Giulio Caracciolo

List of Publications by Year
in descending order

170 papers	7,154 citations	57758 44 h-index	71685 76 g-index
173 all docs	173 docs citations	173 times ranked	7568 citing authors

#	Article	IF	Citations
1	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. Nanoscale, 2014, 6, 2782.	5.6	433
2	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. Trends in Biotechnology, 2017, 35, 257-264.	9.3	313
3	Time Evolution of Nanoparticleâ€“Protein Corona in Human Plasma: Relevance for Targeted Drug Delivery. Langmuir, 2013, 29, 6485-6494.	3.5	248
4	Very low intensity ultrasounds as a new strategy to improve selective delivery of nanoparticles-complexes in cancer cells. Journal of Experimental and Clinical Cancer Research, 2019, 38, 1.	8.6	200
5	Liposomeâ€“protein corona in a physiological environment: Challenges and opportunities for targeted delivery of nanomedicines. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 543-557.	3.3	196
6	The protein corona of circulating PEGylated liposomes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 189-196.	2.6	178
7	Interplay of protein corona and immune cells controls blood residency of liposomes. Nature Communications, 2019, 10, 3686.	12.8	160
8	The intracellular trafficking mechanism of Lipofectamine-based transfection reagents and its implication for gene delivery. Scientific Reports, 2016, 6, 25879.	3.3	158
9	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.	8.0	150
10	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. ACS Nano, 2016, 10, 3723-3737.	14.6	130
11	The biomolecular corona of nanoparticles in circulating biological media. Nanoscale, 2015, 7, 13958-13966.	5.6	127
12	Surface adsorption of protein corona controls the cell internalization mechanism of DC-Cholâ€“DOPE/DNA lipoplexes in serum. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 536-543.	2.6	124
13	Personalized liposomeâ€“protein corona in the blood of breast, gastric and pancreatic cancer patients. International Journal of Biochemistry and Cell Biology, 2016, 75, 180-187.	2.8	112
14	Stealth Effect of Biomolecular Corona on Nanoparticle Uptake by Immune Cells. Langmuir, 2015, 31, 10764-10773.	3.5	102
15	Evolution of the Protein Corona of Lipid Gene Vectors as a Function of Plasma Concentration. Langmuir, 2011, 27, 15048-15053.	3.5	101
16	Genotoxic stress modulates the release of exosomes from multiple myeloma cells capable of activating NK cell cytokine production: Role of HSP70/TLR2/NF-kB axis. OncoImmunology, 2017, 6, e1279372.	4.6	100
17	Cationic liposome/DNA complexes: from structure to interactions with cellular membranes. European Biophysics Journal, 2012, 41, 815-829.	2.2	93
18	Cholesterol-Dependent Macropinocytosis and Endosomal Escape Control the Transfection Efficiency of Lipoplexes in CHO Living Cells. Molecular Pharmaceutics, 2012, 9, 334-340.	4.6	90

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19	Influence of dynamic flow environment on nanoparticle-protein corona: From protein patterns to uptake in cancer cells. Colloids and Surfaces B: Biointerfaces, 2017, 153, 263-271.	5.0	86
20	The liposomeâ€“protein corona in mice and humans and its implications for in vivo delivery. Journal of Materials Chemistry B, 2014, 2, 7419-7428.	5.8	85
21	Lipid composition: a â€œkey factorâ€•for the rational manipulation of the liposomeâ€“protein corona by liposome design. RSC Advances, 2015, 5, 5967-5975.	3.6	77
22	A protein corona-enabled blood test for early cancer detection. Nanoscale, 2017, 9, 349-354.	5.6	77
23	Clinically approved liposomal nanomedicines: lessons learned from the biomolecular corona. Nanoscale, 2018, 10, 4167-4172.	5.6	77
24	Surface chemistry and serum type both determine the nanoparticleâ€“protein corona. Journal of Proteomics, 2015, 119, 209-217.	2.4	75
25	Nanoparticles-cell association predicted by protein corona fingerprints. Nanoscale, 2016, 8, 12755-12763.	5.6	75
26	Clinically approved PEGylated nanoparticles are covered by a protein corona that boosts the uptake by cancer cells. Nanoscale, 2017, 9, 10327-10334.	5.6	74
27	An apolipoprotein-enriched biomolecular corona switches the cellular uptake mechanism and trafficking pathway of lipid nanoparticles. Nanoscale, 2017, 9, 17254-17262.	5.6	73
28	Disease-specific protein corona sensor arrays may have disease detection capacity. Nanoscale Horizons, 2019, 4, 1063-1076.	8.0	68
29	Microfluidic manufacturing of surface-functionalized graphene oxide nanoflakes for gene delivery. Nanoscale, 2019, 11, 2733-2741.	5.6	67
30	Inclusion of a Photosensitizer in Liposomes Formed by DMPC/Gemini Surfactant:Â Correlation between Physicochemical and Biological Features of the Complexes. Journal of Medicinal Chemistry, 2005, 48, 4882-4891.	6.4	65
31	Multicomponent Cationic Lipidâ^'DNA Complex Formation:Â Role of Lipid Mixing. Langmuir, 2005, 21, 11582-11587.	3.5	65
32	Do plasma proteins distinguish between liposomes of varying charge density?. Journal of Proteomics, 2012, 75, 1924-1932.	2.4	65
33	Disease-related metabolites affect proteinâ€“nanoparticle interactions. Nanoscale, 2018, 10, 7108-7115.	5.6	61
34	Size and charge of nanoparticles following incubation with human plasma of healthy and pancreatic cancer patients. Colloids and Surfaces B: Biointerfaces, 2014, 123, 673-678.	5.0	59
35	In vivo protein corona patterns of lipid nanoparticles. RSC Advances, 2017, 7, 1137-1145.	3.6	59
36	Analytical Methods for Characterizing the Nanoparticleâ€“Protein Corona. Chromatographia, 2014, 77, 755-769.	1.3	58

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37	Mechanistic evaluation of the transfection barriers involved in lipid-mediated gene delivery: Interplay between nanostructure and composition. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 957-967.	2.6	57
38	Transfection efficiency boost by designer multicomponent lipoplexes. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2280-2292.	2.6	56
39	Brain Targeting by Liposomeâ€"Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. ACS Chemical Neuroscience, 2018, 9, 3166-3174.	3.5	53
40	Mechanistic Understanding of Gene Delivery Mediated by Highly Efficient Multicomponent Envelope-Type Nanoparticle Systems. Molecular Pharmaceutics, 2013, 10, 4654-4665.	4.6	52
41	Factors Determining the Superior Performance of Lipid/DNA/Protammine Nanoparticles over Lipoplexes. Journal of Medicinal Chemistry, 2011, 54, 4160-4171.	6.4	51
42	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. ACS Applied Materials & Interfaces, 2018, 10, 22951-22962.	8.0	51
43	Toward the Rational Design of Lipid Gene Vectors: Shape Coupling between Lipoplex and Anionic Cellular Lipids Controls the Phase Evolution of Lipoplexes and the Efficiency of DNA Release. ACS Applied Materials & Interfaces, 2009, 1, 2237-2249.	8.0	47
44	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. Chemical Reviews, 2019, 119, 11352-11390.	47.7	46
45	Structural Stability against Disintegration by Anionic Lipids Rationalizes the Efficiency of Cationic Liposome/DNA Complexes. Langmuir, 2007, 23, 4498-4508.	3.5	45
46	Challenges in molecular diagnostic research in cancer nanotechnology. Nano Today, 2019, 27, 6-10.	11.9	45
47	Personalized Graphene Oxide-Protein Corona in the Human Plasma of Pancreatic Cancer Patients. Frontiers in Bioengineering and Biotechnology, 2020, 8, 491.	4.1	45
48	Impact of the protein corona on nanomaterial immune response and targeting ability. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1615.	6.1	44
49	Tailoring Lipoplex Composition to the Lipid Composition of Plasma Membrane: A Trojan Horse for Cell Entry?. Langmuir, 2010, 26, 13867-13873.	3.5	43
50	Effect of Cholesterol on the Formation and Hydration Behavior of Solid-Supported Niosomal Membranes. Langmuir, 2010, 26, 2268-2273.	3.5	42
51	Principal component analysis of personalized biomolecular corona data for early disease detection. Nano Today, 2018, 21, 14-17.	11.9	42
52	Converting the personalized biomolecular corona of graphene oxide nanoflakes into a high-throughput diagnostic test for early cancer detection. Nanoscale, 2019, 11, 15339-15346.	5.6	42
53	Enhanced Transfection Efficiency of Multicomponent Lipoplexes in the Regime of Optimal Membrane Charge Density. Journal of Physical Chemistry B, 2008, 112, 11298-11304.	2.6	41
54	Structural Stability and Increase in Size Rationalize the Efficiency of Lipoplexes in Serum. Langmuir, 2009, 25, 3013-3021.	3.5	41

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55	Existence of hybrid structures in cationic liposome/DNA complexes revealed by their interaction with plasma proteins. Colloids and Surfaces B: Biointerfaces, 2011, 82, 141-146.	5.0	41
56	The biomolecular corona of gold nanoparticles in a controlled microfluidic environment. Lab on A Chip, 2019, 19, 2557-2567.	6.0	40
57	Protein Corona Fingerprints of Liposomes: New Opportunities for Targeted Drug Delivery and Early Detection in Pancreatic Cancer. Pharmaceutics, 2019, 11, 31.	4.5	39
58	Efficient Escape from Endosomes Determines the Superior Efficiency of Multicomponent Lipoplexes. Journal of Physical Chemistry B, 2009, 113, 4995-4997.	2.6	38
59	Analysis of plasma protein adsorption onto DC-Chol-DOPE cationic liposomes by HPLC-CHIP coupled to a Q-TOF mass spectrometer. Analytical and Bioanalytical Chemistry, 2010, 398, 2895-2903.	3.7	38
60	Differential analysis of â€œprotein coronaâ€•profile adsorbed onto different nonviral gene delivery systems. Analytical Biochemistry, 2011, 419, 180-189.	2.4	38
61	Biomolecular Corona Affects Controlled Release of Drug Payloads from Nanocarriers. Trends in Pharmacological Sciences, 2020, 41, 641-652.	8.7	38
62	Self-assembly of cationic liposomesâ€“DNA complexes: a structural and thermodynamic study by EDXD. Chemical Physics Letters, 2002, 351, 222-228.	2.6	36
63	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	36
64	The role of helper lipids in the intracellular disposition and transfection efficiency of niosome formulations for gene delivery to retinal pigment epithelial cells. International Journal of Pharmaceutics, 2016, 503, 115-126.	5.2	34
65	Lipid mixing upon deoxyribonucleic acid-induced liposomes fusion investigated by synchrotron small-angle x-ray scattering. Applied Physics Letters, 2005, 87, 133901.	3.3	33
66	Interaction of Lipoplexes with Anionic Lipids Resulting in DNA Release is a Two-Stage Process. Langmuir, 2007, 23, 8713-8717.	3.5	32
67	Exploitation of nanoparticleâ€“protein corona for emerging therapeutic and diagnostic applications. Journal of Materials Chemistry B, 2016, 4, 4376-4381.	5.8	32
68	Mapping the heterogeneity of protein corona by <i>ex vivo</i> magnetic levitation. Nanoscale, 2020, 12, 2374-2383.	5.6	31
69	DNA affects the composition of lipoplex protein corona: A proteomics approach. Proteomics, 2011, 11, 3349-3358.	2.2	30
70	Killing cancer cells using nanotechnology: novel poly(I:C) loaded liposomeâ€“silica hybrid nanoparticles. Journal of Materials Chemistry B, 2015, 3, 7408-7416.	5.8	30
71	Nanoparticle-enabled blood tests for early detection of pancreatic ductal adenocarcinoma. Cancer Letters, 2020, 470, 191-196.	7.2	30
72	Shotgun proteomic analytical approach for studying proteins adsorbed onto liposome surface. Analytical and Bioanalytical Chemistry, 2011, 401, 1195-1202.	3.7	29

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73	Do DC-Chol/DOPE-DNA complexes really form an inverted hexagonal phase?. Chemical Physics Letters, 2005, 411, 327-332.	2.6	28
74	How lipid hydration and temperature affect the structure of DC-Cholâ€“DOPE/DNA lipoplexes. Chemical Physics Letters, 2006, 422, 439-445.	2.6	28
75	Opsonin-Deficient Nucleoproteic Corona Endows UnPEGylated Liposomes with Stealth Properties <i>In Vivo</i>. ACS Nano, 2022, 16, 2088-2100.	14.6	28
76	A study of cyclohexane, piperidine and morpholine with X-ray diffraction and molecular simulations. Journal of Molecular Liquids, 2008, 139, 23-28.	4.9	27
77	Structure and Phase Behavior of Self-Assembled DPPCâˆ’DNAâˆ’Metal Cation Complexes. Journal of Physical Chemistry B, 2006, 110, 13203-13211.	2.6	26
78	Label-free quantitative analysis for studying the interactions between nanoparticles and plasma proteins. Analytical and Bioanalytical Chemistry, 2013, 405, 635-645.	3.7	26
79	Principles for optimization and validation of mRNA lipid nanoparticle vaccines against COVID-19 using 3D bioprinting. Nano Today, 2022, 43, 101403.	11.9	26
80	DNAâ€“DNA electrostatic interactions within cationic lipid/DNA lamellar complexes. Chemical Physics Letters, 2004, 400, 314-319.	2.6	25
81	Manipulation of lipoplex concentration at the cell surface boosts transfection efficiency in hard-to-transfect cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 681-691.	3.3	25
82	Exploitation of nanoparticle-protein interactions for early disease detection. Applied Physics Letters, 2019, 114, 163702.	3.3	25
83	Microfluidic Formulation of DNA-Loaded Multicomponent Lipid Nanoparticles for Gene Delivery. Pharmaceutics, 2021, 13, 1292.	4.5	25
84	Conformational study of proteins by SAXS and EDXD: the case of trypsin and trypsinogen. European Biophysics Journal, 2001, 30, 163-170.	2.2	24
85	Role of temperature-independent lipoplexâ€“cell membrane interactions in the efficiency boost of multicomponent lipoplexes. Cancer Gene Therapy, 2011, 18, 543-552.	4.6	24
86	Effect of membrane charge density on the protein corona of cationic liposomes: Interplay between cationic charge and surface area. Applied Physics Letters, 2011, 99, 033702.	3.3	24
87	The protein corona effect for targeted drug delivery. Bioinspired, Biomimetic and Nanobiomaterials, 2013, 2, 54-57.	0.9	24
88	Impact of the biomolecular corona on the structure of PEGylated liposomes. Biomaterials Science, 2017, 5, 1884-1888.	5.4	24
89	Insulin secretory granules labelled with phogrin-fluorescent proteins show alterations in size, mobility and responsiveness to glucose stimulation in living Î²-cells. Scientific Reports, 2019, 9, 2890.	3.3	24
90	One-Dimensional Thermotropic Dilatation Area of Lipid Headgroups within Lamellar Lipid/DNA Complexes. Langmuir, 2006, 22, 4267-4273.	3.5	23

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91	Universality of DNA Adsorption Behavior on the Cationic Membranes of Nanolipoplexes. Journal of Physical Chemistry B, 2010, 114, 2028-2032.	2.6	22
92	Intracellular trafficking of cationic liposomeâ€“DNA complexes in living cells. Soft Matter, 2012, 8, 7919.	2.7	22
93	Interaction of pH-sensitive non-phospholipid liposomes with cellular mimetic membranes. Biomedical Microdevices, 2013, 15, 299-309.	2.8	22
94	The role of cytoskeleton networks on lipid-mediated delivery of DNA. Therapeutic Delivery, 2013, 4, 191-202.	2.2	22
95	Nanoparticleâ€biomolecular corona: A new approach for the early detection of nonâ€smallâ€cell lung cancer. Journal of Cellular Physiology, 2019, 234, 9378-9386.	4.1	22
96	Nanotechnology and pancreatic cancer management: State of the art and further perspectives. World Journal of Gastrointestinal Oncology, 2021, 13, 231-237.	2.0	22
97	Impact on NK cell functions of acute versus chronic exposure to extracellular vesicleâ€associated MICA: Dual role in cancer immunosurveillance. Journal of Extracellular Vesicles, 2022, 11, e12176.	12.2	22
98	Tumor-Derived Microvesicles Modulate Antigen Cross-Processing via Reactive Oxygen Species-Mediated Alkalinization of Phagosomal Compartment in Dendritic Cells. Frontiers in Immunology, 2017, 8, 1179.	4.8	21
99	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. Applied Physics Letters, 2019, 114, 233701.	3.3	21
100	Bone Marrow Stromal Cell-Derived IL-8 Upregulates PVR Expression on Multiple Myeloma Cells via NF-kB Transcription Factor. Cancers, 2020, 12, 440.	3.7	21
101	The role of sex as a biological variable in the efficacy and toxicity of therapeutic nanomedicine. Advanced Drug Delivery Reviews, 2021, 174, 337-347.	13.7	21
102	Synergistic Analysis of Protein Corona and Haemoglobin Levels Detects Pancreatic Cancer. Cancers, 2021, 13, 93.	3.7	21
103	Effect of hydration on the structure of solid-supported Niosomal membranes investigated by in situ energy dispersive X-ray diffraction. Chemical Physics Letters, 2008, 462, 307-312.	2.6	20
104	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. Talanta, 2020, 209, 120487.	5.5	20
105	Mechanistic Insights into the Release of Doxorubicin from Graphene Oxide in Cancer Cells. Nanomaterials, 2020, 10, 1482.	4.1	20
106	Dynamic fingerprinting of sub-cellular nanostructures by image mean square displacement analysis. Scientific Reports, 2017, 7, 14836.	3.3	18
107	Improving the accuracy of pancreatic cancer clinical staging by exploitation of nanoparticle-blood interactions: A pilot study. Pancreatology, 2018, 18, 661-665.	1.1	18
108	Immune complexes exposed on mast cellâ€derived nanovesicles amplify allergic inflammation. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1260-1263.	5.7	18

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109	A new approach for the study of cationic lipidâ€“DNA complexes by energy dispersive X-ray diffraction. Chemical Physics Letters, 2002, 366, 200-204.	2.6	17
110	Effect of hydration on the long-range order of lipid multilayers investigated by in situ time-resolved energy dispersive X-ray diffraction. Chemical Physics Letters, 2005, 409, 331-336.	2.6	17
111	Observation of a Rectangular DNA Superlattice in the Liquid-Crystalline Phase of Cationic Lipid/DNA Complexes. Journal of the American Chemical Society, 2007, 129, 10092-10093.	13.7	17
112	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. Molecular BioSystems, 2014, 10, 2815-2819.	2.9	17
113	Effect of molecular crowding on the biological identity of liposomes: an overlooked factor at the bio-nano interface. Nanoscale Advances, 2019, 1, 2518-2522.	4.6	17
114	A protein corona sensor array detects breast and prostate cancers. Nanoscale, 2020, 12, 16697-16704.	5.6	17
115	Two-Dimensional Lipid Mixing Entropy Regulates the Formation of Multicomponent Lipoplexes. Journal of Physical Chemistry B, 2006, 110, 20829-20835.	2.6	17
116	Time-lapse confocal imaging datasets to assess structural and dynamic properties of subcellular nanostructures. Scientific Data, 2018, 5, 180191.	5.3	16
117	Formation of overcharged cationic lipid/DNA complexes. Chemical Physics Letters, 2006, 429, 250-254.	2.6	15
118	Effect of Protein Corona on The Transfection Efficiency of Lipid-Coated Graphene Oxide-Based Cell Transfection Reagents. Pharmaceutics, 2020, 12, 113.	4.5	15
119	Structural features of a cationic gemini surfactant at full hydration investigated by energy dispersive X-ray diffraction. Chemical Physics Letters, 2004, 386, 76-82.	2.6	14
120	Development of an image Mean Square Displacement (iMSD)-based method as a novel approach to study the intracellular trafficking of nanoparticles. Acta Biomaterialia, 2016, 42, 189-198.	8.3	14
121	Protein corona-enabled serological tests for early stage cancer detection. Sensors International, 2020, 1, 100025.	8.4	14
122	DNA release from cationic liposome/DNA complexes by anionic lipids. Applied Physics Letters, 2006, 89, 233903.	3.3	13
123	Hydration effect on the structure of dioleoylphosphatidylcholine bilayers. Applied Physics Letters, 2007, 90, 183901.	3.3	13
124	Caveolin-1 Endows Order in Cholesterol-Rich Detergent Resistant Membranes. Biomolecules, 2019, 9, 287.	4.0	12
125	Optimal centrifugal isolating of liposomeâ€“protein complexes from human plasma. Nanoscale Advances, 2021, 3, 3824-3834.	4.6	12
126	Inhibiting the Growth of 3D Brain Cancer Models with Bio-Coronated Liposomal Temozolomide. Pharmaceutics, 2021, 13, 378.	4.5	12

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127	A new experimental setup for the study of lipid hydration by energy dispersive X-ray diffraction. Chemical Physics Letters, 2005, 414, 456-460.	2.6	11
128	Segregation and Phase Transition in Mixed Lipid Films. Langmuir, 2005, 21, 9137-9142.	3.5	11
129	Surface area of lipid membranes regulates the DNA-binding capacity of cationic liposomes. Applied Physics Letters, 2009, 94, .	3.3	11
130	What the cell surface does not see: The gene vector under the protein corona. Colloids and Surfaces B: Biointerfaces, 2016, 141, 170-178.	5.0	11
131	Cationic lipid/DNA complexes manufactured by microfluidics and bulk self-assembly exhibit different transfection behavior. Biochemical and Biophysical Research Communications, 2018, 503, 508-512.	2.1	11
132	Effect of Glucose on Liposomeâ€"Plasma Protein Interactions: Relevance for the Physiological Response of Clinically Approved Liposomal Formulations. Advanced Biology, 2019, 3, e1800221.	3.0	11
133	Protein corona profile of graphene oxide allows detection of glioblastoma multiforme using a simple one-dimensional gel electrophoresis technique: a proof-of-concept study. Biomaterials Science, 2021, 9, 4671-4678.	5.4	11
134	The Possible Role of Sex As an Important Factor in Development and Administration of Lipid Nanomedicine-Based COVID-19 Vaccine. Molecular Pharmaceutics, 2021, 18, 2448-2453.	4.6	11
135	Detection of Pancreatic Ductal Adenocarcinoma by Ex Vivo Magnetic Levitation of Plasma Protein-Coated Nanoparticles. Cancers, 2021, 13, 5155.	3.7	11
136	Fluorescence lifetime microscopy unveils the supramolecular organization of liposomal Doxorubicin. Nanoscale, 2022, 14, 8901-8905.	5.6	11
137	The Structure of Gemini Surfactant Self-Assemblies Investigated by Energy Dispersive X-ray Diffraction. Journal of Physical Chemistry B, 2003, 107, 12268-12274.	2.6	10
138	Structure of solid-supported lipidâ€"DNAâ€"metal complexes investigated by energy dispersive X-ray diffraction. Chemical Physics Letters, 2004, 397, 138-143.	2.6	10
139	Effect of hydration on the structure of oriented lipid membranes investigated by in situ time-resolved energy dispersive x-ray diffraction. Applied Physics Letters, 2005, 86, 253902.	3.3	10
140	Single-cell real-time imaging of transgene expression upon lipofection. Biochemical and Biophysical Research Communications, 2016, 474, 8-14.	2.1	10
141	A mechanistic explanation of the inhibitory role of the protein corona on liposomal gene expression. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183159.	2.6	10
142	Efficient pancreatic cancer detection through personalized protein corona of gold nanoparticles. Biointerphases, 2021, 16, 011010.	1.6	10
143	A Proteomic Study on the Personalized Protein Corona of Liposomes. Relevance for Early Diagnosis of Pancreatic DUCTAL Adenocarcinoma and Biomarker Detection. Journal of Nanotheranostics, 2021, 2, 82-93.	3.1	10
144	Role of the Spacer Stereochemistry on the Structure of Solid-Supported Gemini Surfactants Aggregates. Langmuir, 2007, 23, 10040-10043.	3.5	9

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145	Protofibrils within fibrin fibres are packed together in a regular array. Thrombosis and Haemostasis, 2003, 89, 632-6.	3.4	9
146	On the correlation between phase evolution of lipoplexes/anionic lipid mixtures and DNA release. Applied Physics Letters, 2007, 91, 143903.	3.3	8
147	Artificial Protein Coronas Enable Controlled Interaction with Corneal Epithelial Cells: New Opportunities for Ocular Drug Delivery. Pharmaceutics, 2021, 13, 867.	4.5	8
148	Magnetic Levitation of Personalized Nanoparticleâ€"Protein Corona as an Effective Tool for Cancer Detection. Nanomaterials, 2022, 12, 1397.	4.1	8
149	Dynamics of liposomes gene vectors studied by anelastic spectroscopy. Applied Physics Letters, 2003, 83, 2701-2703.	3.3	7
150	Magnetic Levitation Patterns of Microfluidic-Generated Nanoparticleâ€"Protein Complexes. Nanomaterials, 2022, 12, 2376.	4.1	7
151	Effect of pH on the structure of lipoplexes. Journal of Applied Physics, 2008, 104, 014701.	2.5	6
152	Hydration kinetics of oriented lipid membranes investigated by energy dispersive x-ray diffraction. Applied Physics Letters, 2004, 85, 1630-1632.	3.3	5
153	The use of energy dispersive X-ray diffraction (EDXD) for the investigation of the structural and compositional features of old and modern papers. Microchemical Journal, 2008, 88, 107-112.	4.5	5
154	Effect of hydration on the structure of caveolae membranes. Applied Physics Letters, 2009, 94, 153901.	3.3	5
155	Programmed packaging of multicomponent envelope-type nanoparticle system for gene delivery. Applied Physics Letters, 2010, 96, .	3.3	5
156	Exact occupation probabilities for intermittent transport and application to image correlation spectroscopy. New Journal of Physics, 2014, 16, 113057.	2.9	5
157	Applications of nanomaterials in modern medicine. Rendiconti Lincei, 2015, 26, 231-237.	2.2	5
158	Probing the role of nuclear-envelope invaginations in the nuclear-entry route of lipofected DNA by multi-channel 3D confocal microscopy. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111881.	5.0	5
159	In situ formation of solid-supported lipid/DNA complexes. Chemical Physics Letters, 2005, 405, 252-257.	2.6	4
160	Getting the most from gene delivery by repeated DNA transfections. Applied Physics Letters, 2015, 106, 233701.	3.3	4
161	Changes in protein dynamics induced under Gdn-HCl denaturation. Applied Physics A: Materials Science and Processing, 2002, 74, s1579-s1581.	2.3	3
162	Structural characterization of cationic liposome/poly(I:C) complexes showing high ability in eliminating prostate cancer cells. RSC Advances, 2013, 3, 24597.	3.6	3

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163	<i>In vitro</i>and<i>ex vivo</i>nano-enabled immunomodulation by the protein corona. Nanoscale, 2022, 14, 10531-10539.	5.6	3
164	Conformational changes of bovine Î²-trypsin and trypsinogen induced by divalent ions: An energy-dispersive X-ray diffraction and functional study. Archives of Biochemistry and Biophysics, 2006, 449, 157-163.	3.0	2
165	Phase diagram of 3Î²-[N-(N,N-dimethylaminoethane)-carbamoyl]-cholesterolâ^’dioleoylphosphatidylethanolamine/DNA complexes suggests strategies for efficient lipoplex transfection. Applied Physics Letters, 2010, 96, 183703.	3.3	2
166	New views and insights into intracellular trafficking of drug-delivery systems by fluorescence fluctuation spectroscopy. Therapeutic Delivery, 2014, 5, 173-188.	2.2	1
167	Plasmonics Meets Biology through Optics. Nanomaterials, 2015, 5, 1022-1033.	4.1	1
168	Dynamical properties of oriented lipid membranes studied by elastic incoherent neutron scattering. Physica B: Condensed Matter, 2004, 350, E955-E955.	2.7	0
169	Toward an objective evaluation of cell transfection performance. Applied Physics Letters, 2010, 97, 153702.	3.3	0
170	Intracellular Dynamics of Nanoparticles Probed by an Image-Derived Mean Square Displacement Approach. Biophysical Journal, 2017, 112, 296a-297a.	0.5	0