

# From bloodâ€™brain barrier to bloodâ€™brain interface: delivery

Nature Reviews Drug Discovery

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Non-Viral Nucleic Acid Delivery Strategies to the Central Nervous System. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 108.	2.9	25
2	Perillyl Alcohol and Its Drug-Conjugated Derivatives as Potential Novel Methods of Treating Brain Metastases. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1463.	4.1	33
3	Getting into the brain: liposome-based strategies for effective drug delivery across the blood&ndash;brain barrier. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5381-5414.	6.7	301
4	Neuropeptides, Microbiota, and Behavior. <i>International Review of Neurobiology</i> , 2016, 131, 67-89.	2.0	41
5	Perispinal Delivery of CNS Drugs. <i>CNS Drugs</i> , 2016, 30, 469-480.	5.9	25
6	Delivery of Fluorescent Nanoparticles to the Brain. <i>Journal of Molecular Neuroscience</i> , 2016, 60, 405-409.	2.3	16
7	Elucidation of Exosome Migration Across the Blood&quot;Brain Barrier Model In Vitro. <i>Cellular and Molecular Bioengineering</i> , 2016, 9, 509-529.	2.1	368
8	In vitro blood&quot;brain barrier models for drug research: state-of-the-art and new perspectives on reconstituting these models on artificial basement membrane platforms. <i>Drug Discovery Today</i> , 2016, 21, 1367-1386.	6.4	48
9	InÂvitro screening of nanomedicines through the blood brain barrier: A critical review. <i>Biomaterials</i> , 2016, 103, 229-255.	11.4	48
10	Glycomimetic-based pharmacological chaperones for lysosomal storage disorders: lessons from Gaucher, G<sub>M1</sub>-gangliosidosis and Fabry diseases. <i>Chemical Communications</i> , 2016, 52, 5497-5515.	4.1	122
11	The vasculature as a neural stem cell niche. <i>Neurobiology of Disease</i> , 2017, 107, 4-14.	4.4	26
12	Modulators of IgG penetration through the blood-brain barrier: Implications for Alzheimer's disease immunotherapy. <i>Human Antibodies</i> , 2017, 25, 131-146.	1.5	14
13	A journey into the brain: insight into how bacterial pathogens cross blood&quot;brain barriers. <i>Nature Reviews Microbiology</i> , 2017, 15, 149-159.	28.6	203
14	Vitamin-Derived Nanolipoidal Carriers for Brain Delivery of Dimethyl Fumarate: A Novel Approach with Preclinical Evidence. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1390-1396.	3.5	23
15	Size-selective opening of the blood&quot;brain barrier by targeting endothelial sphingosine 1&quot;phosphate receptor 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4531-4536.	7.1	167
16	Endothelial TLR4 and the microbiome drive cerebral cavernous malformations. <i>Nature</i> , 2017, 545, 305-310.	27.8	247
17	Organoid and Organ-on-a-Chip Systems: New Paradigms for Modeling Neurological and Gastrointestinal Disease. <i>Current Stem Cell Reports</i> , 2017, 3, 98-111.	1.6	22
18	Emerging strategies for delivering antiangiogenic therapies to primary and metastatic brain tumors. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 159-174.	13.7	25

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19	Endothelial cell disease: emerging knowledge from cerebral cavernous malformations. Current Opinion in Hematology, 2017, 24, 256-264.	2.5	24
20	Functional Expression of P-glycoprotein and Organic Anion Transporting Polypeptides at the Blood-Brain Barrier: Understanding Transport Mechanisms for Improved CNS Drug Delivery?. AAPS Journal, 2017, 19, 931-939.	4.4	61
21	Covalent nano delivery systems for selective imaging and treatment of brain tumors. Advanced Drug Delivery Reviews, 2017, 113, 177-200.	13.7	67
22	InÂvitro model of cerebral ischemia by using brain microvascular endothelial cells derived from human induced pluripotent stem cells. Biochemical and Biophysical Research Communications, 2017, 486, 577-583.	2.1	31
23	Multifunctional Hybrid Nanoparticles for Traceable Drug Delivery and Intracellular Microenvironmentâ€Controlled Multistage Drugâ€Release in Neurons. Small, 2017, 13, 1603966.	10.0	21
24	Non-invasive aerosol delivery and transport of gold nanoparticles to the brain. Scientific Reports, 2017, 7, 44718.	3.3	48
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28	Barrier function in the peripheral and central nervous systemâ€”a review. Pflugers Archiv European Journal of Physiology, 2017, 469, 123-134.	2.8	216
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32	Cationization increases brain distribution of an amyloid-beta protofibril selective F(abâ€™™)2 fragment. Biochemical and Biophysical Research Communications, 2017, 493, 120-125.	2.1	30
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37	Exogenous iron redistribution between brain and liver after administering 57Fe <sub>3</sub> O <sub>4</sub> ferrofluid to a rat brain ventricle. Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 788-792.	0.6	1
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41	Leveraging Physiology for Precision Drug Delivery. Physiological Reviews, 2017, 97, 189-225.	28.8	125
42	Exploring cellular uptake of iron oxide nanoparticles associated with rhodium citrate in breast cancer cells. International Journal of Nanomedicine, 2017, Volume 12, 5511-5523.	6.7	51
43	Computer-Aided Drug Design Applied to Marine Drug Discovery: Meridianins as Alzheimer’s Disease Therapeutic Agents. Marine Drugs, 2017, 15, 366.	4.6	42
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45	Development and Function of the Blood-Brain Barrier in the Context of Metabolic Control. Frontiers in Neuroscience, 2017, 11, 224.	2.8	145
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56	An <em>In Vivo</em> Blood-brain Barrier Permeability Assay in Mice Using Fluorescently Labeled Tracers. Journal of Visualized Experiments, 2018, , .	0.3	25
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69	Porous Substrates Promote Endothelial Migration at the Expense of Fibronectin Fibrillogenesis. ACS Biomaterials Science and Engineering, 2018, 4, 222-230.	5.2	15
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73	Crosstalk between the immune, endocrine, and nervous systems in immunotoxicology. <i>Current Opinion in Toxicology</i> , 2018, 10, 37-45.	5.0	19
74	Importance of integrating nanotechnology with pharmacology and physiology for innovative drug delivery and therapy – an illustration with firsthand examples. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 825-844.	6.1	85
75	Investigational chemotherapy and novel pharmacokinetic mechanisms for the treatment of breast cancer brain metastases. <i>Pharmacological Research</i> , 2018, 132, 47-68.	7.1	101
76	Ferritin Nanocarrier Traverses the Blood Brain Barrier and Kills Glioma. <i>ACS Nano</i> , 2018, 12, 4105-4115.	14.6	239
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78	Granulocyte-macrophage colony-stimulating factor neuroprotective activities in Alzheimer's disease mice. <i>Journal of Neuroimmunology</i> , 2018, 319, 80-92.	2.3	53
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83	The Promise and Challenge of <i>In Vivo</i> Delivery for Genome Therapeutics. <i>ACS Chemical Biology</i> , 2018, 13, 376-382.	3.4	69
84	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029322.	5.5	75
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93	MRI and histological evaluation of pulsed focused ultrasound and microbubbles treatment effects in the brain. <i>Theranostics</i> , 2018, 8, 4837-4855.	10.0	53
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114	Designing in vitro Blood-Brain Barrier Models Reproducing Alterations in Brain Aging. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 234.	3.4	19
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126	Challenging the CNS Targeting Potential of Systemically Administered Nanoemulsion Delivery Systems: a Case Study with Rapamycin-Containing Fish Oil Nanoemulsions in Mice. <i>Pharmaceutical Research</i> , 2019, 36, 134.	3.5	7
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148	The blood-brain barrier as an endocrine tissue. <i>Nature Reviews Endocrinology</i> , 2019, 15, 444-455.	9.6	100
149	Inhibition of metal-induced amyloid $\beta$ -peptide aggregation by a blood-brain barrier permeable silica-cyclen nanochelator. <i>RSC Advances</i> , 2019, 9, 14126-14131.	3.6	11
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156	Crossing biological barriers with nanogels to improve drug delivery performance. <i>Journal of Controlled Release</i> , 2019, 307, 221-246.	9.9	118
157	The Therapeutic Potential of Mesenchymal Stem Cell-Derived Exosomes in Treatment of Neurodegenerative Diseases. <i>Molecular Neurobiology</i> , 2019, 56, 8157-8167.	4.0	89
158	A Simplified, Fully Defined Differentiation Scheme for Producing Blood-Brain Barrier Endothelial Cells from Human iPSCs. <i>Stem Cell Reports</i> , 2019, 12, 1380-1388.	4.8	143
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160	Emerging blood-brain-barrier-crossing nanotechnology for brain cancer theranostics. <i>Chemical Society Reviews</i> , 2019, 48, 2967-3014.	38.1	389
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163	Targeting human brain cancer stem cells by curcumin-loaded nanoparticles grafted with anti-aldehyde dehydrogenase and sialic acid: Colocalization of ALDH and CD44. <i>Materials Science and Engineering C</i> , 2019, 102, 362-372.	7.3	43

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