitro</i> detection of breast cancer cells. <i>Sensors & Diagnostics</i> , 2022, 1, 469-484.	1.9	7

#	ARTICLE	IF	CITATIONS
1161	Nanoparticle Surface Engineering with Heparosan Polysaccharide Reduces Serum Protein Adsorption and Enhances Cellular Uptake. <i>Nano Letters</i> , 2022, 22, 2103-2111.	4.5	27
1162	Understanding the Significance of Sample Preparation in Studies of the Nanoparticle Metabolite Corona. <i>ACS Measurement Science Au</i> , 2022, 2, 251-260.	1.9	5
1163	Proteins Adsorbing onto Surface-Modified Nanoparticles: Effect of Surface Curvature, pH, and the Interplay of Polymers and Proteins Acid-Base Equilibrium. <i>Polymers</i> , 2022, 14, 739.	2.0	5
1164	Advancement of nanomedicines in chronic inflammatory disorders. <i>Inflammopharmacology</i> , 2022, 30, 355-368.	1.9	10
1165	The Protein Interactome of a Nanoparticle Population in Whole Cytoplasm under Near-Native Conditions: A Pilot Study. <i>Particle and Particle Systems Characterization</i> , 0, , 2100283.	1.2	2
1166	Untangling Mucosal Drug Delivery: Engineering, Designing, and Testing Nanoparticles to Overcome the Mucus Barrier. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1396-1426.	2.6	28
1167	Mechanistic Pathway of Lipid Phase-Dependent Lipid Corona Formation on Phenylalanine-Functionalized Gold Nanoparticles: A Combined Experimental and Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2241-2255.	1.2	7
1168	Study of pulsed laser-induced heating in bio-plasmonic solution using combined photoacoustic and probe beam deflection technique: Thermoacoustic effects. <i>Journal of Applied Physics</i> , 2022, 131, 094701.	1.1	1
1169	Engineered nanoparticles enable deep proteomics studies at scale by leveraging tunable nano-bio interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2106053119.	3.3	29
1170	A Nanoparticle's Journey to the Tumor: Strategies to Overcome First-Pass Metabolism and Their Limitations. <i>Cancers</i> , 2022, 14, 1741.	1.7	28
1171	Influence of surface chemistry and morphology of nanoparticles on protein corona formation. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1788.	3.3	39
1172	Isolation Methods Influence the Protein Corona Composition on Gold-Coated Iron Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 4737-4746.	3.2	8
1173	Protein adsorption onto nanomaterials engineered for theranostic applications. <i>Nanotechnology</i> , 2022, 33, 262001.	1.3	12
1174	Competitive Protein Adsorption on Charge Regulating Silica-Like Surfaces: The Role of Protonation Equilibrium. <i>Journal of Physics Condensed Matter</i> , 2022, , .	0.7	1
1175	Dynamic process, mechanisms, influencing factors and study methods of protein corona formation. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 731-739.	3.6	16
1176	Changes in target ability of nanoparticles due to protein corona composition and disease state. <i>Asian Journal of Pharmaceutical Sciences</i> , 2022, 17, 401-411.	4.3	11
1177	Strategies for improving the safety and RNAi efficacy of noncovalent peptide/siRNA nanocomplexes. <i>Advances in Colloid and Interface Science</i> , 2022, 302, 102638.	7.0	17
1178	Exploring the interaction between lactoferrin and CdTe quantum dots: Energetic and molecular dynamic study. <i>Journal of Molecular Liquids</i> , 2022, 356, 119005.	2.3	1

#	ARTICLE	IF	CITATIONS
1179	PMVEMA-coated upconverting nanoparticles for upconversion-linked immunoassay of cardiac troponin. <i>Talanta</i> , 2022, 244, 123400.	2.9	7
1180	Elucidating the Stability of Single-Chain Polymeric Nanoparticles in Biological Media and Living Cells. <i>Biomacromolecules</i> , 2022, 23, 326-338.	2.6	20
1181	Poly (N-vinylpyrrolidone) modification mitigates plasma protein corona formation on phosphomolybdate-based nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 445.	4.2	4
1183	Complementary Powerful Techniques for Investigating the Interactions of Proteins with Porous TiO ₂ and Its Hybrid Materials: A Tutorial Review. <i>Membranes</i> , 2022, 12, 415.	1.4	0
1189	"Nano-ghosts": Risk assessment of submicron-sized particles in food biased towards fictional "nano".. <i>EXCLI Journal</i> , 2022, 21, 279-299.	0.5	0
1190	Cell-surface glycosaminoglycans regulate the cellular uptake of charged polystyrene nanoparticles. <i>Nanoscale</i> , 2022, 14, 7350-7363.	2.8	4
1191	Biogenic Synthesis of Nanoparticles and Drug Delivery Systems. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2022, , 1-26.	0.2	0
1192	Structural changes in selected human proteins induced by exposure to quantum dots, their biological relevance and possible biomedical applications. <i>NanoImpact</i> , 2022, 26, 100405.	2.4	6
1193	Reduction in Toxicity of Polystyrene Nanoplastics Combined with Phenanthrene through Binding of Jellyfish Mucin with Nanoplastics. <i>Nanomaterials</i> , 2022, 12, 1427.	1.9	3
1194	Versatile Coating Platform for Metal Oxide Nanoparticles: Applications to Materials and Biological Science. <i>Langmuir</i> , 2022, 38, 5323-5338.	1.6	9
1195	Cholesterol-Mediated Seeding of Protein Corona on DNA Nanostructures for Targeted Delivery of Oligonucleotide Therapeutics to Treat Liver Fibrosis. <i>ACS Nano</i> , 2022, 16, 7331-7343.	7.3	23
1196	Chemical and Biophysical Signatures of the Protein Corona in Nanomedicine. <i>Journal of the American Chemical Society</i> , 2022, 144, 9184-9205.	6.6	98
1197	Brain Accumulation and Toxicity Profiles of Silica Nanoparticles: The Influence of Size and Exposure Route. <i>Environmental Science & Technology</i> , 2022, 56, 8319-8325.	4.6	16
1198	Macrophage membrane biomimetic drug delivery system: for inflammation targeted therapy. <i>Journal of Drug Targeting</i> , 2023, 31, 229-242.	2.1	7
1199	Human serum albumin adsorption on cellulose nanocrystal: A spectroscopy and molecular dynamics simulation research. <i>Applied Surface Science</i> , 2022, 597, 153749.	3.1	2
1200	Protein binding on acutely toxic and non-toxic polystyrene nanoparticles during filtration by <i>Daphnia magna</i> . <i>Environmental Science: Nano</i> , 2022, 9, 2500-2509.	2.2	3
1201	Glycopolymers for Drug Delivery: Opportunities and Challenges. <i>Macromolecules</i> , 2022, 55, 4867-4890.	2.2	28
1202	Metal nanoparticles in cancer: from synthesis and metabolism to cellular interactions. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 321-348.	5.3	18

#	ARTICLE	IF	CITATIONS
1203	Squaric Ester-Based Nanogels Induce No Distinct Protein Corona but Entrap Plasma Proteins into their Porous Hydrogel Network. <i>Macromolecular Rapid Communications</i> , 2022, 43, .	2.0	2
1204	Nanoparticle-Protein Interaction: Demystifying the Correlation between Protein Corona and Aggregation Phenomena. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28559-28569.	4.0	13
1205	Efficacy of mimetic viral dynein binding peptide binding nanoparticles in blood-brain barrier model. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 74, 103523.	1.4	3
1206	Enhanced antibacterial activity of Rosehip extract-functionalized Mg(OH) ₂ nanoparticles: An in vitro and in vivo study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112643.	2.5	6
1207	In vitro and ex vivo nano-enabled immunomodulation by the protein corona. <i>Nanoscale</i> , 2022, 14, 10531-10539.	2.8	3
1208	Tuning the immune system by nanoparticle-biomolecular corona. <i>Nanoscale Advances</i> , 2022, 4, 3300-3308.	2.2	8
1209	Functionalization of carbon nanotubes with bovine plasma biowaste by forming a protein corona enhances copper removal from water and ecotoxicity mitigation. <i>Environmental Science: Nano</i> , 2022, 9, 2887-2905.	2.2	5
1210	Anti-PEG Antibodies Boosted in Humans by SARS-CoV-2 Lipid Nanoparticle mRNA Vaccine. <i>ACS Nano</i> , 2022, 16, 11769-11780.	7.3	108
1211	Nanomaterial-Based Drug Delivery System Targeting Lymph Nodes. <i>Pharmaceutics</i> , 2022, 14, 1372.	2.0	14
1212	Nano-enabled weed management in agriculture: From strategic design to enhanced herbicidal activity. , 2022, 1, 100008.		16
1213	Chemoprevention of bilirubin encephalopathy with a nanoceutical agent. <i>Pediatric Research</i> , 2023, 93, 827-837.	1.1	3
1214	Thermodynamic and Kinetic Binding Behaviors of Human Serum Albumin to Silver Nanoparticles. <i>Materials</i> , 2022, 15, 4957.	1.3	4
1215	Metal nanoparticles: biomedical applications and their molecular mechanisms of toxicity. <i>Chemical Papers</i> , 2022, 76, 6073-6095.	1.0	7
1216	Macromolecular conjugated cyanine fluorophore nanoparticles for tumor-responsive photo nanotheranostics. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 453-465.	5.0	4
1217	In vivo imaging with SERS nanoprobe. , 2022, , 199-235.		0
1218	Conjugating Ligands to an Equilibrated Nanoparticle Protein Corona Enables Cell Targeting in Serum. <i>Chemistry of Materials</i> , 2022, 34, 6868-6882.	3.2	19
1219	Identifying cell receptors for the nanoparticle protein corona using genome screens. <i>Nature Chemical Biology</i> , 2022, 18, 1023-1031.	3.9	28
1220	Concentration and composition of the protein corona as a function of incubation time and serum concentration: an automated approach to the protein corona. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7265-7275.	1.9	8

#	ARTICLE	IF	CITATIONS
1221	Biomolecular Corona Stability in Association with Plasma Cholesterol Level. <i>Nanomaterials</i> , 2022, 12, 2661.	1.9	2
1222	Targeted Carbon Nanostructures for Chemical and Gene Delivery to Plant Chloroplasts. <i>ACS Nano</i> , 2022, 16, 12156-12173.	7.3	29
1223	Signature Effects of Vector-Guided Systemic Nano Bioconjugate Delivery Across Blood-Brain Barrier of Normal, Alzheimer's, and Tumor Mouse Models. <i>ACS Nano</i> , 2022, 16, 11815-11832.	7.3	8
1224	Aquatic organisms modulate the bioreactivity of engineered nanoparticles: focus on biomolecular corona. <i>Frontiers in Toxicology</i> , 0, 4, .	1.6	5
1225	Soft Protein Corona as the Stabilizer of the Methionine-Coated Silver Nanoparticles in the Physiological Environment: Insights into the Mechanism of the Interaction. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8985.	1.8	4
1226	Multilayer protein corona on gold nanorod surface: First evidence of soft corona protein-protein interactions using solution NMR spectroscopy. <i>Applied Surface Science Advances</i> , 2022, 11, 100272.	2.9	4
1227	Biocorona modulates the inflammatory response induced by gold nanoparticles in human epidermal keratinocytes. <i>Toxicology Letters</i> , 2022, 369, 34-42.	0.4	2
1228	Nanoparticle-assisted oral delivery of small and large peptides. , 2022, , 131-166.		0
1229	Selective detection of tartaric acid using amino acid interlinked silver nanoparticles as a colorimetric probe. <i>Analytical Methods</i> , 2022, 14, 3323-3334.	1.3	0
1230	Magnetotactic bacteria AMB-1 with active deep tumor penetrability for magnetic hyperthermia of hypoxic tumors. <i>Biomaterials Science</i> , 2022, 10, 6510-6516.	2.6	4
1231	A Toxicologic Review of Quantum Dots: Recent Insights and Future Directions. , 2022, , 67-90.		0
1232	The Yin and Yang of the protein corona on the delivery journey of nanoparticles. <i>Nano Research</i> , 2023, 16, 715-734.	5.8	13
1233	Nanoparticle assembled structures for matter assays in human flowing systems. <i>Matter</i> , 2022, 5, 2760-2786.	5.0	2
1234	Bioinspired Screening of Anti-Adhesion Peptides against Blood Proteins for Intravenous Delivery of Nanomaterials. <i>Nano Letters</i> , 2022, 22, 8076-8085.	4.5	4
1235	Protein Desorption Kinetics Depends on the Timescale of Observation. <i>Biomacromolecules</i> , 2022, 23, 4709-4717.	2.6	9
1236	A comparative study on the interaction of gold nanoparticles with trypsin and pepsin: thermodynamic perspectives. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
1237	Carbon-Based Nanomaterials for Targeted Drug and Gene Delivery Systems. <i>Nanotechnology in the Life Sciences</i> , 2022, , 455-488.	0.4	1
1238	Overview of Physicochemical Properties of Nanoparticles as Drug Carriers for Targeted Cancer Therapy. <i>Journal of Functional Biomaterials</i> , 2022, 13, 196.	1.8	18

#	ARTICLE	IF	CITATIONS
1239	Studying the Interaction Behavior of Protein Coronated Gold Nanorods with Polystyrene Nanoplastics. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
1240	PEGylated Strontium Sulfite Nanoparticles with Spontaneously Formed Surface-Embedded Protein Corona Restrict Off-Target Distribution and Accelerate Breast Tumour-Selective Delivery of siRNA. <i>Journal of Functional Biomaterials</i> , 2022, 13, 211.	1.8	1
1241	Hydroxyapatite nanoparticles-cell interaction: New approaches to disclose the fate of membrane-bound and internalised nanoparticles. , 2022, 142, 213148.		10
1243	Quantitative comparison of the protein corona of nanoparticles with different matrices. <i>International Journal of Pharmaceutics: X</i> , 2022, 4, 100136.	1.2	1
1244	A decade of the liposome-protein corona: Lessons learned and future breakthroughs in theranostics. <i>Nano Today</i> , 2022, 47, 101657.	6.2	9
1245	Interactions of nanomaterials with cell signalling systems – Focus on purines-mediated pathways. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 220, 112919.	2.5	4
1246	Chapter 17. Study on the Behaviour and Toxicology of Nanomaterials by Synchrotron Radiation Technology. <i>Chemistry in the Environment</i> , 2022, , 414-449.	0.2	0
1247	Chapter 6. The Composition of the Eco-corona Acquired by Micro- and Nanoscale Plastics Impacts on their Ecotoxicity and Interactions with Co-pollutants. <i>Chemistry in the Environment</i> , 2022, , 132-155.	0.2	1
1248	A combined computational and experimental approach predicts thrombin adsorption to zeolites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2023, 221, 113007.	2.5	4
1249	Green Hydrogel Synthesis: Emphasis on Proteomics and Polymer Particle-Protein Interaction. <i>Polymers</i> , 2022, 14, 4755.	2.0	10
1250	Biodistribution and Toxicological Effects of Ultra-Small Pt Nanoparticles Deposited on Au Nanorods (Au@Pt NRs) in Mice with Intravenous Injection. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 5339-5351.	3.3	0
1251	Polymeric nanomedicines for the treatment of hepatic diseases. <i>Journal of Nanobiotechnology</i> , 2022, 20, .	4.2	10
1252	Influences of protein-corona on stability and aggregation kinetics of Ti3C2Tx nanosheets in aquatic environment. <i>Environmental Research</i> , 2023, 219, 115131.	3.7	4
1253	Defined Coadsorption of Prostate Cancer Targeting Ligands and PEG on Gold Nanoparticles for Significantly Reduced Protein Adsorption in Cell Media. <i>Journal of Physical Chemistry C</i> , 2022, 126, 20594-20604.	1.5	4
1254	Shiga Toxin-B Targeted Gold Nanorods for Local Photothermal Treatment in Oral Cancer Clinical Samples. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 5747-5760.	3.3	8
1255	Biological Features of Nanoparticles: Protein Corona Formation and Interaction with the Immune System. <i>Pharmaceutics</i> , 2022, 14, 2605.	2.0	15
1256	Toxicokinetics, dose-response, and risk assessment of nanomaterials: Methodology, challenges, and future perspectives. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, .	3.3	10
1257	Bridging the <i>In Vitro</i> to <i>In Vivo</i> gap: Using the Chick Embryo Model to Accelerate Nanoparticle Validation and Qualification for <i>In Vivo</i> studies. <i>ACS Nano</i> , 2022, 16, 19626-19650.	7.3	5

#	ARTICLE	IF	CITATIONS
1259	The Role of Nanotechnology in Spinal Cord Tumors. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 193-207.	0.8	0
1260	Advanced strategies to evade the mononuclear phagocyte system clearance of nanomaterials. <i>Exploration</i> , 2023, 3, .	5.4	19
1261	Are We There Yet? Intracellular Sensing with Luminescent Nanoparticles and FRET. <i>Analytical Chemistry</i> , 0, , .	3.2	1
1262	Robust Construction of Supersmall Zwitterionic Micelles Based on Hyperbranched Polycarbonates Mediates High Tumor Accumulation. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 2725-2736.	4.0	3
1263	An integrative method for evaluating the biological effects of nanoparticle-protein corona. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2023, 1867, 130300.	1.1	1
1264	Microwave-Assisted Synthesis of Luminescent Carbonaceous Nanoparticles as Silkworm Feed for Fabricating Fluorescent Silkworm Silk. <i>Coatings</i> , 2023, 13, 31.	1.2	1
1265	Drug Transport via Nanocarrier for Liver Cancer Treatment. , 0, , .		1
1267	Oxidized Graphene Alleviates Benzo[<i>a</i>]pyrene-Induced Cytotoxicity by Suppressing Mitochondrial Apoptosis Pathways. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 1917-1927.	3.2	2
1268	Parenteral Lipid-Based Nanoparticles for CNS Disorders: Integrating Various Facets of Preclinical Evaluation towards More Effective Clinical Translation. <i>Pharmaceutics</i> , 2023, 15, 443.	2.0	5
1269	Natural Biopolymers as Smart Coating Materials of Mesoporous Silica Nanoparticles for Drug Delivery. <i>Pharmaceutics</i> , 2023, 15, 447.	2.0	13
1270	Passive, active and endogenous organ-targeted lipid and polymer nanoparticles for delivery of genetic drugs. <i>Nature Reviews Materials</i> , 2023, 8, 282-300.	23.3	88
1271	Atomistic simulation of biological molecules interacting with nanomaterials. , 2023, , 225-269.		1
1272	Biotransformation, multifunctional recycling mechanism of nanostructures, and evaluation of the safety of nanoscale materials. <i>Particuology</i> , 2023, 82, 76-86.	2.0	0
1273	Principles of Nanoparticle Delivery to Solid Tumors. <i>BME Frontiers</i> , 2023, 4, .	2.2	22
1274	Insulin Activation Mediated by Uptake Mechanisms: A Comparison of the Behavior between Polymer Nanoparticles and Extracellular Vesicles in 3D Liver Tissues. <i>Biomacromolecules</i> , 0, , .	2.6	1
1275	Tuning the Microstructure of Protein Corona by Nanoparticle Hydrophobicity: A Dissipative Particle Dynamics Study. <i>Chemistry Letters</i> , 2023, 52, 242-245.	0.7	1
1276	Protein adsorption determines pulmonary cell uptake of lipid-based nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2023, 641, 36-47.	5.0	10
1277	Prominent enhancement of peptide-mediated targeting efficiency for human hepatocellular carcinomas with composition-engineered protein corona on gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, 662, 131016.	2.3	2

#	ARTICLE	IF	CITATIONS
1278	Interaction of Polystyrene Nanoparticles with Supported Lipid Bilayers: Impact of Nanoparticle Size and Protein Corona. <i>Macromolecular Bioscience</i> , 2023, 23, .	2.1	1
1279	Advanced Drug Delivery Systems for Renal Disorders. <i>Gels</i> , 2023, 9, 115.	2.1	6
1280	On the Sensitivity and Affinity of Gold, Silver, and Platinum Surfaces against the SARS-CoV-2 Virus: A Comparative Computational Study. <i>Journal of Chemical Information and Modeling</i> , 2023, 63, 1276-1292.	2.5	0
1281	Differences in protein distribution, conformation, and dynamics in hard and soft coronas: dependence on protein and particle electrostatics. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 7496-7507.	1.3	1
1282	Understanding ligand-protected noble metal nanoclusters at work. <i>Nature Reviews Materials</i> , 2023, 8, 372-389.	23.3	40
1284	Drug-Loading Content Influences Cellular Uptake of Polymer-Coated Nanocellulose. <i>Molecular Pharmaceutics</i> , 2023, 20, 2017-2028.	2.3	1
1285	The power of super-resolution microscopy in modern biomedical science. <i>Advances in Colloid and Interface Science</i> , 2023, 314, 102880.	7.0	4
1286	Single Molecule Protein Segments Sequencing by a Plasmonic Nanopore. <i>Nano Letters</i> , 2023, 23, 2800-2807.	4.5	7
1287	Probing emergence of biomolecular coronas around drug-loaded liposomal nanoparticles in the solution by using nanoparticle tracking analysis. <i>Bulletin of the Korean Chemical Society</i> , 2023, 44, 551-557.	1.0	3
1288	Green-synthesized metallic nanoparticles for antimicrobial applications. , 2023, , 297-338.		5
1289	P22-Based Nanovaccines against Enterohemorrhagic Escherichia coli. <i>Microbiology Spectrum</i> , 2023, 11, .	1.2	4
1290	Self-Assembled Carrier-Free Nanodrugs for Starvation Therapy-Amplified Photodynamic Therapy of Cancer. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	6
1291	Characterization of the Protein Corona of Three Chairside Hemoderivatives on Melt Electrowritten Polycaprolactone Scaffolds. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6162.	1.8	0
1293	Insight into the Lysozyme-Induced Aggregation of Aromatic Amino Acid-Functionalized Gold Nanoparticles: Impact of the Protein Conjugation and Lipid Corona on the Aggregation Phenomena. <i>Langmuir</i> , 2023, 39, 4881-4894.	1.6	4
1294	Interfacing manganese-based carbonaceous nanocomposites with plasma components: insights on protein interaction, structure and opsonization. <i>Journal of Biomolecular Structure and Dynamics</i> , 2024, 42, 687-695.	2.0	0
1295	Lysine-Derived Charge-Altering Releasable Transporters: Targeted Delivery of mRNA and siRNA to the Lungs. <i>Bioconjugate Chemistry</i> , 0, , .	1.8	2
1296	Unusual Surface Coagulation Activation Patterns of Crystalline and Amorphous Silicate-Based Biomaterials. <i>Advanced Healthcare Materials</i> , 2023, 12, .	3.9	2
1297	Mechanistic Understanding of Protein Corona Formation around Nanoparticles: Old Puzzles and New Insights. <i>Small</i> , 2023, 19, .	5.2	13

#	ARTICLE	IF	CITATIONS
1298	Protein corona and exosomes: new challenges and prospects. <i>Cell Communication and Signaling</i> , 2023, 21, .	2.7	12
1299	Reversible zwitterionic coordination enables rapid, high-yield, and high-purity isolation of extracellular vesicles from biofluids. <i>Science Advances</i> , 2023, 9, .	4.7	8
1300	Tailor-made nanocargoes as promising tool for brain targeting: Modulated approaches with better therapeutic outcomes. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 84, 104466.	1.4	0
1311	Engineered Nano-“Bio Interfaces for Stem Cell Therapy. , 2023, 1, 341-356.		1
1324	Magnetic hyperthermia. , 2023, , 185-226.		0
1326	Ecotoxicological significance of bio-corona formation on micro/nanoplastics in aquatic organisms. <i>RSC Advances</i> , 2023, 13, 22905-22917.	1.7	1
1341	Competition of opsonins and dysopsonins on the nanoparticle surface. <i>Nanoscale</i> , 2023, 15, 17342-17349.	2.8	1
1345	“Passive” nanoparticles for organ-selective systemic delivery: design, mechanism and perspective. <i>Chemical Society Reviews</i> , 2023, 52, 7579-7601.	18.7	5
1353	Drug Delivery Systems: Lipid Nanoparticles Technology in Clinic. , 2023, , 181-200.		0
1358	Nano-“eco interactions: a crucial principle for nanotoxicity evaluation. <i>Environmental Science: Nano</i> , 2023, 10, 3253-3270.	2.2	1
1360	Advances in biomedical systems based on microneedles: design, fabrication, and application. <i>Biomaterials Science</i> , 0, , .	2.6	0
1365	An updated landscape on nanotechnology-based drug delivery, immunotherapy, vaccinations, imaging, and biomarker detections for cancers: recent trends and future directions with clinical success. , 2023, 18, .		0
1372	Biocompatibility of Nanomedicines and Relation with Protein Corona. <i>Recent Advances in Biotechnology</i> , 2023, , 296-316.	0.1	0
1373	Quantum Nanoscience in Targeted Drug Delivery. <i>Advances in Medical Diagnosis, Treatment, and Care</i> , 2023, , 249-276.	0.1	0
1379	The mechanisms of nanoparticle delivery to solid tumours. , 2024, 2, 201-213.		0