

# Macropinocytosis: regulated coordination of endocytic events

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enlargeosome Traffic: Exocytosis Triggered by Various Signals Is Followed by Endocytosis, Membrane Shedding or Both. <i>Traffic</i> , 2007, 8, 742-757.	1.3	101
2	Macropinocytosis: searching for an endocytic identity and role in the uptake of cell penetrating peptides. <i>Journal of Cellular and Molecular Medicine</i> , 2007, 11, 670-684.	1.6	255
3	Preparation of Biodegradable Polymer Nanoparticles by Miniemulsion Technique and Their Cell Interactions. <i>Macromolecular Bioscience</i> , 2008, 8, 127-139.	2.1	124
4	Synthesis of Fluorescent Polyisoprene Nanoparticles and their Uptake into Various Cells. <i>Macromolecular Bioscience</i> , 2008, 8, 711-727.	2.1	39
5	The closure of Pak1-dependent macropinosomes requires the phosphorylation of CtBP1/BARS. <i>EMBO Journal</i> , 2008, 27, 970-981.	3.5	177
6	Macropinocytosis and cytoskeleton contribute to dendritic cell-mediated HIV-1 transmission to CD4+ T cells. <i>Virology</i> , 2008, 381, 143-154.	1.1	43
7	Macromolecular uptake in <i>Drosophila</i> pericardial cells requires rudhira function. <i>Experimental Cell Research</i> , 2008, 314, 1804-1810.	1.2	26
8	Entry route of HCMV into endothelial cells. <i>Journal of Clinical Virology</i> , 2008, 41, 174-179.	1.6	53
9	The regulated exocytosis of enlargeosomes is mediated by a SNARE machinery that includes VAMP4. <i>Journal of Cell Science</i> , 2008, 121, 2983-2991.	1.2	54
10	A Catalytically Independent Physiological Function for Human Acute Phase Protein Group IIA Phospholipase A2. <i>Journal of Biological Chemistry</i> , 2008, 283, 5034-5045.	1.6	28
11	Identification of a developmentally regulated pathway of membrane retrieval in neuronal growth cones. <i>Journal of Cell Science</i> , 2008, 121, 3757-3769.	1.2	53
12	Microglia Mediate the Clearance of Soluble A $\beta$ 2 through Fluid Phase Macropinocytosis. <i>Journal of Neuroscience</i> , 2009, 29, 4252-4262.	1.7	362
13	Ultrasound and Microbubble-Targeted Delivery of Macromolecules Is Regulated by Induction of Endocytosis and Pore Formation. <i>Circulation Research</i> , 2009, 104, 679-687.	2.0	388
14	Cell-surface Accumulation of Flock House Virus-derived Peptide Leads to Efficient Internalization via Macropinocytosis. <i>Molecular Therapy</i> , 2009, 17, 1868-1876.	3.7	100
15	Macropinocytosis in Shiga toxin 1 uptake by human intestinal epithelial cells and transcellular transcytosis. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G78-G92.	1.6	89
16	Importance of intermolecular interaction on the improvement of intestinal therapeutic peptide/protein absorption using cell-penetrating peptides. <i>Journal of Controlled Release</i> , 2009, 136, 179-186.	4.8	110
17	Towards Ideal Magnetofluorescent Nanoparticles for Bimodal Detection of Breast Cancer Cells. <i>Small</i> , 2009, 5, 2555-2564.	5.2	40
18	Endocytosis and Intracellular Trafficking of Human Natural Killer Cell Receptors. <i>Traffic</i> , 2009, 10, 1735-1744.	1.3	15

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19	High performance mRNA transfection through carbonate apatite-cationic liposome conjugates. <i>Biomaterials</i> , 2009, 30, 4006-4013.	5.7	54
20	A high molecular arabinogalactan from <i>Ribes nigrum</i> L.: influence on cell physiology of human skin fibroblasts and keratinocytes and internalization into cells via endosomal transport. <i>Carbohydrate Research</i> , 2009, 344, 1001-1008.	1.1	32
21	Role of antibodies in controlling dengue virus infection. <i>Immunobiology</i> , 2009, 214, 613-629.	0.8	35
22	Interaction of Nanoparticles with Cells. <i>Biomacromolecules</i> , 2009, 10, 2379-2400.	2.6	518
23	Laser-Activated Gene Silencing via Gold Nanoshell-siRNA Conjugates. <i>ACS Nano</i> , 2009, 3, 2007-2015.	7.3	267
24	Molecular mechanisms of clathrin-independent endocytosis. <i>Journal of Cell Science</i> , 2009, 122, 1713-1721.	1.2	251
26	Molecular imaging analysis of intestinal insulin absorption boosted by cell-penetrating peptides by using positron emission tomography. <i>Journal of Controlled Release</i> , 2010, 146, 16-22.	4.8	42
27	Abi1/Hssh3bp1 pY213 links Abl kinase signaling to p85 regulatory subunit of PI3 kinase in regulation of macropinocytosis in LNCaP cells. <i>FEBS Letters</i> , 2010, 584, 3279-3286.	1.3	29
28	Microglia in the degenerating brain are capable of phagocytosis of beads and of apoptotic cells, but do not efficiently remove PrP <sup>Sc</sup> , even upon LPS stimulation. <i>Glia</i> , 2010, 58, 2017-2030.	2.5	88
29	Mapping Local pH in Live Cells Using Encapsulated Fluorescent SERS Nanotags. <i>Small</i> , 2010, 6, 618-622.	5.2	151
30	Endocytosis unplugged: multiple ways to enter the cell. <i>Cell Research</i> , 2010, 20, 256-275.	5.7	455
31	Differential Regulation of Macropinocytosis by Abi1/Hssh3bp1 Isoforms. <i>PLoS ONE</i> , 2010, 5, e10430.	1.1	39
32	Multiple Pathways Involved in Porcine Parvovirus Cellular Entry and Trafficking toward the Nucleus. <i>Journal of Virology</i> , 2010, 84, 7782-7792.	1.5	61
33	Frequent Calcium Oscillations Lead to NFAT Activation in Human Immature Dendritic Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 16003-16011.	1.6	29
34	Human Rhinovirus 14 Enters Rhabdomyosarcoma Cells Expressing ICAM-1 by a Clathrin-, Caveolin-, and Flotillin-Independent Pathway. <i>Journal of Virology</i> , 2010, 84, 3984-3992.	1.5	27
35	Integrin Stimulation Favors Uptake of Macromolecules by Cardiomyocytes & In Vitro. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 999-1010.	1.1	10
36	Amiloride inhibits macropinocytosis by lowering submembranous pH and preventing Rac1 and Cdc42 signaling. <i>Journal of Cell Biology</i> , 2010, 188, 547-563.	2.3	731
38	Role of the P2Y12 Receptor in the Modulation of Murine Dendritic Cell Function by ADP. <i>Journal of Immunology</i> , 2010, 185, 5900-5906.	0.4	74

#	ARTICLE	IF	CITATIONS
39	A Differential Role for Macropinocytosis in Mediating Entry of the Two Forms of Vaccinia Virus into Dendritic Cells. <i>PLoS Pathogens</i> , 2010, 6, e1000866.	2.1	82
40	Cellular Entry of Ebola Virus Involves Uptake by a Macropinocytosis-Like Mechanism and Subsequent Trafficking through Early and Late Endosomes. <i>PLoS Pathogens</i> , 2010, 6, e1001110.	2.1	362
41	Dendritic cell function at low physiological temperature. <i>Journal of Leukocyte Biology</i> , 2010, 88, 747-756.	1.5	12
42	Poly(glycoamidoamine) Vehicles Promote pDNA Uptake through Multiple Routes and Efficient Gene Expression via Caveolae-Mediated Endocytosis. <i>Molecular Pharmaceutics</i> , 2010, 7, 738-750.	2.3	87
43	The Tyro3 Receptor Kinase Axl Enhances Macropinocytosis of Zaire Ebolavirus. <i>Journal of Virology</i> , 2011, 85, 334-347.	1.5	138
44	Investigating Circular Dorsal Ruffles through Varying Substrate Stiffness and Mathematical Modeling. <i>Biophysical Journal</i> , 2011, 101, 2122-2130.	0.2	31
45	Interaction of Densely Polymer-Coated Gold Nanoparticles with Epithelial Caco-2 Monolayers. <i>Biomacromolecules</i> , 2011, 12, 1339-1348.	2.6	56
46	Enhanced internalization of ErbB2 in SK-BR-3 cells with multivalent forms of an artificial ligand. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 2525-2538.	1.6	18
47	Entry of a heparan sulphate-binding HRV8 variant strictly depends on dynamin but not on clathrin, caveolin, and flotillin. <i>Virology</i> , 2011, 412, 55-67.	1.1	30
48	Cellular Uptake, Intracellular Trafficking, and Cytotoxicity of Nanomaterials. <i>Small</i> , 2011, 7, 1322-1337.	5.2	975
49	Excellent Correlation between Drug Release and Portal Size in Metal-Encapsulated Drug Delivery Systems. <i>Chemistry - A European Journal</i> , 2011, 17, 9669-9677.	1.7	90
50	A Novel Tumor-Associated Pancreatic Glycoprotein Is Internalized by Human Dendritic Cells and Induces Their Maturation. <i>Journal of Immunology</i> , 2011, 186, 4067-4077.	0.4	10
51	Pulsed magneto-motive ultrasound imaging to detect intracellular accumulation of magnetic nanoparticles. <i>Nanotechnology</i> , 2011, 22, 415105.	1.3	22
52	Enterohemorrhagic <i>Escherichia coli</i> infection stimulates Shiga toxin 1 macropinocytosis and transcytosis across intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1140-C1149.	2.1	40
53	Baculovirus GP64-Mediated Entry into Mammalian Cells. <i>Journal of Virology</i> , 2012, 86, 2610-2620.	1.5	65
54	Apolipoprotein E Promotes $\beta$ -Amyloid Trafficking and Degradation by Modulating Microglial Cholesterol Levels. <i>Journal of Biological Chemistry</i> , 2012, 287, 2032-2044.	1.6	136
55	Reggins/flotillins regulate E-cadherin-mediated cell contact formation by affecting EGFR trafficking. <i>Molecular Biology of the Cell</i> , 2012, 23, 1812-1825.	0.9	57
56	Cell surface dynamics – how Rho GTPases orchestrate the interplay between the plasma membrane and the cortical cytoskeleton. <i>Journal of Cell Science</i> , 2012, 125, 4435-44.	1.2	93

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57	Antigen stored in dendritic cells after macropinocytosis is released unprocessed from late endosomes to target B cells. <i>Blood</i> , 2012, 119, 95-105.	0.6	47
58	Oral biodrug delivery using cell-penetrating peptide. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 531-539.	6.6	160
59	CXCR4 Stimulates Macropinocytosis: Implications for Cellular Uptake of Arginine-Rich Cell-Penetrating Peptides and HIV. <i>Chemistry and Biology</i> , 2012, 19, 1437-1446.	6.2	103
61	Cell-penetrating Peptide-biodrug Strategy for Oral and Nasal Delivery: Review of Recent Findings. <i>Journal of Experimental and Clinical Medicine</i> , 2012, 4, 198-202.	0.2	7
62	Cellular uptake pathways of lipid-modified cationic polymers in gene delivery to primary cells. <i>Biomaterials</i> , 2012, 33, 7834-7848.	5.7	65
63	Human Cytomegalovirus Entry into Dendritic Cells Occurs via a Macropinocytosis-Like Pathway in a pH-Independent and Cholesterol-Dependent Manner. <i>PLoS ONE</i> , 2012, 7, e34795.	1.1	64
64	Uptake mechanisms of non-viral gene delivery. <i>Journal of Controlled Release</i> , 2012, 158, 371-378.	4.8	254
65	Photoinduced RNA Interference. <i>Accounts of Chemical Research</i> , 2012, 45, 1039-1047.	7.6	68
66	How reggies regulate regeneration and axon growth. <i>Cell and Tissue Research</i> , 2012, 349, 71-77.	1.5	21
67	At the Crossroads of Chemistry and Cell Biology: Inhibiting Membrane Traffic by Small Molecules. <i>Traffic</i> , 2012, 13, 495-504.	1.3	56
68	Elucidating the mechanisms of nickel compound uptake: A review of particulate and nano-nickel endocytosis and toxicity. <i>Toxicology and Applied Pharmacology</i> , 2012, 260, 1-16.	1.3	129
69	FRET Imaging Reveals Different Cellular Entry Routes of Self-Assembled and Disulfide Bonded Polymeric Micelles. <i>Molecular Pharmaceutics</i> , 2013, 10, 3497-3506.	2.3	47
70	Mechanistic Study of the Uptake/Permeation of Cell-Penetrating Peptides Across a Caco-2 Monolayer and Their Stimulatory Effect on Epithelial Insulin Transport. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3998-4008.	1.6	61
71	Alginate induce legumain activity in RAW 264.7 cells and accelerate autoactivation of prolegumain. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2013, 2, 30-44.	1.5	12
72	Adaptor protein complex 2-mediated, clathrin-dependent endocytosis, and related gene activities, are a prominent feature during maturation stage amelogenesis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 672-687.	3.1	39
73	Reggies/flotillins interact with Rab11a and SNX4 at the tubulovesicular recycling compartment and function in transferrin receptor and E-cadherin trafficking. <i>Molecular Biology of the Cell</i> , 2013, 24, 2689-2702.	0.9	74
74	Cellular Uptake Mechanism of Non-Viral Gene Delivery and Means for Improving Transfection Efficiency. , 0, , .		3
75	Chlorotoxin-Fc Fusion Inhibits Release of MMP-2 from Pancreatic Cancer Cells. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	21

#	ARTICLE	IF	CITATIONS
76	Cellular Mechanisms in Nanomaterial Internalization, Intracellular Trafficking, and Toxicity. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 201-227.	0.1	17
77	Inflammatory Stimuli Reprogram Macrophage Phagocytosis to Macropinocytosis for the Rapid Elimination of Pathogens. <i>PLoS Pathogens</i> , 2014, 10, e1003879.	2.1	72
78	Uptake of Shiga-toxigenic <i>E. coli</i> SubAB by HeLa cells requires an actin- and lipid raft-dependent pathway. <i>Cellular Microbiology</i> , 2014, 16, 1582-1601.	1.1	22
79	Subcellular drug targeting, pharmacokinetics and bioavailability. <i>Journal of Drug Targeting</i> , 2014, 22, 95-115.	2.1	15
80	Cell penetrating peptides: Efficient vectors for delivery of nanoparticles, nanocarriers, therapeutic and diagnostic molecules. <i>Peptides</i> , 2014, 57, 78-94.	1.2	226
81	Nanotoxicology. <i>Nanomedicine and Nanotoxicology</i> , 2014, , .	0.1	20
82	Lanthanide-Based Imaging of Protein-Protein Interactions in Live Cells. <i>Inorganic Chemistry</i> , 2014, 53, 1839-1853.	1.9	65
83	Differential Polymer Structure Tunes Mechanism of Cellular Uptake and Transfection Routes of Poly( $\beta$ -amino ester) Polyplexes in Human Breast Cancer Cells. <i>Bioconjugate Chemistry</i> , 2014, 25, 43-51.	1.8	72
84	Insight into nanoparticle cellular uptake and intracellular targeting. <i>Journal of Controlled Release</i> , 2014, 190, 485-499.	4.8	624
85	Neuronal-Glial-Endothelial Interactions Regulate Central Nervous System Homeostasis. , 2015, , 36-75.		0
86	Human Granulocyte Macrophage Colony-Stimulating Factor Enhances Antibiotic Susceptibility of <i>Pseudomonas aeruginosa</i> Persister Cells. <i>Scientific Reports</i> , 2015, 5, 17315.	1.6	19
87	Two complementary approaches for intracellular delivery of exogenous enzymes. <i>Scientific Reports</i> , 2015, 5, 12444.	1.6	13
88	Effects of Intracellular Process on the Therapeutic Activation of Nanomedicine. <i>Pharmaceutica Analytica Acta</i> , 2015, 06, .	0.2	0
89	Cell Penetrating Peptide Conjugated Chitosan for Enhanced Delivery of Nucleic Acid. <i>International Journal of Molecular Sciences</i> , 2015, 16, 28912-28930.	1.8	66
90	Cdc42-dependent actin dynamics controls maturation and secretory activity of dendritic cells. <i>Journal of Cell Biology</i> , 2015, 211, 553-567.	2.3	40
91	The uptake of HIV Tat peptide proceeds via two pathways which differ from macropinocytosis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 869-877.	1.4	24
92	The Polar High Molecular Weight Fraction of the <i>Agaricus blazei</i> Murill Extract, AndoSan <sup>®</sup> , <sup>®</sup> , Reduces the Activity of the Tumor-Associated Protease, Legumain, in RAW 264.7 Cells. <i>Journal of Medicinal Food</i> , 2015, 18, 429-438.	0.8	20
93	Design of a platform technology for systemic delivery of siRNA to tumours using rolling circle transcription. <i>Nature Communications</i> , 2015, 6, 7930.	5.8	85

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94	Active macropinocytosis induction by stimulation of epidermal growth factor receptor and oncogenic Ras expression potentiates cellular uptake efficacy of exosomes. <i>Scientific Reports</i> , 2015, 5, 10300.	1.6	214
95	Cell migration and antigen capture are antagonistic processes coupled by myosin II in dendritic cells. <i>Nature Communications</i> , 2015, 6, 7526.	5.8	143
96	Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2015, 1324, v-viii.	0.4	18
97	Non-apoptotic cell death associated with perturbations of macropinocytosis. <i>Frontiers in Physiology</i> , 2015, 6, 38.	1.3	61
98	The mechanisms of genetically modified vaccinia viruses for the treatment of cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 95, 407-416.	2.0	27
99	Surface-enhanced resonance Raman scattering nanostars for high-precision cancer imaging. <i>Science Translational Medicine</i> , 2015, 7, 271ra7.	5.8	236
100	Paclitaxel-loaded expansile nanoparticles enhance chemotherapeutic drug delivery in mesothelioma 3-dimensional multicellular spheroids. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1417-1425.e1.	0.4	22
101	Visualizing Actin Architectures in Cells Incubated with Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2015, 1324, 247-259.	0.4	1
102	Multivalent Glycosylation of Fluorescent Gold Nanoclusters Promotes Increased Human Dendritic Cell Targeting via Multiple Endocytic Pathways. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20945-20956.	4.0	56
103	Design and Application of Rolling Circle Amplification for a Tumor-Specific Drug Carrier. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7863-7873.	2.9	12
104	Dynamics of the membrane-cytoskeleton interface in MHC class II-restricted antigen presentation. <i>Immunological Reviews</i> , 2016, 272, 39-51.	2.8	21
105	Shape transitions during clathrin-induced endocytosis. <i>Physical Review E</i> , 2016, 94, 062404.	0.8	15
106	FRMD4A-cytohesin signaling modulates cellular release of Tau. <i>Journal of Cell Science</i> , 2016, 129, 2003-15.	1.2	27
107	Enzymatically Modified Low-Density Lipoprotein Promotes Foam Cell Formation in Smooth Muscle Cells via Macropinocytosis and Enhances Receptor-Mediated Uptake of Oxidized Low-Density Lipoprotein. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1101-1113.	1.1	56
108	Mechanism of Enhanced Cellular Uptake and Cytosolic Retention of MK2 Inhibitory Peptide Nano-polyplexes. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 368-381.	1.0	33
109	Oral absorption of peptides and nanoparticles across the human intestine: Opportunities, limitations and studies in human tissues. <i>Advanced Drug Delivery Reviews</i> , 2016, 106, 256-276.	6.6	361
110	Transport phenomena of nanoparticles in plants and animals/humans. <i>Environmental Research</i> , 2016, 151, 233-243.	3.7	60
111	Vectorization of biomacromolecules into cells using extracellular vesicles with enhanced internalization induced by macropinocytosis. <i>Scientific Reports</i> , 2016, 6, 34937.	1.6	69

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112	PEG Graftedâ€”Nanodiamonds for the Delivery of Gemcitabine. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2023-2029.	2.0	26
113	Genetic impairment of parasite myosin motors uncovers the contribution of host cell membrane dynamics to <i>Toxoplasma</i> invasion forces. <i>BMC Biology</i> , 2016, 14, 97.	1.7	31
114	Findings questioning the involvement of Sigma-1 receptor in the uptake of anisamide-decorated particles. <i>Journal of Controlled Release</i> , 2016, 224, 229-238.	4.8	24
115	Nanoparticulate Systems for Controlling Monocyte/Macrophage Behavior. , 2016, , 291-304.		5
116	Microscale Technologies for Cell Engineering. , 2016, , .		3
117	Cellular interactions of a lipid-based nanocarrier model with human keratinocytes: Unravelling transport mechanisms. <i>Acta Biomaterialia</i> , 2017, 53, 439-449.	4.1	28
118	The Effect of Surface Charges on the Cellular Uptake of Liposomes Investigated by Live Cell Imaging. <i>Pharmaceutical Research</i> , 2017, 34, 704-717.	1.7	85
119	MYC Mediates Large Oncosome-Induced Fibroblast Reprogramming in Prostate Cancer. <i>Cancer Research</i> , 2017, 77, 2306-2317.	0.4	119
120	Endocytosis of tight junction proteins and the regulation of degradation and recycling. <i>Annals of the New York Academy of Sciences</i> , 2017, 1397, 54-65.	1.8	73
121	Spatiotemporally and Sequentially-Controlled Drug Release from Polymer Gatekeeperâ€”Hollow Silica Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 46540.	1.6	45
122	Effect of partial PEGylation on particle uptake by macrophages. <i>Nanoscale</i> , 2017, 9, 288-297.	2.8	81
123	Arginine-rich cell-penetrating peptide-modified extracellular vesicles for active macropinocytosis induction and efficient intracellular delivery. <i>Scientific Reports</i> , 2017, 7, 1991.	1.6	130
124	Advances in understanding the role of disease-associated proteins in spinal muscular atrophy. <i>Expert Review of Proteomics</i> , 2017, 14, 581-592.	1.3	35
125	Cytosolic antibody delivery by lipid-sensitive endosomolytic peptide. <i>Nature Chemistry</i> , 2017, 9, 751-761.	6.6	271
126	Involvement of a Rac1-Dependent Macropinocytosis Pathway in Plasmid DNA Delivery by Electrotransfection. <i>Molecular Therapy</i> , 2017, 25, 803-815.	3.7	33
127	E-beam crosslinked nanogels conjugated with monoclonal antibodies in targeting strategies. <i>Biological Chemistry</i> , 2017, 398, 277-287.	1.2	14
128	Internalization properties of the anti-tumor $\beta$ -lactalbumin-oleic acid complex. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 44-51.	3.6	19
129	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	18.7	1,709



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130	CCAAT/enhancer-binding protein delta promotes intracellular lipid accumulation in M1 macrophages of vascular lesions. <i>Cardiovascular Research</i> , 2017, 113, 1376-1388.	1.8	28
131	The agglomeration state of nanoparticles can influence the mechanism of their cellular internalisation. <i>Journal of Nanobiotechnology</i> , 2017, 15, 48.	4.2	73
132	Inhibition of Megakaryocyte Differentiation by Antibody-Drug Conjugates (ADCs) is Mediated by Macropinocytosis: Implications for ADC-induced Thrombocytopenia. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1877-1886.	1.9	38
133	Water-pipe smoke condensate increases the internalization of Mycobacterium Bovis of type II alveolar epithelial cells (A549). <i>BMC Pulmonary Medicine</i> , 2017, 17, 68.	0.8	10
134	Role of Passive Diffusion, Transporters, and Membrane Trafficking-Mediated Processes in Cellular Drug Transport. <i>Clinical Pharmacology and Therapeutics</i> , 2017, 101, 121-129.	2.3	28
135	Safety of Carbon Nanotubes. , 2017, , 405-431.		2
136	Indium Tin Oxide Microsystem for Electrochemical Detection of Exocytosis of Migratory Dendritic Cells. <i>Electroanalysis</i> , 2017, 29, 197-202.	1.5	1
137	Cell-penetrating peptides recruit type A scavenger receptors to the plasma membrane for cellular delivery of nucleic acids. <i>FASEB Journal</i> , 2017, 31, 975-988.	0.2	30
138	Dynamic fingerprinting of sub-cellular nanostructures by image mean square displacement analysis. <i>Scientific Reports</i> , 2017, 7, 14836.	1.6	18
139	Bacoside A Induces Tumor Cell Death in Human Glioblastoma Cell Lines through Catastrophic Macropinocytosis. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 171.	1.4	32
140	Proteomic Profiling Reveals the Transglutaminase-2 Externalization Pathway in Kidneys after Unilateral Ureteric Obstruction. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 880-905.	3.0	40
141	HIV internalization into oral and genital epithelial cells by endocytosis and macropinocytosis leads to viral sequestration in the vesicles. <i>Virology</i> , 2018, 515, 92-107.	1.1	28
142	Epidermal growth factor induced macropinocytosis directs branch formation of lung epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 297-303.	1.0	12
143	S100/RAGE-Mediated Inflammation and Modified Cholesterol Lipoproteins as Mediators of Osteoblastic Differentiation of Vascular Smooth Muscle Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 163.	1.1	19
144	Antitumor activity of the bioreductive prodrug 3-(2-nitrophenyl) propionic acid-paclitaxel nanoparticles (NPPA-PTX NPs) on MDA-MB-231 cells: in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 195-204.	3.3	6
145	Meridianin C inhibits the growth of YD10B human tongue cancer cells through macropinocytosis and the down-regulation of Dickkopf-related protein-3. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5833-5846.	1.6	15
146	Helicobacter pylori Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. <i>Frontiers in Immunology</i> , 2018, 9, 1466.	2.2	139
147	Promoting Inter-/Intra- Cellular Process of Nanomedicine through its Physicochemical Properties Optimization. <i>Current Drug Metabolism</i> , 2018, 19, 75-82.	0.7	5

#	ARTICLE	IF	CITATIONS
148	Functional Moieties for Intracellular Traffic of Nanomaterials. , 2018, , 399-448.		4
149	Contrasting roles for actin in the cellular uptake of cell penetrating peptide conjugates. Scientific Reports, 2018, 8, 7318.	1.6	23
150	Effects of gefitinib treatment on cellular uptake of extracellular vesicles in EGFR-mutant non-small cell lung cancer cells. International Journal of Pharmaceutics, 2019, 572, 118762.	2.6	30
151	Optimization of the method for analyzing endocytosis of fluorescently tagged molecules: Impact of incubation in the cell culture medium and cell surface wash with glycine-hydrochloric acid buffer. Journal of Controlled Release, 2019, 310, 127-140.	4.8	11
152	Biological Responses to Nanoscale Particles. Nanoscience and Technology, 2019, , .	1.5	9
153	Nanocarriers and Immune Cells. Nanoscience and Technology, 2019, , 255-279.	1.5	1
154	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. Advanced Drug Delivery Reviews, 2019, 143, 68-96.	6.6	561
155	Cellular Uptake Mechanisms and Detection of Nanoparticle Uptake by Advanced Imaging Methods. Nanoscience and Technology, 2019, , 191-211.	1.5	3
156	The origins and evolution of macropinocytosis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180158.	1.8	108
157	The Role of Nanovaccine in Cross-Presentation of Antigen-Presenting Cells for the Activation of CD8+ T Cell Responses. Pharmaceutics, 2019, 11, 612.	2.0	57
158	Mannose-Decorated Dendritic Polyglycerol Nanocarriers Drive Antiparasitic Drugs To Leishmania infantum-Infected Macrophages. Pharmaceutics, 2020, 12, 915.	2.0	8
159	Effects of intestinal luminal contents and the importance of microfold cells on the ability of cell-penetrating peptides to enhance epithelial permeation of insulin. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 155, 77-87.	2.0	10
160	Transport of PEGylated-PLA nanoparticles across a blood brain barrier model, entry into neuronal cells and in vivo brain bioavailability. Journal of Controlled Release, 2020, 328, 679-695.	4.8	45
161	Endocytosis in cellular uptake of drug delivery vectors: Molecular aspects in drug development. Bioorganic and Medicinal Chemistry, 2020, 28, 115556.	1.4	24
162	&lt;p&gt;Hydroxyapatite Particles Induced Modulation of Collagen Expression and Secretion in Primary Human Dermal Fibroblasts&lt;/p&gt;. International Journal of Nanomedicine, 2020, Volume 15, 4943-4956.	3.3	12
163	Human immunodeficiency virus interaction with oral and genital mucosal epithelia may lead to epithelialâ€mesenchymal transition and sequestration of virions in the endosomal compartments. Oral Diseases, 2020, 26, 40-46.	1.5	4
164	Modulated Electro-Hyperthermia-Induced Tumor Damage Mechanisms Revealed in Cancer Models. International Journal of Molecular Sciences, 2020, 21, 6270.	1.8	36
165	Antibody-Based Receptor Targeting Using an Fc-Binding Peptide-Dodecaborate Conjugate and Macropinocytosis Induction for Boron Neutron Capture Therapy. ACS Omega, 2020, 5, 22731-22738.	1.6	25

#	ARTICLE	IF	CITATIONS
166	Nanocarrier-Mediated Cytosolic Delivery of Biopharmaceuticals. <i>Advanced Functional Materials</i> , 2020, 30, 1910566.	7.8	99
167	Targeted Dendrimer-Coated Magnetic Nanoparticles for Selective Delivery of Therapeutics in Living Cells. <i>Molecules</i> , 2020, 25, 2252.	1.7	13
168	Targeting the Tumor Core: Hypoxia-Responsive Nanoparticles for the Delivery of Chemotherapy to Pancreatic Tumors. <i>Molecular Pharmaceutics</i> , 2020, 17, 2849-2863.	2.3	40
169	Highly selective organ distribution and cellular uptake of inorganic-organic hybrid nanoparticles customized for the targeted delivery of glucocorticoids. <i>Journal of Controlled Release</i> , 2020, 319, 360-370.	4.8	8
170	The Dual Role of Macropinocytosis in Cancers: Promoting Growth and Inducing Methuosis to Participate in Anticancer Therapies as Targets. <i>Frontiers in Oncology</i> , 2020, 10, 570108.	1.3	46
171	Investigation of the Cellular Effects of Beta- Cyclodextrin Derivatives on Caco-2 Intestinal Epithelial Cells. <i>Pharmaceutics</i> , 2021, 13, 157.	2.0	12
172	Colloidal nutrition science to understand food-body interaction. <i>Trends in Food Science and Technology</i> , 2021, 109, 352-364.	7.8	15
173	Delivery Systems for Nucleic Acids and Proteins: Barriers, Cell Capture Pathways and Nanocarriers. <i>Pharmaceutics</i> , 2021, 13, 428.	2.0	55
174	Phosphatidic acid-mediated binding and mammalian cell internalization of the <i>Vibrio cholerae</i> cytotoxin MakA. <i>PLoS Pathogens</i> , 2021, 17, e1009414.	2.1	8
175	Large-Volume Intrathecal Administrations: Impact on CSF Pressure and Safety Implications. <i>Frontiers in Neuroscience</i> , 2021, 15, 604197.	1.4	12
176	Exploration and insights into the cellular internalization and intracellular fate of amphiphilic polymeric nanocarriers. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 903-924.	5.7	83
177	Effect of O-linked glycosylation on the antigenicity, cellular uptake and trafficking in dendritic cells of recombinant Ber e 1. <i>PLoS ONE</i> , 2021, 16, e0249876.	1.1	1
178	Generators of Pressure-Evoked Currents in Vertebrate Outer Retinal Neurons. <i>Cells</i> , 2021, 10, 1288.	1.8	4
179	From Pinocytosis to Methuosis—Fluid Consumption as a Risk Factor for Cell Death. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651982.	1.8	21
180	Synthesis, Characterization, and Cytotoxicity of Morpholine-Containing Ruthenium(II) <i>p</i> -Cymene Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 12172-12185.	1.9	6
181	Polycation-Mediated Transfection: Mechanisms of Internalization and Intracellular Trafficking. <i>Biomacromolecules</i> , 2021, 22, 4060-4083.	2.6	23
182	Glycol chitosan-based renal docking biopolymeric nanomicelles for site-specific delivery of the immunosuppressant. <i>Carbohydrate Polymers</i> , 2020, 241, 116255.	5.1	16
183	Clathrin and LRP-1-Independent Constitutive Endocytosis and Recycling of uPAR. <i>PLoS ONE</i> , 2008, 3, e3730.	1.1	50

#	ARTICLE	IF	CITATIONS
184	Introducing Micrometer-Sized Artificial Objects into Live Cells: A Method for Cell-Giant Unilamellar Vesicle Electrofusion. <i>PLoS ONE</i> , 2014, 9, e106853.	1.1	22
185	Release of HIV-1 sequestered in the vesicles of oral and genital mucosal epithelial cells by epithelial-lymphocyte interaction. <i>PLoS Pathogens</i> , 2017, 13, e1006247.	2.1	23
186	Internalization and presentation of myelin antigens by the brain endothelium guides antigen-specific T cell migration. <i>ELife</i> , 2016, 5, .	2.8	37
187	Inactivation of HIV-1 in Polarized Infant Tonsil Epithelial Cells by Human Beta-Defensins 2 and 3 Tagged with the Protein Transduction Domain of HIV-1 Tat. <i>Viruses</i> , 2021, 13, 2043.	1.5	2
189	Photoaffinity Labeling Methods to Explore Internalization Mechanisms of Arginine-Rich Cell-Penetrating Peptides. , 2017, , 225-240.		0
190	Quantitative iTRAQ LC-MS/MS reveals muscular proteome profiles of deep pressure ulcers. <i>Bioscience Reports</i> , 2020, 40, .	1.1	1
192	Exploiting Endocytosis for Non-Spherical Nanoparticle Cellular Uptake. <i>Nanomanufacturing</i> , 2022, 2, 1-16.	1.8	16
193	Cellular Effects of Cyclodextrins: Studies on HeLa Cells. <i>Molecules</i> , 2022, 27, 1589.	1.7	2
194	Growth cone macropinocytosis of neurotrophin receptor and neuritogenesis are regulated by neuron navigator 1. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21120623.	0.9	4
203	Recent advances in nanotechnology approaches for non-viral gene therapy. <i>Biomaterials Science</i> , 2022, 10, 6862-6892.	2.6	15
204	Endocytosis of dopamine receptor: Signaling in brain. <i>Progress in Molecular Biology and Translational Science</i> , 2022, , .	0.9	0
205	A Nanomedicine Structure-Activity Framework for Research, Development, and Regulation of Future Cancer Therapies. <i>ACS Nano</i> , 2022, 16, 17497-17551.	7.3	10
206	Cyclic and Linear Peptides Containing Alternate WW and RR Residues as Molecular Cargo Delivery Tools. <i>Molecular Pharmaceutics</i> , 2023, 20, 341-356.	2.3	5
207	Interactions of Nanomaterials with Plant Pigments. , 2023, , 93-131.		0
208	Reprogramming systemic and local immune function to empower immunotherapy against glioblastoma. <i>Nature Communications</i> , 2023, 14, .	5.8	10
209	Lysosomal swelling and lysis mediate delivery of C3 toxins to their cytoplasmic targets. <i>Molecular Microbiology</i> , 2023, 119, 695-710.	1.2	0
210	A Cascade-Targeted Enzyme-Instructed Peptide Self-Assembly Strategy for Cancer Immunotherapy through Boosting Immunogenic Cell Death. <i>Small Methods</i> , 2023, 7, .	4.6	6
212	Non-Viral Nucleic Acid Delivery System for RNA Therapeutics. <i>Advanced Therapeutics</i> , 2023, 6, .	1.6	2

#	ARTICLE	IF	CITATIONS
213	Hyaluronic acid-antigens conjugates trigger potent immune response in both prophylactic and therapeutic immunization in a melanoma model. <i>Drug Delivery and Translational Research</i> , 2023, 13, 2550-2567.	3.0	1
214	ROS/Electro Dual-Reactive Nanogel for Targeting Epileptic Foci to Remodel Aberrant Circuits and Inflammatory Microenvironment. <i>ACS Nano</i> , 2023, 17, 7847-7864.	7.3	4
215	Progress in the discovery and development of small molecule methuosis inducers. <i>RSC Medicinal Chemistry</i> , 0, , .	1.7	0