

Giulio Caracciolo

List of Publications by Year in descending order

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170
papers

7,154
citations

57631

44
h-index

71532

76
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173
all docs

173
docs citations

173
times ranked

7568
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of polyethyleneglycol (PEG) chain length on the bio-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
2	Biological Identity of Nanoparticles In Vivo : Clinical Implications of the Protein Corona. <i>Trends in Biotechnology</i> , 2017, 35, 257-264.	4.9	313
3	Time Evolution of Nanoparticle-Protein Corona in Human Plasma: Relevance for Targeted Drug Delivery. <i>Langmuir</i> , 2013, 29, 6485-6494.	1.6	248
4	Very low intensity ultrasounds as a new strategy to improve selective delivery of nanoparticles-complexes in cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 1.	3.5	200
5	Liposome-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
6	The protein corona of circulating PEGylated liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 189-196.	1.4	178
7	Interplay of protein corona and immune cells controls blood residency of liposomes. <i>Nature Communications</i> , 2019, 10, 3686.	5.8	160
8	The intracellular trafficking mechanism of Lipofectamine-based transfection reagents and its implication for gene delivery. <i>Scientific Reports</i> , 2016, 6, 25879.	1.6	158
9	Selective Targeting Capability Acquired with a Protein Corona Adsorbed on the Surface of 1,2-Dioleoyl-3-trimethylammonium Propane/DNA Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13171-13179.	4.0	150
10	Exploring Cellular Interactions of Liposomes Using Protein Corona Fingerprints and Physicochemical Properties. <i>ACS Nano</i> , 2016, 10, 3723-3737.	7.3	130
11	The biomolecular corona of nanoparticles in circulating biological media. <i>Nanoscale</i> , 2015, 7, 13958-13966.	2.8	127
12	Surface adsorption of protein corona controls the cell internalization mechanism of DC-Chol-DOPE/DNA lipoplexes in serum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 536-543.	1.4	124
13	Personalized liposome-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
14	Stealth Effect of Biomolecular Corona on Nanoparticle Uptake by Immune Cells. <i>Langmuir</i> , 2015, 31, 10764-10773.	1.6	102
15	Evolution of the Protein Corona of Lipid Gene Vectors as a Function of Plasma Concentration. <i>Langmuir</i> , 2011, 27, 15048-15053.	1.6	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. <i>OncolImmunology</i> , 2017, 6, e1279372.	2.1	100
17	Cationic liposome/DNA complexes: from structure to interactions with cellular membranes. <i>European Biophysics Journal</i> , 2012, 41, 815-829.	1.2	93
18	Cholesterol-Dependent Macropinocytosis and Endosomal Escape Control the Transfection Efficiency of Lipoplexes in CHO Living Cells. <i>Molecular Pharmaceutics</i> , 2012, 9, 334-340.	2.3	90

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19	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
20	The liposomeâ€“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
21	Lipid composition: a â€œkey factorâ€“for the rational manipulation of the liposomeâ€“protein corona by liposome design. <i>RSC Advances</i> , 2015, 5, 5967-5975.	1.7	77
22	A protein corona-enabled blood test for early cancer detection. <i>Nanoscale</i> , 2017, 9, 349-354.	2.8	77
23	Clinically approved liposomal nanomedicines: lessons learned from the biomolecular corona. <i>Nanoscale</i> , 2018, 10, 4167-4172.	2.8	77
24	Surface chemistry and serum type both determine the nanoparticleâ€“protein corona. <i>Journal of Proteomics</i> , 2015, 119, 209-217.	1.2	75
25	Nanoparticles-cell association predicted by protein corona fingerprints. <i>Nanoscale</i> , 2016, 8, 12755-12763.	2.8	75
26	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
27	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
28	Disease-specific protein corona sensor arrays may have disease detection capacity. <i>Nanoscale Horizons</i> , 2019, 4, 1063-1076.	4.1	68
29	Microfluidic manufacturing of surface-functionalized graphene oxide nanoflakes for gene delivery. <i>Nanoscale</i> , 2019, 11, 2733-2741.	2.8	67
30	Inclusion of a Photosensitizer in Liposomes Formed by DMPC/Gemini Surfactant:Â Correlation between Physicochemical and Biological Features of the Complexes. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4882-4891.	2.9	65
31	Multicomponent Cationic Lipidâˆ“DNA Complex Formation:Â Role of Lipid Mixing. <i>Langmuir</i> , 2005, 21, 11582-11587.	1.6	65
32	Do plasma proteins distinguish between liposomes of varying charge density?. <i>Journal of Proteomics</i> , 2012, 75, 1924-1932.	1.2	65
33	Disease-related metabolites affect proteinâ€“nanoparticle interactions. <i>Nanoscale</i> , 2018, 10, 7108-7115.	2.8	61
34	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
35	In vivo protein corona patterns of lipid nanoparticles. <i>RSC Advances</i> , 2017, 7, 1137-1145.	1.7	59
36	Analytical Methods for Characterizing the Nanoparticleâ€“Protein Corona. <i>Chromatographia</i> , 2014, 77, 755-769.	0.7	58

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37	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
38	Transfection efficiency boost by designer multicomponent lipoplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2280-2292.	1.4	56
39	Brain Targeting by Liposomeâ€“Biomolecular Corona Boosts Anticancer Efficacy of Temozolomide in Glioblastoma Cells. <i>ACS Chemical Neuroscience</i> , 2018, 9, 3166-3174.	1.7	53
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	Factors Determining the Superior Performance of Lipid/DNA/Protamine Nanoparticles over Lipoplexes. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4160-4171.	2.9	51
42	Human Biomolecular Corona of Liposomal Doxorubicin: The Overlooked Factor in Anticancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22951-22962.	4.0	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. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2237-2249.	4.0	47
44	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. <i>Chemical Reviews</i> , 2019, 119, 11352-11390.	23.0	46
45	Structural Stability against Disintegration by Anionic Lipids Rationalizes the Efficiency of Cationic Liposome/DNA Complexes. <i>Langmuir</i> , 2007, 23, 4498-4508.	1.6	45
46	Challenges in molecular diagnostic research in cancer nanotechnology. <i>Nano Today</i> , 2019, 27, 6-10.	6.2	45
47	Personalized Graphene Oxide-Protein Corona in the Human Plasma of Pancreatic Cancer Patients. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 491.	2.0	45
48	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
49	Tailoring Lipoplex Composition to the Lipid Composition of Plasma Membrane: A Trojan Horse for Cell Entry?. <i>Langmuir</i> , 2010, 26, 13867-13873.	1.6	43
50	Effect of Cholesterol on the Formation and Hydration Behavior of Solid-Supported Niosomal Membranes. <i>Langmuir</i> , 2010, 26, 2268-2273.	1.6	42
51	Principal component analysis of personalized biomolecular corona data for early disease detection. <i>Nano Today</i> , 2018, 21, 14-17.	6.2	42
52	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
53	Enhanced Transfection Efficiency of Multicomponent Lipoplexes in the Regime of Optimal Membrane Charge Density. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11298-11304.	1.2	41
54	Structural Stability and Increase in Size Rationalize the Efficiency of Lipoplexes in Serum. <i>Langmuir</i> , 2009, 25, 3013-3021.	1.6	41

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55	Existence of hybrid structures in cationic liposome/DNA complexes revealed by their interaction with plasma proteins. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 141-146.	2.5	41
56	The biomolecular corona of gold nanoparticles in a controlled microfluidic environment. <i>Lab on A Chip</i> , 2019, 19, 2557-2567.	3.1	40
57	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
58	Efficient Escape from Endosomes Determines the Superior Efficiency of Multicomponent Lipoplexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4995-4997.	1.2	38
59	Analysis of plasma protein adsorption onto DC-Chol-DOPE cationic liposomes by HPLC-CHIP coupled to a Q-TOF mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2895-2903.	1.9	38
60	Differential analysis of protein corona profile adsorbed onto different nonviral gene delivery systems. <i>Analytical Biochemistry</i> , 2011, 419, 180-189.	1.1	38
61	Biomolecular Corona Affects Controlled Release of Drug Payloads from Nanocarriers. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 641-652.	4.0	38
62	Self-assembly of cationic liposomes-DNA complexes: a structural and thermodynamic study by EDXD. <i>Chemical Physics Letters</i> , 2002, 351, 222-228.	1.2	36
63	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	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. <i>International Journal of Pharmaceutics</i> , 2016, 503, 115-126.	2.6	34
65	Lipid mixing upon deoxyribonucleic acid-induced liposomes fusion investigated by synchrotron small-angle x-ray scattering. <i>Applied Physics Letters</i> , 2005, 87, 133901.	1.5	33
66	Interaction of Lipoplexes with Anionic Lipids Resulting in DNA Release is a Two-Stage Process. <i>Langmuir</i> , 2007, 23, 8713-8717.	1.6	32
67	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
68	Mapping the heterogeneity of protein corona by <i>ex vivo</i> magnetic levitation. <i>Nanoscale</i> , 2020, 12, 2374-2383.	2.8	31
69	DNA affects the composition of lipoplex protein corona: A proteomics approach. <i>Proteomics</i> , 2011, 11, 3349-3358.	1.3	30
70	Killing cancer cells using nanotechnology: novel poly(I:C) loaded liposome-silica hybrid nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7408-7416.	2.9	30
71	Nanoparticle-enabled blood tests for early detection of pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , 2020, 470, 191-196.	3.2	30
72	Shotgun proteomic analytical approach for studying proteins adsorbed onto liposome surface. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1195-1202.	1.9	29

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73	Do DC-Chol/DOPE-DNA complexes really form an inverted hexagonal phase?. <i>Chemical Physics Letters</i> , 2005, 411, 327-332.	1.2	28
74	How lipid hydration and temperature affect the structure of DC-Cholâ€“DOPE/DNA lipoplexes. <i>Chemical Physics Letters</i> , 2006, 422, 439-445.	1.2	28
75	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
76	A study of cyclohexane, piperidine and morpholine with X-ray diffraction and molecular simulations. <i>Journal of Molecular Liquids</i> , 2008, 139, 23-28.	2.3	27
77	Structure and Phase Behavior of Self-Assembled DPPCâˆ“DNAâˆ“Metal Cation Complexes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13203-13211.	1.2	26
78	Label-free quantitative analysis for studying the interactions between nanoparticles and plasma proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 635-645.	1.9	26
79	Principles for optimization and validation of mRNA lipid nanoparticle vaccines against COVID-19 using 3D bioprinting. <i>Nano Today</i> , 2022, 43, 101403.	6.2	26
80	DNAâ€“DNA electrostatic interactions within cationic lipid/DNA lamellar complexes. <i>Chemical Physics Letters</i> , 2004, 400, 314-319.	1.2	25
81	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
82	Exploitation of nanoparticle-protein interactions for early disease detection. <i>Applied Physics Letters</i> , 2019, 114, 163702.	1.5	25
83	Microfluidic Formulation of DNA-Loaded Multicomponent Lipid Nanoparticles for Gene Delivery. <i>Pharmaceutics</i> , 2021, 13, 1292.	2.0	25
84	Conformational study of proteins by SAXS and EDXD: the case of trypsin and trypsinogen. <i>European Biophysics Journal</i> , 2001, 30, 163-170.	1.2	24
85	Role of temperature-independent lipoplexâ€“cell membrane interactions in the efficiency boost of multicomponent lipoplexes. <i>Cancer Gene Therapy</i> , 2011, 18, 543-552.	2.2	24
86	Effect of membrane charge density on the protein corona of cationic liposomes: Interplay between cationic charge and surface area. <i>Applied Physics Letters</i> , 2011, 99, 033702.	1.5	24
87	The protein corona effect for targeted drug delivery. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2013, 2, 54-57.	0.7	24
88	Impact of the biomolecular corona on the structure of PEGylated liposomes. <i>Biomaterials Science</i> , 2017, 5, 1884-1888.	2.6	24
89	Insulin secretory granules labelled with phogrin-fluorescent proteins show alterations in size, mobility and responsiveness to glucose stimulation in living Î²-cells. <i>Scientific Reports</i> , 2019, 9, 2890.	1.6	24
90	One-Dimensional Thermotropic Dilatation Area of Lipid Headgroups within Lamellar Lipid/DNA Complexes. <i>Langmuir</i> , 2006, 22, 4267-4273.	1.6	23

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91	Universality of DNA Adsorption Behavior on the Cationic Membranes of Nanolipoplexes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2028-2032.	1.2	22
92	Intracellular trafficking of cationic liposome-DNA complexes in living cells. <i>Soft Matter</i> , 2012, 8, 7919.	1.2	22
93	Interaction of pH-sensitive non-phospholipid liposomes with cellular mimetic membranes. <i>Biomedical Microdevices</i> , 2013, 15, 299-309.	1.4	22
94	The role of cytoskeleton networks on lipid-mediated delivery of DNA. <i>Therapeutic Delivery</i> , 2013, 4, 191-202.	1.2	22
95	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
96	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
97	Impact on NK cell functions of acute versus chronic exposure to extracellular vesicle-associated MICA: Dual role in cancer immunosurveillance. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12176.	5.5	22
98	Tumor-Derived Microvesicles Modulate Antigen Cross-Processing via Reactive Oxygen Species-Mediated Alkalinization of Phagosomal Compartment in Dendritic Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1179.	2.2	21
99	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. <i>Applied Physics Letters</i> , 2019, 114, 233701.	1.5	21
100	Bone Marrow Stromal Cell-Derived IL-8 Upregulates PVR Expression on Multiple Myeloma Cells via NF- κ B Transcription Factor. <i>Cancers</i> , 2020, 12, 440.	1.7	21
101	The role of sex as a biological variable in the efficacy and toxicity of therapeutic nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 337-347.	6.6	21
102	Synergistic Analysis of Protein Corona and Haemoglobin Levels Detects Pancreatic Cancer. <i>Cancers</i> , 2021, 13, 93.	1.7	21
103	Effect of hydration on the structure of solid-supported Niosomal membranes investigated by in situ energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2008, 462, 307-312.	1.2	20
104	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. <i>Talanta</i> , 2020, 209, 120487.	2.9	20
105	Mechanistic Insights into the Release of Doxorubicin from Graphene Oxide in Cancer Cells. <i>Nanomaterials</i> , 2020, 10, 1482.	1.9	20
106	Dynamic fingerprinting of sub-cellular nanostructures by image mean square displacement analysis. <i>Scientific Reports</i> , 2017, 7, 14836.	1.6	18
107	Improving the accuracy of pancreatic cancer clinical staging by exploitation of nanoparticle-blood interactions: A pilot study. <i>Pancreatology</i> , 2018, 18, 661-665.	0.5	18
108	Immune complexes exposed on mast cell-derived nanovesicles amplify allergic inflammation. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1260-1263.	2.7	18

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109	A new approach for the study of cationic lipid-DNA complexes by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2002, 366, 200-204.	1.2	17
110	Effect of hydration on the long-range order of lipid multilayers investigated by in situ time-resolved energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2005, 409, 331-336.	1.2	17
111	Observation of a Rectangular DNA Superlattice in the Liquid-Crystalline Phase of Cationic Lipid/DNA Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 10092-10093.	6.6	17
112	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. <i>Molecular BioSystems</i> , 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. <i>Nanoscale Advances</i> , 2019, 1, 2518-2522.	2.2	17
114	A protein corona sensor array detects breast and prostate cancers. <i>Nanoscale</i> , 2020, 12, 16697-16704.	2.8	17
115	Two-Dimensional Lipid Mixing Entropy Regulates the Formation of Multicomponent Lipoplexes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20829-20835.	1.2	17
116	Time-lapse confocal imaging datasets to assess structural and dynamic properties of subcellular nanostructures. <i>Scientific Data</i> , 2018, 5, 180191.	2.4	16
117	Formation of overcharged cationic lipid/DNA complexes. <i>Chemical Physics Letters</i> , 2006, 429, 250-254.	1.2	15
118	Effect of Protein Corona on The Transfection Efficiency of Lipid-Coated Graphene Oxide-Based Cell Transfection Reagents. <i>Pharmaceutics</i> , 2020, 12, 113.	2.0	15
119	Structural features of a cationic gemini surfactant at full hydration investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004, 386, 76-82.	1.2	14
120	Development of an image Mean Square Displacement (iMSD)-based method as a novel approach to study the intracellular trafficking of nanoparticles. <i>Acta Biomaterialia</i> , 2016, 42, 189-198.	4.1	14
121	Protein corona-enabled serological tests for early stage cancer detection. <i>Sensors International</i> , 2020, 1, 100025.	4.9	14
122	DNA release from cationic liposome/DNA complexes by anionic lipids. <i>Applied Physics Letters</i> , 2006, 89, 233903.	1.5	13
123	Hydration effect on the structure of dioleoylphosphatidylcholine bilayers. <i>Applied Physics Letters</i> , 2007, 90, 183901.	1.5	13
124	Caveolin-1 Endows Order in Cholesterol-Rich Detergent Resistant Membranes. <i>Biomolecules</i> , 2019, 9, 287.	1.8	12
125	Optimal centrifugal isolating of liposome-protein complexes from human plasma. <i>Nanoscale Advances</i> , 2021, 3, 3824-3834.	2.2	12
126	Inhibiting the Growth of 3D Brain Cancer Models with Bio-Coronated Liposomal Temozolomide. <i>Pharmaceutics</i> , 2021, 13, 378.	2.0	12

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127	A new experimental setup for the study of lipid hydration by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2005, 414, 456-460.	1.2	11
128	Segregation and Phase Transition in Mixed Lipid Films. <i>Langmuir</i> , 2005, 21, 9137-9142.	1.6	11
129	Surface area of lipid membranes regulates the DNA-binding capacity of cationic liposomes. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	11
130	What the cell surface does not see: The gene vector under the protein corona. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 170-178.	2.5	11
131	Cationic lipid/DNA complexes manufactured by microfluidics and bulk self-assembly exhibit different transfection behavior. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 508-512.	1.0	11
132	Effect of Glucose on Liposomeâ€œPlasma Protein Interactions: Relevance for the Physiological Response of Clinically Approved Liposomal Formulations. <i>Advanced Biology</i> , 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. <i>Biomaterials Science</i> , 2021, 9, 4671-4678.	2.6	11
134	The Possible Role of Sex As an Important Factor in Development and Administration of Lipid Nanomedicine-Based COVID-19 Vaccine. <i>Molecular Pharmaceutics</i> , 2021, 18, 2448-2453.	2.3	11
135	Detection of Pancreatic Ductal Adenocarcinoma by Ex Vivo Magnetic Levitation of Plasma Protein-Coated Nanoparticles. <i>Cancers</i> , 2021, 13, 5155.	1.7	11
136	Fluorescence lifetime microscopy unveils the supramolecular organization of liposomal Doxorubicin. <i>Nanoscale</i> , 2022, 14, 8901-8905.	2.8	11
137	The Structure of Gemini Surfactant Self-Assemblies Investigated by Energy Dispersive X-ray Diffraction. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12268-12274.	1.2	10
138	Structure of solid-supported lipidâ€œDNAâ€œmetal complexes investigated by energy dispersive X-ray diffraction. <i>Chemical Physics Letters</i> , 2004, 397, 138-143.	1.2	10
139	Effect of hydration on the structure of oriented lipid membranes investigated by in situ time-resolved energy dispersive x-ray diffraction. <i>Applied Physics Letters</i> , 2005, 86, 253902.	1.5	10
140	Single-cell real-time imaging of transgene expression upon lipofection. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 8-14.	1.0	10
141	A mechanistic explanation of the inhibitory role of the protein corona on liposomal gene expression. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183159.	1.4	10
142	Efficient pancreatic cancer detection through personalized protein corona of gold nanoparticles. <i>Biointerphases</i> , 2021, 16, 011010.	0.6	10
143	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
144	Role of the Spacer Stereochemistry on the Structure of Solid-Supported Gemini Surfactants Aggregates. <i>Langmuir</i> , 2007, 23, 10040-10043.	1.6	9

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145	Protofibrils within fibrin fibres are packed together in a regular array. <i>Thrombosis and Haemostasis</i> , 2003, 89, 632-6.	1.8	9
146	On the correlation between phase evolution of lipoplexes/anionic lipid mixtures and DNA release. <i>Applied Physics Letters</i> , 2007, 91, 143903.	1.5	8
147	Artificial Protein Coronas Enable Controlled Interaction with Corneal Epithelial Cells: New Opportunities for Ocular Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 867.	2.0	8
148	Magnetic Levitation of Personalized Nanoparticleâ€“Protein Corona as an Effective Tool for Cancer Detection. <i>Nanomaterials</i> , 2022, 12, 1397.	1.9	8
149	Dynamics of liposomes gene vectors studied by anelastic spectroscopy. <i>Applied Physics Letters</i> , 2003, 83, 2701-2703.	1.5	7
150	Magnetic Levitation Patterns of Microfluidic-Generated Nanoparticleâ€“Protein Complexes. <i>Nanomaterials</i> , 2022, 12, 2376.	1.9	7
151	Effect of pH on the structure of lipoplexes. <i>Journal of Applied Physics</i> , 2008, 104, 014701.	1.1	6
152	Hydration kinetics of oriented lipid membranes investigated by energy dispersive x-ray diffraction. <i>Applied Physics Letters</i> , 2004, 85, 1630-1632.	1.5	5
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