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Protein corona composition of superparamagnetic iron oxide nanoparticles with various physico-chemical properties and coatings

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#	Paper	IF	Citations
182	Visible light optical coherence correlation spectroscopy. 2014 , 22, 21944-57		6
181	Reduced astrocyte viability at physiological temperatures from magnetically activated iron oxide nanoparticles. 2014 , 27, 2023-35		11
180	Aqueous stabilisation of carbon-encapsulated superparamagnetic iron nanoparticles for biomedical applications. 2014 , 43, 13764-75		9
179	Ex situ evaluation of the composition of protein corona of intravenously injected superparamagnetic nanoparticles in rats. <i>Nanoscale</i> , 2014 , 6, 11439-50	7.7	88
178	Biomolecular corona on nanoparticles: a survey of recent literature and its implications in targeted drug delivery. 2014 , 2, 108		87
177	Zeolite Nanoparticles for Selective Sorption of Plasma Proteins. <i>Scientific Reports</i> , 2015 , 5, 17259	4.9	34
176	Fundamentals and advances in magnetic hyperthermia. 2015 , 2, 041302		469
175	Silver nanoparticle protein corona and toxicity: a mini-review. 2015 , 13, 55		191
174	Casein-Coated Fe ₃ O ₄ Nanoparticles with Superior r ₂ Relaxivity for Liver-Specific Magnetic Resonance Imaging. 2015 , 5, 1225-32		30
173	New findings about iron oxide nanoparticles and their different effects on murine primary brain cells. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2033-49	7.3	16
172	A Genetically Modified Tobacco Mosaic Virus that can Produce Gold Nanoparticles from a Metal Salt Precursor. 2015 , 6, 984		23
171	Polymer Adsorption on Iron Oxide Nanoparticles for One-Step Amino-Functionalized Silica Encapsulation. 2015 , 2015, 1-6		9
170	Cell type-dependent changes in CdSe/ZnS quantum dot uptake and toxic endpoints. <i>Toxicological Sciences</i> , 2015 , 144, 246-58	4.4	47
169	Implications of protein corona on physico-chemical and biological properties of magnetic nanoparticles. 2015 , 46, 1-12		121
168	The nanoparticle biomolecule corona: lessons learned - challenge accepted?. 2015 , 44, 6094-121		427
167	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. 2015 , 44, 8174-99		230
166	Temperature-Triggered Protein Adsorption on Polymer-Coated Nanoparticles in Serum. 2015 , 31, 8873-81		45

165	Disease specific protein corona. 2015,		6
164	An ultrastable conjugate of silver nanoparticles and protein formed through weak interactions. <i>Nanoscale</i> , 2015 , 7, 12921-31	7-7	32
163	Enhanced Raman sensitivity and magnetic separation for urolithiasis detection using phosphonic acid-terminated FeO nanoclusters. 2015 , 3, 4282-4290		19
162	A hierarchical porous bowl-like PLA@MSNs-COOH composite for pH-dominated long-term controlled release of doxorubicin and integrated nanoparticle for potential second treatment. 2015 , 16, 1131-45		29
161	Evaluation of multilayer coated magnetic nanoparticles as biocompatible curcumin delivery platforms for breast cancer treatment. 2015 , 5, 88096-88107		35
160	Toxicity of engineered metal oxide nanomaterials mediated by nanoBioCoInteractions: a review and perspective. 2015 , 2, 564-582		84
159	Protein Adsorption From Biofluids on Silica Nanoparticles: Corona Analysis as a Function of Particle Diameter and Porosity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21682-9	9-5	65
158	In vivo delivery, pharmacokinetics, biodistribution and toxicity of iron oxide nanoparticles. 2015 , 44, 8576-607		506
157	Impact of surface coating and food-mimicking media on nanosilver-protein interaction. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2-3	29
156	Significance of surface charge and shell material of superparamagnetic iron oxide nanoparticle (SPION) based core/shell nanoparticles on the composition of the protein corona. 2015 , 3, 265-78		102
155	Magnetic Properties of Polyvinyl Alcohol and Doxorubicine Loaded Iron Oxide Nanoparticles for Anticancer Drug Delivery Applications. <i>PLoS ONE</i> , 2016 , 11, e0158084	3-7	54
154	Controlling the Stealth Effect of Nanocarriers through Understanding the Protein Corona. 2016 , 55, 8806-15		154
153	Die Steuerung des Stealth-Effekts von Nanoträgern durch das Verständnis der Proteinkorona. 2016 , 128, 8950-8959		9
152	Dual nano-sized contrast agents in PET/MRI: a systematic review. 2016 , 11, 428-447		27
151	Regulation of Macrophage Recognition through the Interplay of Nanoparticle Surface Functionality and Protein Corona. 2016 , 10, 4421-30		197
150	Pre-coating with protein fractions inhibits nano-carrier aggregation in human blood plasma. 2016 , 6, 96495-96509		27
149	Characterisation of the protein corona using tunable resistive pulse sensing: determining the change and distribution of a particle's surface charge. 2016 , 408, 5757-5768		45
148	Interaction of Carbon Nanomaterials and Components in Biological Systems. 2016 , 97-130		1

147	Co-precipitation of DEAE-dextran coated SPIONs: how synthesis conditions affect particle properties, stem cell labelling and MR contrast. 2016 , 11, 362-370		18
146	Zwitterionic Polymer-Coated Ultrasmall Superparamagnetic Iron Oxide Nanoparticles with Low Protein Interaction and High Biocompatibility. 2016 , 2, 959-971		21
145	Iron overload by Superparamagnetic Iron Oxide Nanoparticles is a High Risk Factor in Cirrhosis by a Systems Toxicology Assessment. <i>Scientific Reports</i> , 2016 , 6, 29110	4.9	34
144	The impact of nanoparticle protein corona on cytotoxicity, immunotoxicity and target drug delivery. 2016 , 11, 81-100		368
143	Effect of protein corona magnetite nanoparticles derived from bread in vitro digestion on Caco-2 cells morphology and uptake. 2016 , 75, 212-22		49
142	In vivo degeneration and the fate of inorganic nanoparticles. 2016 , 45, 2440-57		289
141	Exosome-inspired targeting of cancer cells with enhanced affinity. 2016 , 4, 768-778		10
140	Magnetic nanoparticles in different biological environments analyzed by magnetic particle spectroscopy. 2017 , 427, 133-138		17
139	Iron oxide nanoparticles modulate heat shock proteins and organ specific markers expression in mice male accessory organs. 2017 , 317, 12-24		21
138	Zwitterionic Modification of Ultrasmall Iron Oxide Nanoparticles for Reduced Protein Corona Formation. 2017 , 82, 638-646		13
137	Human CD64-targeted non-viral siRNA delivery system for blood monocyte gene modulation. <i>Scientific Reports</i> , 2017 , 7, 42171	4.9	5
136	Methods of protein corona isolation for magnetic nanoparticles. <i>Analyst, The</i> , 2017 , 142, 3805-3815	5	29
135	Comparisons of the biodistribution and toxicological examinations after repeated intravenous administration of silver and gold nanoparticles in mice. <i>Scientific Reports</i> , 2017 , 7, 3303	4.9	127
134	Extra- and intra-cellular fate of nanocarriers under dynamic interactions with biology. 2017 , 14, 84-99		34
133	Protein corona and nanoparticles: how can we investigate on?. 2017 , 9, e1467		68
132	Effects of chronic dietary exposure of zinc oxide nanoparticles on the serum protein profile of juvenile common carp (<i>Cyprinus carpio</i> L.). <i>Science of the Total Environment</i> , 2017 , 579, 1504-1511	10.2	51
131	Tuning the Multifunctionality of Iron Oxide Nanoparticles Using Self-Assembled Mixed Lipid Layers. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2729-2736	6.3	4
130	In-vitro in-vivo correlation (IVIVC) in nanomedicine: Is protein corona the missing link?. 2017 , 35, 889-904		63

129	Plasma protein adsorption and biological identity of systemically administered nanoparticles. 2017 , 12, 2113-2135		50
128	Evolution and Clinical Translation of Drug Delivery Nanomaterials. 2017 , 15, 91-106		143
127	The timeline of corona formation around silica nanocarriers highlights the role of the protein interactome. <i>Nanoscale</i> , 2017 , 9, 1840-1851	7.7	45
126	Characterization of polymeric nanoparticles for intravenous delivery: Focus on stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 150, 326-333	6	16
125	Folate-Binding Protein Self-Aggregation Drives Agglomeration of Folic Acid Targeted Iron Oxide Nanoparticles. <i>Bioconjugate Chemistry</i> , 2017 , 28, 81-87	6.3	11
124	For Better or Worse, Iron Overload by Superparamagnetic Iron Oxide Nanoparticles as a MRI Contrast Agent for Chronic Liver Diseases. 2017 , 30, 73-80		24
123	Processing and strengthening of 58S bioactive glass-infiltrated titania scaffolds. 2017 , 105, 590-600		16
122	How protein coronas determine the fate of engineered nanoparticles in biological environment. 2017 , 68, 245-253		21
121	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 , 12, 2001-2019	7.3	36
120	Molecular signalling mechanisms of host-materials interactions. 2017 , 101-118		
119	Biomolecular Corona Dictates AFibrillation Process. 2018 , 9, 1725-1734		20
118	Evaluation of a novel biocompatible magnetic nanomedicine based on beta-cyclodextrin, loaded doxorubicin-curcumin for overcoming chemoresistance in breast cancer. 2018 , 46, 207-216		25
117	Protein extraction and cytotoxicity abilities of colloidal gold-coated silica hybrid nanoparticles. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	1
116	Nanocarrier Composed of Magnetite Core Coated with Three Polymeric Shells Mediates LCS-1 Delivery for Synthetic Lethal Therapy of BLM-Defective Colorectal Cancer Cells. 2018 , 19, 803-815		23
115	Superparamagnetic Iron Oxide Nanoparticles Stabilized with Multidentate Block Copolymers for Optimal Vascular Contrast in T1-Weighted Magnetic Resonance Imaging. 2018 , 1, 894-907		18
114	Protein corona of airborne nanoscale PM2.5 induces aberrant proliferation of human lung fibroblasts based on a 3D organotypic culture. <i>Scientific Reports</i> , 2018 , 8, 1939	4.9	8
113	Fucoidan Prolongs the Circulation Time of Dextran-Coated Iron Oxide Nanoparticles. 2018 , 12, 1156-1169		53
112	MiRNA extraction from cell-free biofluid using protein corona formed around carboxyl magnetic nanoparticles. 2018 , 4, 654-662		10

111	Gold nanoparticle should understand protein corona for being a clinical nanomaterial. <i>Journal of Controlled Release</i> , 2018 , 272, 39-53	11.7	80
110	Synthesis and Characterisation of Magnetic Nanoparticles in Medicine. 2018 , 413-442		8
109	Impact of Anti-Biofouling Surface Coatings on the Properties of Nanomaterials and Their Biomedical Applications. 2018 , 6, 9-24		43
108	Synergetic effect of polyethylene glycol-grafted chitosan and bovine serum albumin on colloidal stability of polyelectrolyte nanocapsules. 2018 , 539, 69-79		11
107	Curcumin-lipoic acid conjugate as a promising anticancer agent on the surface of gold-iron oxide nanocomposites: A pH-sensitive targeted drug delivery system for brain cancer theranostics. 2018 , 114, 175-188		53
106	PET-MR and SPECT-MR multimodality probes: Development and challenges. 2018 , 8, 6210-6232		37
105	Protein Corona Formation on Magnetic Nanoparticles Conjugated with Luminescent Europium Complexes. 2018 , 4, 1202-1208		6
104	Protein Corona Formed from Different Blood Plasma Proteins Affects the Colloidal Stability of Nanoparticles Differently. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3923-3934	6.3	33
103	Multidentate Block Copolymer Stabilization: A Versatile Strategy for Colloidal Superparamagnetic Iron Oxide Nanoparticles Exhibiting Excellent Colloidal Stability and Enhanced Positive MRI Visualization. 2018 , 107-128		
102	A nanoinformatics decision support tool for the virtual screening of gold nanoparticle cellular association using protein corona fingerprints. <i>Nanotoxicology</i> , 2018 , 12, 1148-1165	5.3	29
101	Beyond Global Charge: Role of Amine Bulkiness and Protein Fingerprint on Nanoparticle-Cell Interaction. <i>Small</i> , 2018 , 14, e1802088	11	11
100	Coating Dependent In Vitro Biocompatibility of New Fe-Si Nanoparticles. <i>Nanomaterials</i> , 2018 , 8,	5.4	5
99	Transition Metal Ion (Mn, Fe, Co, and Ni)-Doped Carbon Dots Synthesized via Microwave-Assisted Pyrolysis: A Potential Nanoprobe for Magneto-fluorescent Dual-Modality Bioimaging. 2018 , 4, 2582-2596		56
98	Activatable fluorescence imaging of macrophages in atherosclerotic plaques using iron oxide nanoparticles conjugated with indocyanine green. 2018 , 275, 1-10		9
97	Nanoparticle-proteome in vitro and in vivo. 2018 , 6, 6026-6041		16
96	Nervous System Injury in Response to Contact With Environmental, Engineered and Planetary Micro- and Nano-Sized Particles. 2018 , 9, 728		27
95	Multiparametric Preclinical Assessment of Theranostics Materials. 2018 , 517-535		1
94	Dynamic analysis of the interactions between Si/SiO quantum dots and biomolecules for improving applications based on nano-bio interfaces. <i>Scientific Reports</i> , 2018 , 8, 5289	4.9	15

93	Toxicological Risk Assessment of Emerging Nanomaterials: Cytotoxicity, Cellular Uptake, Effects on Biogenesis and Cell Organelle Activity, Acute Toxicity and Biodistribution of Oxide Nanoparticles. 2018,		9
92	Targeted Nanoparticle Binding to Hydroxyapatite in a High Serum Environment for Early Detection of Heart Disease. 2018, 1, 4927-4939		4
91	Beyond Unpredictability: The Importance of Reproducibility in Understanding the Protein Corona of Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018, 29, 3385-3393	6.3	20
90	Formation of a protein corona influences the biological identity of nanomaterials. 2018, 23, 300-308		45
89	Maghemite nanoparticles stabilize the protein corona formed with transferrin presenting different iron-saturation levels. <i>Nanoscale</i> , 2019, 11, 16063-16070	7.7	13
88	Effect of Iron Oxide Nanoparticles on the Oxidation and Secondary Structure of Growth Hormone. 2019, 108, 3372-3381		5
87	Biomaterial Surface Hydrophobicity-Mediated Serum Protein Adsorption and Immune Responses. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27615-27623	9.5	54
86	Effects of PEGylation on capture of dextran-coated magnetic nanoparticles in microcirculation. <i>International Journal of Nanomedicine</i> , 2019, 14, 4767-4780	7.3	11
85	A human whole-blood model to study the activation of innate immunity system triggered by nanoparticles as a demonstrator for toxicity. 2019, 20, 688-698		12
84	On the formation of protein corona on colloidal nanoparticles stabilized by depletant polymers. 2019, 105, 110080		7
83	Magnetic nanoparticles-loaded liposomes as a novel treatment agent for iron deficiency anemia: In vivo study. 2019, 234, 116787		13
82	Metabolomics reveals the role of acetyl-L-carnitine metabolism in FeO NP-induced embryonic development toxicity via mitochondria damage. <i>Nanotoxicology</i> , 2019, 13, 204-220	5.3	12
81	Biodistribution and toxickinetic variances of chemical and green Copper oxide nanoparticles in vitro and in vivo. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 55, 154-169	4.1	13
80	Laser irradiation affects the biological identity and cellular uptake of plasmonic nanoparticles. <i>Nanoscale</i> , 2019, 11, 5974-5981	7.7	7
79	Plasma protein adsorption on FeO-PEG nanoparticles activates the complement system and induces an inflammatory response. <i>International Journal of Nanomedicine</i> , 2019, 14, 2055-2067	7.3	20
78	Biodistribution and targeting properties of iron oxide nanoparticles for treatments of cancer and iron anemia disease. <i>Nanotoxicology</i> , 2019, 13, 573-596	5.3	40
77	Superparamagnetic Iron Oxide Nanoparticles-Current and Prospective Medical Applications. <i>Materials</i> , 2019, 12,	3.5	197
76	Interaction between natural magnetite sub-micrometric particles and the <i>Fasciola hepatica</i> egg: The role of the exposed surface area. <i>Experimental Parasitology</i> , 2019, 199, 59-66	2.1	1

75	Sustainable Nanostructural Materials for Tissue Engineering. 2019 , 75-100		
74	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	9.5	30
73	On the effect of ligand shell heterogeneity on nanoparticle/protein binding thermodynamics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 174, 367-373	6	20
72	Immunoglobulin deposition on biomolecule corona determines complement opsonization efficiency of preclinical and clinical nanoparticles. <i>Nature Nanotechnology</i> , 2019 , 14, 260-268	28.7	130
71	Cell-Promoted Nanoparticle Aggregation Decreases Nanoparticle-Induced Hyperthermia under an Alternating Magnetic Field Independently of Nanoparticle Coating, Core Size, and Subcellular Localization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 340-355	9.5	27
70	Layer-by-layer films of polysaccharides modified with polyethylene glycol and dextran. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 173, 412-420	6	11
69	Recent pros and cons of nanomaterials in drug delivery systems. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 1090-1100	3	2
68	How well can we characterize human serum transformations of magnetic nanoparticles?. <i>Analyst, The</i> , 2020 , 145, 1103-1109	5	5
67	Understanding the influence of experimental factors on bio-interactions of nanoparticles: Towards improving correlation between in vitro and in vivo studies. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 694, 108592	4.1	2
66	Review on magnetic nanoparticle-mediated hyperthermia for cancer therapy. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	26
65	A non-classical route of efficient plant uptake verified with fluorescent nanoparticles and root adhesion forces investigated using AFM. <i>Scientific Reports</i> , 2020 , 10, 19233	4.9	7
64	Comparative study on formation of protein coronas under three different serum origins. <i>Biointerphases</i> , 2020 , 15, 061002	1.8	4
63	A Novel Nanoproteomic Approach for the Identification of Molecular Targets Associated with Thyroid Tumors. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
62	The Biomolecular Corona of Lipid Nanoparticles for Gene Therapy. <i>Bioconjugate Chemistry</i> , 2020 , 31, 2046-2059	6.3	30
61	Applications of superparamagnetic iron oxide nanoparticles in drug and therapeutic delivery, and biotechnological advancements. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 1092-1109	3	19
60	Preparation of the protein corona: How washing shapes the proteome and influences cellular uptake of nanocarriers. <i>Acta Biomaterialia</i> , 2020 , 114, 333-342	10.8	4
59	Tailoring Iron Oxide Nanoparticles for Efficient Cellular Internalization and Endosomal Escape. <i>Nanomaterials</i> , 2020 , 10,	5.4	12
58	Magnetic Fluid Hyperthermia Based on Magnetic Nanoparticles: Physical Characteristics, Historical Perspective, Clinical Trials, Technological Challenges, and Recent Advances. <i>Advanced Therapeutics</i> , 2020 , 3, 2000061	4.9	31

57	Relating polymeric microparticle formulation to prevalence or distribution of fibronectin and poly-d-lysine to support mesenchymal stem cell growth. <i>Biointerphases</i> , 2020 , 15, 041008	1.8	2
56	In vitro Biological Tests as the First Tools To Validate Magnetic Nanotheranostics for Colorectal Cancer Models. <i>ChemMedChem</i> , 2020 , 15, 1003-1017	3.7	4
55	Surface Modification of Spider Silk Particles to Direct Biomolecular Corona Formation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24635-24643	9.5	7
54	Analysing the nanoparticle-protein corona for potential molecular target identification. <i>Journal of Controlled Release</i> , 2020 , 322, 122-136	11.7	18
53	Quantitative investigation of the interaction between proteins and charged functional groups on the polyglycerol-grafted nanodiamond surface. <i>Carbon</i> , 2020 , 163, 395-401	10.4	11
52	Biomedical applications of magnetic nanoparticles. 2020 , 301-328		3
51	The Effect of Silver Nanoparticles on Antioxidant/Pro-Oxidant Balance in a Murine Model. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	38
50	Bioevaluation of superparamagnetic iron oxide nanoparticles (SPIONs) functionalized with dihexadecyl phosphate (DHP). <i>Scientific Reports</i> , 2020 , 10, 2725	4.9	17
49	Mechanisms for cellular uptake of nanosized clinical MRI contrast agents. <i>Nanotoxicology</i> , 2020 , 14, 504-532	5.32	11
48	Effects of Nanoparticle Electrostatics and Protein-Protein Interactions on Corona Formation: Conformation and Hydrodynamics. <i>Small</i> , 2020 , 16, e1906598	11	20
47	Anti-Platelet Effect Induced by Iron Oxide Nanoparticles: Correlation with Conformational Change in Fibrinogen. <i>Small</i> , 2021 , 17, e2004945	11	2
46	Heparin length in the coating of extremely small iron oxide nanoparticles regulates theranostic applications. <i>Nanoscale</i> , 2021 , 13, 842-861	7.7	3
45	Tailoring patchy nanoparticle design to modulate serum albumin adsorption and membrane interaction. <i>Soft Matter</i> , 2021 , 17, 2071-2080	3.6	0
44	Enzyme-Nanoparticle Corona: A Novel Approach, Their Plausible Applications and Challenges. 2021 , 175-199		
43	In vivo protein corona on nanoparticles: does the control of all material parameters orient the biological behavior?. <i>Nanoscale Advances</i> , 2021 , 3, 1209-1229	5.1	18
42	Immobilization of PETase enzymes on magnetic iron oxide nanoparticles for the decomposition of microplastic PET. <i>Nanoscale Advances</i> , 2021 , 3, 4395-4399	5.1	4
41	Site-Specific Introduction of Negative Charges on the Protein Surface for Improving Global Functions of Recombinant Fetal Hemoglobin. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 649007	5.6	1
40	Bio-nano interactions: binding proteins, polysaccharides, lipids and nucleic acids onto magnetic nanoparticles. <i>Biomaterials Research</i> , 2021 , 25, 12	16.8	20

39	Synthesis of Fe@C nanoparticles containing sulfo groups on their surfaces and study of their aggregation behavior in aqueous media. <i>Russian Chemical Bulletin</i> , 2021 , 70, 722-731	1.7	0
38	Pre-coating of protein modulate patterns of corona formation, physiological stability and cytotoxicity of silver nanoparticles. <i>Science of the Total Environment</i> , 2021 , 772, 144797	10.2	7
37	Iron Oxide Nanoparticles in Bioimaging - An Immune Perspective. <i>Frontiers in Immunology</i> , 2021 , 12, 688927	9.7	12
36	Aspects of high-performance and bio-acceptable magnetic nanoparticles for biomedical application.. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 704-737	9	11
35	Progress and prospects of magnetic iron oxide nanoparticles in biomedical applications: A review. <i>Artificial Organs</i> , 2021 , 45, 1272-1299	2.6	8
34	Research progress and application opportunities of nanoparticle-protein corona complexes. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 139, 111541	7.5	3
33	Nanotechnology for Targeted Detection and Removal of Bacteria: Opportunities and Challenges. <i>Advanced Science</i> , 2021 , 8, e2100556	13.6	7
32	Assessing the Biocompatibility of Multi-Anchored Glycoconjugate Functionalized Iron Oxide Nanoparticles in a Normal Human Colon Cell Line CCD-18Co. <i>Nanomaterials</i> , 2021 , 11,	5.4	0
31	CHAPTER 5:Inorganic Nanocrystals and Biointerfaces. <i>RSC Nanoscience and Nanotechnology</i> , 2021 , 161-208		
30	Proteomics Analysis Reveals Distinct Corona Composition on Magnetic Nanoparticles with Different Surface Coatings: Implications for Interactions with Primary Human Macrophages. <i>PLoS ONE</i> , 2015 , 10, e0129008	3.7	52
29	Relating the Surface Properties of Superparamagnetic Iron Oxide Nanoparticles (SPIONs) to Their Bactericidal Effect towards a Biofilm of Streptococcus mutans. <i>PLoS ONE</i> , 2016 , 11, e0154445	3.7	31
28	Impact of Protein Corona on the Biological Identity of Nanomedicine: Understanding the Fate of Nanomaterials in the Biological Milieu. <i>Biomedicines</i> , 2021 , 9,	4.8	4
27	Electron Spin Resonance (ESR) Study of Human Blood and Its Interaction with Magnetite Nanoparticles. 2019 , 1-22		
26	Stromal Barriers Within the Tumor Microenvironment and Obstacles to Nanomedicine. 2019 , 57-89		0
25	Protein Nanoparticle Interactions and Factors Influencing These Interactions. 2021 , 187-223		
24	Charge-Modulated Synthesis of Highly Stable Iron Oxide Nanoparticles for In Vitro and In Vivo Toxicity Evaluation. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
23	Serum Albumin for Magnetic Nanoparticles Coating. <i>Magnetochemistry</i> , 2022 , 8, 13	3.1	10
22	The Intracellular and Extracellular Microenvironment of Tumor Site: The Trigger of Stimuli-Responsive Drug Delivery Systems.. <i>Small Methods</i> , 2022 , e2101437	12.8	7

21	Iron Oxide Nanoparticles-loaded Hyaluronic Acid Nanogels for MRI-aided Alzheimer's disease Theranostics. <i>Arabian Journal of Chemistry</i> , 2022 , 103748	5.9	1
20	Performance of nanoparticles for biomedical applications: The in vitro/in vivo discrepancy. <i>Biophysics Reviews</i> , 2022 , 3, 011303	2.6	1
19	The Protein Interactome of a Nanoparticle Population in Whole Cytoplasm under Near-Native Conditions: A Pilot Study. <i>Particle and Particle Systems Characterization</i> , 2100283	3.1	0
18	Cyclic Strain Mitigates Nanoparticle Internalization by Vascular Smooth Muscle Cells.. <i>International Journal of Nanomedicine</i> , 2022 , 17, 969-981	7.3	0
17	Toxicological Aspects of Iron Oxide Nanoparticles.. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1357, 303-350	3.6	0
16	Impact of surface chemistry of ultrasmall superparamagnetic iron oxide nanoparticles on protein corona formation and endothelial cell uptake, toxicity, and barrier function. <i>Toxicological Sciences</i> ,	4.4	0
15	Probing the interaction of superparamagnetic iron oxide nanoparticles with lipase and their interacting consequences at the molecular level. <i>Toxicology Research</i> ,	2.6	
14	A highly efficient protein corona-based proteomic analysis strategy for the discovery of pharmacodynamic biomarkers. 2022 ,		0
13	The amount of dextran in PLGA nanocarriers modulates protein corona and promotes cell membrane damage.		0
12	Biodistribution Profile of Magnetic Nanoparticles in Cirrhosis-Associated Hepatocarcinogenesis in Rats by AC Biosusceptometry. 2022 , 14, 1907		0
11	Peptide Ligands on the PEGylated Nanoparticle Surface and Human Serum Composition Are Key Factors for the Interaction between Immune Cells and Nanoparticles. 2022 , 112981		0
10	Proteomic Analysis Reveals Distinct Protein Corona Compositions of Citrate- and Riboflavin-Coated SPIONs. 2022 , 7, 37589-37599		0
9	The Surface Charge of Polymer-Coated Upconversion Nanoparticles Determines Protein Corona Properties and Cell Recognition in Serum Solutions. 2022 , 11, 3644		0
8	Fabrication of targeted gold nanoparticle as potential contrast agent in molecular CT imaging. 2023 , 16, 100490		0
7	Characterization Challenges of Self-Assembled Polymer-SPIONs Nanoparticles: Benefits of Orthogonal Methods. 2022 , 23, 16124		2
6	Core, Coating, or Corona? The Importance of Considering Protein Coronas in nano-QSPR Modeling of Zeta Potential.		0
5	Supermagnetic Human Serum Albumin (HSA) Nanoparticles and PLGA-Based Doxorubicin Nanoformulation: A Duet for Selective Nanotherapy. 2023 , 24, 627		1
4	Unveiling the therapeutic potential of cabozantinib-loaded poly D,L-lactic-co-glycolic acid and polysarcosine nanoparticles in inducing apoptosis and cytotoxicity in human HepG2 hepatocellular carcinoma cell lines and in vivo anti-tumor activity in SCID female mice. 13,		0

- 3 Differences in protein distribution, conformation, and dynamics in hard and soft coronas: dependence on protein and particle electrostatics. **2023**, 25, 7496-7507 0
- 2 pH-Responsible Doxorubicin-Loaded Fe₃O₄@CaCO₃ Nanocomposites for Cancer Treatment. **2023**, 15, 771 1
- 1 The cell transformation assay to assess potential carcinogenic properties of nanoparticles. **2023**, 791, 108455 0