

S Moein Moghimi

List of Publications by Citations

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206

papers

16,801

citations

61

h-index

126

g-index

236

ext. papers

18,375

ext. citations

8.6

avg, IF

6.99

L-index

#	Paper	IF	Citations
206	Long-circulating and target-specific nanoparticles: theory to practice. <i>Pharmacological Reviews</i> , 2001 , 53, 283-318	22.5	2324
205	Nanomedicine: current status and future prospects. <i>FASEB Journal</i> , 2005 , 19, 311-30	0.9	1492
204	Stealth liposomes and long circulating nanoparticles: critical issues in pharmacokinetics, opsonization and protein-binding properties. <i>Progress in Lipid Research</i> , 2003 , 42, 463-78	14.3	940
203	A two-stage poly(ethylenimine)-mediated cytotoxicity: implications for gene transfer/therapy. <i>Molecular Therapy</i> , 2005 , 11, 990-5	11.7	875
202	The possible "proton sponge" effect of polyethylenimine (PEI) does not include change in lysosomal pH. <i>Molecular Therapy</i> , 2013 , 21, 149-57	11.7	494
201	Factors controlling nanoparticle pharmacokinetics: an integrated analysis and perspective. <i>Annual Review of Pharmacology and Toxicology</i> , 2012 , 52, 481-503	17.9	409
200	Poloxamers and poloxamines in nanoparticle engineering and experimental medicine. <i>Trends in Biotechnology</i> , 2000 , 18, 412-20	15.1	313
199	Complement proteins bind to nanoparticle protein corona and undergo dynamic exchange in vivo. <i>Nature Nanotechnology</i> , 2017 , 12, 387-393	28.7	299
198	Non-phagocytic uptake of intravenously injected microspheres in rat spleen: influence of particle size and hydrophilic coating. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 177, 861-6	3.4	248
197	Distinct polymer architecture mediates switching of complement activation pathways at the nanosphere-serum interface: implications for stealth nanoparticle engineering. <i>ACS Nano</i> , 2010 , 4, 6629-38	16.7	235
196	Coating particles with a block co-polymer (poloxamine-908) suppresses opsonization but permits the activity of dysopsonins in the serum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993 , 1179, 157-65	4.9	203
195	Nanotechnologies for Alzheimer's disease: diagnosis, therapy, and safety issues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011 , 7, 521-40	6	199
194	Poly(ethylene glycol)s generate complement activation products in human serum through increased alternative pathway turnover and a MASP-2-dependent process. <i>Molecular Immunology</i> , 2008 , 46, 225-32	4.3	197
193	Material properties in complement activation. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 1000-7	18.5	193
192	Serum-mediated recognition of liposomes by phagocytic cells of the reticuloendothelial system - The concept of tissue specificity. <i>Advanced Drug Delivery Reviews</i> , 1998 , 32, 45-60	18.5	187
191	Polycation cytotoxicity: a delicate matter for nucleic acid therapy focus on polyethylenimine. <i>Soft Matter</i> , 2010 , 6, 4001	3.6	173
190	Hyaluronan-coated nanoparticles: the influence of the molecular weight on CD44-hyaluronan interactions and on the immune response. <i>Journal of Controlled Release</i> , 2011 , 156, 231-8	11.7	171

189	Methylation of the phosphate oxygen moiety of phospholipid-methoxy(polyethylene glycol) conjugate prevents PEGylated liposome-mediated complement activation and anaphylatoxin production. <i>FASEB Journal</i> , 2006 , 20, 2591-3	0.9	169
188	Dendrimers in Medicine: Therapeutic Concepts and Pharmaceutical Challenges. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1198-211	6.3	161
187	Nanoparticles and innate immunity: new perspectives on host defence. <i>Seminars in Immunology</i> , 2017 , 34, 33-51	10.7	160
186	Complement activation cascade triggered by PEG-PL engineered nanomedicines and carbon nanotubes: the challenges ahead. <i>Journal of Controlled Release</i> , 2010 , 146, 175-81	11.7	142
185	PEGylated nanoparticles bind to and alter amyloid-beta peptide conformation: toward engineering of functional nanomedicines for Alzheimer's disease. <i>ACS Nano</i> , 2012 , 6, 5897-908	16.7	141
184	The polyoxyethylene/polyoxypropylene block co-polymer poloxamer-407 selectively redirects intravenously injected microspheres to sinusoidal endothelial cells of rabbit bone marrow. <i>FEBS Letters</i> , 1992 , 305, 62-6	3.8	136
183	Dysfunctional oxidative phosphorylation makes malignant melanoma cells addicted to glycolysis driven by the (V600E)BRAF oncogene. <i>Oncotarget</i> , 2013 , 4, 584-99	3.3	133
182	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
181	An integrated assessment of morphology, size, and complement activation of the PEGylated liposomal doxorubicin products Doxil [®] , Caelyx [®] , DOXOrubicin, and SinaDoxosome. <i>Journal of Controlled Release</i> , 2016 , 221, 1-8	11.7	122
180	An investigation of the filtration capacity and the fate of large filtered sterically-stabilized microspheres in rat spleen. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1993 , 1157, 233-40	4	122
179	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. <i>Nature Nanotechnology</i> , 2017 , 12, 589-594	28.7	121
178	PEGylation of microspheres generates a heterogeneous population of particles with differential surface characteristics and biological performance. <i>FEBS Letters</i> , 2002 , 532, 338-44	3.8	119
177	Tissue specific opsonins for phagocytic cells and their different affinity for cholesterol-rich liposomes. <i>FEBS Letters</i> , 1988 , 233, 143-7	3.8	119
176	Mechanisms of splenic clearance of blood cells and particles: towards development of new splenotropic agents. <i>Advanced Drug Delivery Reviews</i> , 1995 , 17, 103-115	18.5	116
175	Complement activation by PEGylated single-walled carbon nanotubes is independent of C1q and alternative pathway turnover. <i>Molecular Immunology</i> , 2008 , 45, 3797-803	4.3	112
174	Subcutaneous and intravenous delivery of diagnostic agents to the lymphatic system: applications in lymphoscintigraphy and indirect lymphography. <i>Advanced Drug Delivery Reviews</i> , 1999 , 37, 295-312	18.5	110
173	Recognition by macrophages and liver cells of opsonized phospholipid vesicles and phospholipid headgroups. <i>Pharmaceutical Research</i> , 2001 , 18, 1-8	4.5	109
172	Surface engineered nanospheres with enhanced drainage into lymphatics and uptake by macrophages of the regional lymph nodes. <i>FEBS Letters</i> , 1994 , 344, 25-30	3.8	106

171	Cubosomes and hexosomes as versatile platforms for drug delivery. <i>Therapeutic Delivery</i> , 2015 , 6, 1347-648	9.8	105
170	Capture of Stealth Nanoparticles by the Body's Defences. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2001 , 18, 24	2.8	104
169	Polyplex Evolution: Understanding Biology, Optimizing Performance. <i>Molecular Therapy</i> , 2017 , 25, 1476-1490	11.9	102
168	Cationic carriers of genetic material and cell death: a mitochondrial tale. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 1203-9	4.6	102
167	Single-walled carbon nanotube surface control of complement recognition and activation. <i>ACS Nano</i> , 2013 , 7, 1108-19	16.7	100
166	Serum opsonins and phagocytosis of saturated and unsaturated phospholipid liposomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989 , 984, 384-7	3.8	100
165	Low and high molecular weight poly(L-lysine)s/poly(L-lysine)-DNA complexes initiate mitochondrial-mediated apoptosis differently. <i>FEBS Letters</i> , 2005 , 579, 6191-8	3.8	98
164	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019 , 14, 629-635	28.7	92
163	Causative factors behind poloxamer 188 (Pluronic F68, Flocor)-induced complement activation in human sera. A protective role against poloxamer-mediated complement activation by elevated serum lipoprotein levels. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2004 , 1689, 103-13	6.9	92
162	Liposome triggering of innate immune responses: a perspective on benefits and adverse reactions. <i>Journal of Liposome Research</i> , 2009 , 19, 85-90	6.1	81
161	Microspheres for targeting drugs to specific body sites. <i>Journal of Controlled Release</i> , 1993 , 24, 157-163	11.7	80
160	Functionalization with ApoE-derived peptides enhances the interaction with brain capillary endothelial cells of nanoliposomes binding amyloid-beta peptide. <i>Journal of Biotechnology</i> , 2011 , 156, 341-6	3.7	78
159	Chemical camouflage of nanospheres with a poorly reactive surface: towards development of stealth and target-specific nanocarriers. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002 , 1590, 131-9	4.9	77
158	Reshaping the future of nanopharmaceuticals: ad iudicium. <i>ACS Nano</i> , 2011 , 5, 8454-8	16.7	75
157	Differential properties of organ-specific serum opsonins for liver and spleen macrophages. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989 , 984, 379-83	3.8	75
156	Therapeutic synthetic polymers: a game of Russian roulette?. <i>Drug Discovery Today</i> , 2002 , 7, 998-1001	8.8	73
155	Exploiting bone marrow microvascular structure for drug delivery and future therapies. <i>Advanced Drug Delivery Reviews</i> , 1995 , 17, 61-73	18.5	73
154	Modulatory Role of Surface Coating of Superparamagnetic Iron Oxide Nanoworms in Complement Opsonization and Leukocyte Uptake. <i>ACS Nano</i> , 2015 , 9, 10758-68	16.7	69

153	Cancer nanomedicine and the complement system activation paradigm: anaphylaxis and tumour growth. <i>Journal of Controlled Release</i> , 2014 , 190, 556-62	11.7	69
152	Tumour exosomes display differential mechanical and complement activation properties dependent on malignant state: implications in endothelial leakiness. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29685	16.4	69
151	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 64	8.4	69
150	Polymeric particulate technologies for oral drug delivery and targeting: a pathophysiological perspective. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8 Suppl 1, S5-20	6	64
149	The effect of methoxy-PEG chain length and molecular architecture on lymph node targeting of immuno-PEG liposomes. <i>Biomaterials</i> , 2006 , 27, 136-44	15.6	64
148	Complement: alive and kicking nanomedicines. <i>Journal of Biomedical Nanotechnology</i> , 2009 , 5, 364-72	4	64
147	Mechanisms regulating body distribution of nanospheres conditioned with pluronic and tetronic block co-polymers. <i>Advanced Drug Delivery Reviews</i> , 1995 , 16, 183-193	18.5	62
146	Nanomedicine and the complement paradigm. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 458-60	6	59
145	C1q-Mediated Complement Activation and C3 Opsonization Trigger Recognition of Stealth Poly(2-methyl-2-oxazoline)-Coated Silica Nanoparticles by Human Phagocytes. <i>ACS Nano</i> , 2018 , 12, 5834-5847	16.7	58
144	Just so stories: the random acts of anti-cancer nanomedicine performance. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1661-6	6	57
143	Liposome-mediated triggering of complement cascade. <i>Journal of Liposome Research</i> , 2008 , 18, 195-209	6.1	57
142	A structurally diverse library of safe-by-design citrem-phospholipid lamellar and non-lamellar liquid crystalline nano-assemblies. <i>Journal of Controlled Release</i> , 2016 , 239, 1-9	11.7	56
141	Cellular distribution of nonionic micelles. <i>Science</i> , 2004 , 303, 626-8; author reply 626-8	33.3	56
140	Combined MUC1-specific nanobody-tagged PEG-polyethylenimine polyplex targeting and transcriptional targeting of tBid transgene for directed killing of MUC1 over-expressing tumour cells. <i>Journal of Controlled Release</i> , 2011 , 156, 85-91	11.7	55
139	Recent developments in polymeric nanoparticle engineering and their applications in experimental and clinical oncology. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2006 , 6, 553-561	2.2	55
138	Particulate systems for targeting of macrophages: basic and therapeutic concepts. <i>Journal of Innate Immunity</i> , 2012 , 4, 509-28	6.9	53
137	Crossing the blood-brain-barrier with nanoligand drug carriers self-assembled from a phage display peptide. <i>Nature Communications</i> , 2019 , 10, 4635	17.4	52
136	Complement activation turnover on surfaces of nanoparticles. <i>Nano Today</i> , 2017 , 15, 8-10	17.9	51

135	Repeated intraperitoneal injections of liposomes containing phosphatidic acid and cardiolipin reduce amyloid- β levels in APP/PS1 transgenic mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 421-30	6	51
134	High resolution respirometry analysis of polyethylenimine-mediated mitochondrial energy crisis and cellular stress: Mitochondrial proton leak and inhibition of the electron transport system. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013 , 1827, 1213-25	4.6	51
133	Activation of the human complement system by cholesterol-rich and PEGylated liposomes-modulation of cholesterol-rich liposome-mediated complement activation by elevated serum LDL and HDL levels. <i>Journal of Liposome Research</i> , 2006 , 16, 167-74	6.1	51
132	Concentration dependent structural ordering of poloxamine 908 on polystyrene nanoparticles and their modulatory role on complement consumption. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 3126-33	1.3	50
131	Citrem modulates internal nanostructure of glyceryl monooleate dispersions and bypasses complement activation: Towards development of safe tunable intravenous lipid nanocarriers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 1909-14	6	49
130	A single dose of intravenously injected poloxamine-coated long-circulating particles triggers macrophage clearance of subsequent doses in rats. <i>Clinical Science</i> , 1997 , 93, 371-9	6.5	49
129	Modulation of lymphatic distribution of subcutaneously injected poloxamer 407-coated nanospheres: the effect of the ethylene oxide chain configuration. <i>FEBS Letters</i> , 2003 , 540, 241-4	3.8	49
128	The effect of poloxamer-407 on liposome stability and targeting to bone marrow: comparison with polystyrene microspheres. <i>International Journal of Pharmaceutics</i> , 1991 , 68, 121-126	6.5	49
127	Modulatory effect of human plasma on the internal nanostructure and size characteristics of liquid-crystalline nanocarriers. <i>Langmuir</i> , 2015 , 31, 5042-9	4	48
126	Advanced colloid-based systems for efficient delivery of drugs and diagnostic agents to the lymphatic tissues. <i>Progress in Biophysics and Molecular Biology</i> , 1996 , 65, 221-49	4.7	48
125	Opsonophagocytosis of liposomes by peritoneal macrophages and bone marrow reticuloendothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992 , 1135, 269-74	4.9	48
124	T cells expressing VHH-directed oligoclonal chimeric HER2 antigen receptors: towards tumor-directed oligoclonal T cell therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 378-86	4	47
123	Perspectives on carbon nanotube-mediated adverse immune effects. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1700-5	18.5	46
122	Smart polymers in drug delivery: a biological perspective. <i>Polymer Chemistry</i> , 2017 , 8, 41-51	4.9	45
121	Genetically engineered T cells bearing chimeric nanoconstructed receptors harboring TAG-72-specific camelid single domain antibodies as targeting agents. <i>Cancer Letters</i> , 2013 , 334, 237-44	9.9	45
120	Nanomedicine safety in preclinical and clinical development: focus on idiosyncratic injection/infusion reactions. <i>Drug Discovery Today</i> , 2018 , 23, 1034-1042	8.8	44
119	Polyethylenimine-mediated impairment of mitochondrial membrane potential, respiration and membrane integrity: implications for nucleic acid delivery and gene therapy. <i>Mitochondrion</i> , 2012 , 12, 162-8	4.9	41
118	Nanoparticle-mediated gene delivery to tumour neovasculature. <i>Trends in Molecular Medicine</i> , 2003 , 9, 2-4	11.5	41

117	Enhanced hepatic clearance of intravenously administered sterically stabilized microspheres in zymosan-stimulated rats. <i>Journal of Leukocyte Biology</i> , 1993 , 54, 513-7	6.5	41
116	Recent Advances in Cryo-TEM Imaging of Soft Lipid Nanoparticles. <i>AIMS Biophysics</i> , 2015 , 2, 116-130	0.8	39
115	Nanoparticle transport pathways into tumors. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 169	2.3	38
114	Complement monitoring of Pluronic 127 gel and micelles: suppression of copolymer-mediated complement activation by elevated serum levels of HDL, LDL, and apolipoproteins AI and B-100. <i>Journal of Controlled Release</i> , 2013 , 170, 167-74	11.7	37
113	Poly(3-hydroxybutyrate-co-R-3-hydroxyhexanoate) nanoparticles with polyethylenimine coat as simple, safe, and versatile vehicles for cell targeting: population characteristics, cell uptake, and intracellular trafficking. <i>Advanced Healthcare Materials</i> , 2014 , 3, 817-24	10.1	36
112	Recent advances in cellular, sub-cellular and molecular targeting. <i>Advanced Drug Delivery Reviews</i> , 2000 , 41, 129-33	18.5	36
111	Activation of Human Complement System by Dextran-Coated Iron Oxide Nanoparticles Is Not Affected by Dextran/Fe Ratio, Hydroxyl Modifications, and Crosslinking. <i>Frontiers in Immunology</i> , 2016 , 7, 418	8.4	36
110	The Interplay Between Blood Proteins, Complement, and Macrophages on Nanomedicine Performance and Responses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 581-592	4.7	35
109	Poloxamer-188 revisited: a potentially valuable immune modulator. <i>Journal of the National Cancer Institute</i> , 1996 , 88, 766-8	9.7	35
108	Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG Pairing. <i>Nano Letters</i> , 2020 , 20, 4312-4321	11.5	34
107	Genomic perspectives in inter-individual adverse responses following nanomedicine administration: The way forward. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1385-93	18.5	34
106	Prolonging the circulation time and modifying the body distribution of intravenously injected polystyrene nanospheres by prior intravenous administration of poloxamine-908. A 'hepatic-blockade' event or manipulation of nanosphere surface in vivo?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997 , 1331, 1-14	4	33
105	Innovations in avoiding particle clearance from blood by Kupffer cells: cause for reflection. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1994 , 11, 31-59	2.8	33
104	Soluble and immobilized graphene oxide activates complement system differently dependent on surface oxidation state. <i>Biomaterials</i> , 2016 , 78, 20-6	15.6	32
103	Complement activation by PEG-functionalized multi-walled carbon nanotubes is independent of PEG molecular mass and surface density. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013 , 9, 469-73	6	32
102	Ordering of binary polymeric nanoparticles on hydrophobic surfaces assembled from low volume fraction dispersions. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13390-1	16.4	32
101	Capture of stealth nanoparticles by the body's defences. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2001 , 18, 527-50	2.8	32
100	and Differences in Murine Third Complement Component (C3) Opsonization and Macrophage/Leukocyte Responses to Antibody-Functionalized Iron Oxide Nanoworms. <i>Frontiers in Immunology</i> , 2017 , 8, 151	8.4	29

99	Critical issues in site-specific targeting of solid tumours: the carrier, the tumour barriers and the bioavailable drug. <i>Expert Opinion on Drug Delivery</i> , 2008 , 5, 205-19	8	29
98	Modulation of murine liver macrophage clearance of liposomes by diethylstilbestrol. The effect of vesicle surface charge and a role for the complement receptor Mac-1 (CD11b/CD18) of newly recruited macrophages in liposome recognition. <i>Journal of Controlled Release</i> , 2002 , 78, 55-65	11.7	29
97	Allergic Reactions and Anaphylaxis to LNP-Based COVID-19 Vaccines. <i>Molecular Therapy</i> , 2021 , 29, 898-907	90.7	29
96	Polymeric particulate technologies for oral drug delivery and targeting: a pathophysiological perspective. <i>Maturitas</i> , 2012 , 73, 5-18	5	28
95	Lactate dehydrogenase assay for assessment of polycation cytotoxicity. <i>Methods in Molecular Biology</i> , 2013 , 948, 13-22	1.4	26
94	Polyethylenimine architecture-dependent metabolic imprints and perturbation of cellular redox homeostasis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 328-342	4.6	26
93	Real-time evidence of surface modification at polystyrene lattices by poloxamine 908 in the presence of serum: in vivo conversion of macrophage-prone nanoparticles to stealth entities by poloxamine 908. <i>FEBS Letters</i> , 2003 , 547, 177-82	3.8	26
92	Engineering liposomes and nanoparticles for biological targeting. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2011 , 125, 251-80	1.7	25
91	Cisplatin Encapsulation Generates Morphologically Different Multicompartment in the Internal Nanostructures of Nonlamellar Liquid-Crystalline Self-Assemblies. <i>Langmuir</i> , 2018 , 34, 6570-6581	4	25
90	ImmunoPEGLiposome-mediated reduction of blood and brain amyloid levels in a mouse model of Alzheimer's disease is restricted to aged animals. <i>Biomaterials</i> , 2017 , 112, 141-152	15.6	24
89	Polymeric Nanocarriers for siRNA Delivery: Challenges and Future Prospects. <i>Journal of Biomedical Nanotechnology</i> , 2008 , 4, 258-275	4	24
88	Peptide and nucleic acid-directed self-assembly of cationic nanovehicles through giant unilamellar vesicle modification: Targetable nanocomplexes for in vivo nucleic acid delivery. <i>Acta Biomaterialia</i> , 2017 , 51, 351-362	10.8	23
87	Serum factors that regulate phagocytosis of liposomes by Kupffer cells. <i>Biochemical Society Transactions</i> , 1993 , 21, 128S	5.1	23
86	Complement monitoring of carbon nanotubes. <i>Nature Nanotechnology</i> , 2010 , 5, 382; author reply 382-3	28.7	22
85	Complement activation by drug carriers and particulate pharmaceuticals: Principles, challenges and opportunities. <i>Advanced Drug Delivery Reviews</i> , 2020 , 157, 83-95	18.5	21
84	Complement system and the brain: selected pathologies and avenues toward engineering of neurological nanomedicines. <i>Journal of Controlled Release</i> , 2012 , 161, 283-9	11.7	21
83	Structural profiling and biological performance of phospholipid-hyaluronan functionalized single-walled carbon nanotubes. <i>Journal of Controlled Release</i> , 2013 , 170, 295-305	11.7	21
82	Recognition and clearance of methoxypoly(ethyleneglycol)2000-grafted liposomes by macrophages with enhanced phagocytic capacity. Implications in experimental and clinical oncology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001 , 1526, 227-9	4	21

81	Re-establishing the long circulatory behaviour of poloxamine-coated particles after repeated intravenous administration: applications in cancer drug delivery and imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1999 , 1472, 399-403	4	21
80	Differences in the molecular weight profile of poloxamer 407 affect its ability to redirect intravenously administered colloids to the bone marrow. <i>International Journal of Pharmaceutics</i> , 1992 , 83, 273-276	6.5	20
79	Enhanced lymph node retention of subcutaneously injected IgG1-PEG2000-liposomes through pentameric IgM antibody-mediated vesicular aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 51-5	3.8	19
78	Modification of the Stewart biphasic colorimetric assay for stable and accurate quantitative determination of Pluronic and Tetronic block copolymers for application in biological systems. <i>Analytical Biochemistry</i> , 2007 , 361, 287-93	3.1	19
77	Translational gaps in animal models of human infusion reactions to nanomedicines. <i>Nanomedicine</i> , 2018 , 13, 973-975	5.6	19
76	Multivalent targeting and killing of HER2 overexpressing breast carcinoma cells with methotrexate-encapsulated tetra-specific non-overlapping variable domain heavy chain anti-HER2 antibody-PEG-liposomes: In vitro proof-of-concept. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 122, 42-50	5.1	18
75	The effect of block co-polymers on the uptake of model polystyrene microspheres by Kupffer cells--in vitro and in vivo studies. <i>Biochemical Society Transactions</i> , 1991 , 19, 329S	5.1	18
74	Calcium as a possible modulator of Kupffer cell phagocytic function by regulating liver-specific opsonic activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1028, 304-8	3.8	18
73	Poly-(amidoamine) dendrimers with a precisely core positioned sulforhodamine B molecule for comparative biological tracing and profiling. <i>Journal of Controlled Release</i> , 2017 , 246, 88-97	11.7	17
72	Revealing Dynamics of Accumulation of Systemically Injected Liposomes in the Skin by Intravital Microscopy. <i>ACS Nano</i> , 2017 , 11, 11584-11593	16.7	17
71	CAR T-cell bioengineering: Single variable domain of heavy chain antibody targeted CARs. <i>Advanced Drug Delivery Reviews</i> , 2019 , 141, 41-46	18.5	16
70	Differential Modulation of Cellular Bioenergetics by Poly(L-lysine)s of Different Molecular Weights. <i>Biomacromolecules</i> , 2015 , 16, 2119-26	6.9	16
69	Polycation-mediated integrated cell death processes. <i>Advances in Genetics</i> , 2014 , 88, 353-98	3.3	16
68	Biological targeting and innovative therapeutic interventions with phage-displayed peptides and structured nucleic acids (aptamers). <i>Current Opinion in Biotechnology</i> , 2011 , 22, 832-8	11.4	16
67	Complement-mediated tumour growth: implications for cancer nanotechnology and nanomedicines. <i>Molecular Immunology</i> , 2009 , 46, 1571-2	4.3	16
66	Current progress and future prospects of liposomes in dermal drug delivery. <i>Journal of Microencapsulation</i> , 1993 , 10, 155-62	3.4	16
65	New platforms for multi-functional ocular lenses: engineering double-sided functionalized nano-coatings. <i>Journal of Drug Targeting</i> , 2015 , 23, 305-10	5.4	15
64	Effect of splenic congestion associated with haemolytic anaemia on filtration of 'spleen-homing' microspheres. <i>Clinical Science</i> , 1993 , 84, 605-9	6.5	15

63	Non-Lamellar Liquid Crystalline Nanocarriers for Thymoquinone Encapsulation. <i>Molecules</i> , 2019 , 25,	4.8	15
62	Platelet mimicry: The emperor's new clothes?. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 245-8	6	14
61	Complement therapeutics meets nanomedicine: overcoming human complement activation and leukocyte uptake of nanomedicines with soluble domains of CD55. <i>Journal of Controlled Release</i> , 2019 , 302, 181-189	11.7	14
60	Endothelial cells as therapeutic targets in cancer: new biology and novel delivery systems. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2003 , 20, 139-52	2.8	14
59	AFM visualization of sub-50nm polyplex disposition to the nuclear pore complex without compromising the integrity of the nuclear envelope. <i>Journal of Controlled Release</i> , 2016 , 244, 24-29	11.7	13
58	Complement Propriety and Conspiracy in Nanomedicine: Perspective and a Hypothesis. <i>Nucleic Acid Therapeutics</i> , 2016 , 26, 67-72	4.8	12
57	Tunable 3D and 2D polystyrene nanoparticle assemblies using surface wettability, low volume fraction and surfactant effects. <i>Nanotechnology</i> , 2009 , 20, 025604	3.4	12
56	Pharmacokinetic analysis reveals limitations and opportunities for nanomedicine targeting of endothelial and extravascular compartments of tumours. <i>Journal of Drug Targeting</i> , 2019 , 27, 690-698	5.4	12
55	A structurally diverse library of glycerol monooleate/oleic acid non-lamellar liquid crystalline nanodispersions stabilized with nonionic methoxypoly(ethylene glycol) (mPEG)-lipids showing variable complement activation properties. <i>Journal of Colloid and Interface Science</i> , 2021 , 582, 906-917	9.3	12
54	Microneedle-based devices for point-of-care infectious disease diagnostics. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 2344-2361	15.5	11
53	Complement Sensing of Nanoparticles and Nanomedicines. <i>ACS Symposium Series</i> , 2012 , 365-382	0.4	10
52	Complement monitoring of carbon nanotubes. <i>Nature Nanotechnology</i> , 2010 , 5, 382-383	28.7	10
51	Lymphatic targeting of immuno-PEG-liposomes: evaluation of antibody-coupling procedures on lymph node macrophage uptake. <i>Journal of Drug Targeting</i> , 2008 , 16, 586-90	5.4	10
50	Lactate Dehydrogenase Assay for Assessment of Polycation Cytotoxicity. <i>Methods in Molecular Biology</i> , 2019 , 1943, 291-299	1.4	9
49	Total internal reflection fluorescence (TIRF) microscopy for real-time imaging of nanoparticle-cell plasma membrane interaction. <i>Methods in Molecular Biology</i> , 2012 , 906, 473-82	1.4	9
48	Altered tissue-specific opsonic activities and opsono-recognition of liposomes in tumour-bearing rats. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996 , 1285, 56-64	3.8	9
47	Heavy Chain Only Antibodies: A New Paradigm in Personalized HER2+ Breast Cancer Therapy. <i>BiolImpacts</i> , 2013 , 3, 1-4	3.5	9
46	Hexosome engineering for targeting of regional lymph nodes. <i>Materialia</i> , 2020 , 11, 100705	3.2	8

45	Live-cell fluorescent microscopy platforms for real-time monitoring of polyplex-cell interaction: basic guidelines. <i>Methods</i> , 2014 , 68, 300-7	4.6	8
44	Transformation of structurally diverse steroidal analogues by the fungus <i>Corynespora cassiicola</i> CBS 161.60 results in generation of 8 β monohydroxylated metabolites with evidence in favour of 8 β hydroxylation through inverted binding in the 9 β hydroxylase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 1054-61	5	8
43	Reciprocity in the developmental regulation of aquaporins 1, 3 and 5 during pregnancy and lactation in the rat. <i>PLoS ONE</i> , 2014 , 9, e106809	3.7	8
42	Airborne Particulate Matter and SARS-CoV-2 Partnership: Virus Hitchhiking, Stabilization and Immune Cell Targeting - A Hypothesis. <i>Frontiers in Immunology</i> , 2020 , 11, 579352	8.4	8
41	Surfactant-mediated complement activation in beagle dogs. <i>International Immunopharmacology</i> , 2013 , 17, 33-4	5.8	7
40	Polymeric Nanoparticles as Drug Carriers and Controlled Release Implant Devices 2006 , 29-42		7
39	Complement opsonization of nanoparticles: Differences between humans and preclinical species. <i>Journal of Controlled Release</i> , 2021 , 338, 548-556	11.7	7
38	Liposome recognition by resident and newly recruited murine liver macrophages. <i>Journal of Liposome Research</i> , 2002 , 12, 67-70	6.1	6
37	Determination of Polycation-Mediated Perturbation of Mitochondrial Respiration in Intact Cells by High-Resolution Respirometry (Oxygraph-2k, OROBOROS). <i>Methods in Molecular Biology</i> , 2019 , 1943, 313-322	1.4	5
36	The Role of Complement in Antibody Therapy for Infectious Diseases. <i>Microbiology Spectrum</i> , 2014 , 2,	8.9	5
35	Insidious pathogen-mimicking properties of nanoparticles in triggering the lectin pathway of the complement system. <i>European Journal of Nanomedicine</i> , 2015 , 7,		5
34	Physiopathological and physicochemical considerations in targeting of colloids and drug carriers to the bone marrow. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1990 , 7, 187-209	2.8	5
33	Defining and characterizing non-biological complex drugs (NBCDs) ¶s size enough? The case for liposomal doxorubicin generics (¶liposomal nanosimilars¶)for injection. <i>GaBI Journal</i> , 2014 , 3, 56-57	3.1	5
32	Roadmap on nanomedicine. <i>Nanotechnology</i> , 2021 , 32, 012001	3.4	5
31	Interaction of extremophilic archaeal viruses with human and mouse complement system and viral biodistribution in mice. <i>Molecular Immunology</i> , 2017 , 90, 273-279	4.3	4
30	Synthetic polymers in 21st century therapeutics: the way forward. <i>Drug Discovery Today</i> , 2003 , 8, 154-6	8.8	4
29	Organ-Specific Targeting of Synthetic and Natural Drug Carriers. <i>Advances in Molecular and Cell Biology</i> , 1994 , 9, 263-282		4
28	Exploitation of Macrophage Clearance Functions In Vivo. <i>Handbook of Experimental Pharmacology</i> , 2003 , 41-54	3.2	4

27	Integrin-Targeted, Short Interfering RNA Nanocomplexes for Neuroblastoma Tumor-Specific Delivery Achieve MYCN Silencing with Improved Survival. <i>Advanced Functional Materials</i> , 2021 , 31, 21048-56	15.6	4
26	Recognition of extremophilic archaeal viruses by eukaryotic cells: a promising nanoplatfrom from the third domain of life. <i>Scientific Reports</i> , 2016 , 6, 37966	4.9	4
25	The Innate Immune Responses, Adjuvants and Delivery Systems 113-127		4
24	The Art of Complement: Complement Sensing of Nanoparticles and Consequences. <i>Advances in Delivery Science and Technology</i> , 2016 , 43-51		3
23	Nanoparticles in Medicine: Nanoparticle Engineering for Macrophage Targeting and Nanoparticles that Avoid Macrophage Recognition 2014 , 77-89		3
22	Complement monitoring of nanomedicines and implants. <i>Advanced Drug Delivery Reviews</i> , 2011 , 63, 963-8.5	18.5	3
21	Complement Activation by Nanomaterials. <i>Molecular and Integrative Toxicology</i> , 2020 , 83-98	0.5	3
20	Tissue Specific Serum Opsonins and Phagocytosis of Liposomes 1990 , 87-94		3
19	Factors Controlling Pharmacokinetics of Intravenously Injected Nanoparticulate Systems 2009 , 267-282		2
18	Activation of the mononuclear phagocyte system by poloxamine 908: its implications for targeted drug delivery. <i>Pharmaceutical Research</i> , 1997 , 14, 1629-33	4.5	2
17	The diagnostic potential of microneedles in infectious diseases. <i>Precision Nanomedicine</i> ,	1.2	2
16	Hypersensitivity Reactions to Nanomedicines: Causative Factors and Optimization of Design Parameters 2010 , 225-237		2
15	Uptake and Intracellular Trafficking of Nanocarriers. <i>Fundamental Biomedical Technologies</i> , 2014 , 117-138		2
14	Chapter 3: Nanoparticle Engineering for the Lymphatic System and Lymph Node Targeting. <i>RSC Nanoscience and Nanotechnology</i> , 2010 , 81-97		2
13	Dendrimer end-terminal motif-dependent evasion of human complement and complement activation through IgM hitchhiking. <i>Nature Communications</i> , 2021 , 12, 4858	17.4	2
12	Cell medium-dependent dynamic modulation of size and structural transformations of binary phospholipid/BB fatty acid liquid crystalline nano-self-assemblies: Implications in interpretation of cell uptake studies. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 464-479	9.3	2
11	Perturbation of mitochondrial bioenergetics by polycations counteracts resistance to BRAF inhibition in melanoma cells. <i>Journal of Controlled Release</i> , 2019 , 309, 158-172	11.7	1
10	Anatomical and Physicochemical Factors Controlling Nanoparticle Pharmacokinetics. <i>Frontiers in Nanobiomedical Research</i> , 2014 , 31-44		1

9	Combined fluorimetric caspase 3/7 assay and bradford protein determination for assessment of polycation-mediated cytotoxicity. <i>Methods in Molecular Biology</i> , 2013 , 948, 23-33	1.4	1
8	Particulate nanomedicine in the footsteps of platelet homing. <i>Nanomedicine</i> , 2007 , 2, 381-4	5.6	1
7	Hormonal Control of Macrophage Phagocytosis of Phospholipid Vesicles. <i>Journal of Liposome Research</i> , 2000 , 10, 409-417	6.1	1
6	A special issue on nano- and micro-technologies for biological targeting, tracking, imaging and sensing. <i>Journal of Biomedical Nanotechnology</i> , 2009 , 5, 611-3	4	1
5	Skin Biosensing and Bioanalysis: what the Future Holds. <i>Precision Nanomedicine</i> , 2018 , 1, 124-127	1.2	1
4	Critical issues and pitfalls in serum and plasma handling for complement analysis in nanomedicine and bionanotechnology. <i>Nano Today</i> , 2022 , 44, 101479	17.9	1
3	Combined Fluorimetric Caspase-3/7 Assay and Bradford Protein Determination for Assessment of Polycation-Mediated Cytotoxicity. <i>Methods in Molecular Biology</i> , 2019 , 1943, 301-311	1.4	
2	Recent Developments and Limitations of Poloxamine-Coated Long-Circulating Particles in Experimental Drug Delivery 1998 , 263-274		
1	The Role of Complement in Antibody Therapy for Infectious Diseases63-74		