# Ulrich Bickel

List of Publications by Year
in descending order



| 59 | 4,689 | 257450 24 | 155660 55 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 61 | 61 | 61 | 5327 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sniffing neuropeptides: a transnasal approach to the human brain. Nature Neuroscience, 2002, 5, 514-516. | 14.8 | 1,162 |
| 2 | Low-molecular-weight polyethylenimine as a non-viral vector for DNA delivery: comparison of physicochemical properties, transfection efficiency and in vivo distribution with high-molecular-weight polyethylenimine. Journal of Controlled Release, 2003, 89, 113-125. | 9.9 | 758 |
| 3 | Sniffing neuropeptides: a transnasal approach to the human brain. Nature Neuroscience, 2002, 5, 514-516. | 14.8 | 530 |
| 4 | Delivery of peptides and proteins through the bloodâ€“brain barrier. Advanced Drug Delivery Reviews, 2001, 46, 247-279. | 13.7 | 409 |
| 5 | How to measure drug transport across the blood-brain barrier. NeuroRx, 2005, 2, 15-26. | 6.0 | 176 |
| 6 | ACUTE ENDOCRINE FAILURE AFTER BRAIN DEATH?. Transplantation, 1992, 54, 851-857. | 1.0 | 172 |
| 7 | The structure of PEG-modified poly(ethylene imines) influences biodistribution and pharmacokinetics of their complexes with NF-kappaB decoy in mice. Pharmaceutical Research, 2002, 19, 810-817. | 3.5 | 148 |
| 8 | Liposome encapsulated polyethylenimine/ODN polyplexes for brain targeting. Journal of Controlled Release, 2009, 133, 230-237. | 9.9 | 109 |
| 9 | The Melanocortin Melanocyte-Stimulating Hormone/Adrenocorticotropin<sub>4â€“10</sub>Decreases Body Fat in Humans<sup>1</sup>. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1144-1148. | 3.6 | 97 |
| 10 | Pharmacokinetics of galanthamine in humans and corresponding cholinesterase inhibition. Clinical Pharmacology and Therapeutics, 1991, 50, 420-428. | 4.7 | 94 |
| 11 | NGP1-01, a lipophilic polycyclic cage amine, is neuroprotective in focal ischemia. Neuroscience Letters, 2005, 383, 49-53. | 2.1 | 75 |
| 12 | Nicotine Exacerbates Brain Edema during In Vitro and In Vivo Focal Ischemic Conditions. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 371-379. | 2.5 | 70 |
| 13 | Effect of poly(ethylene imine) molecular weight and pegylation on organ distribution and pharmacokinetics of polyplexes with oligodeoxynucleotides in mice. Drug Metabolism and Disposition, 2004, 32, 983-92. | 3.3 | 67 |
| 14 | Metabolic and transmitter changes in core and penumbra after middle cerebral artery occlusion in mice. Brain Research, 2010, 1312, 101-107. | 2.2 | 59 |
| 15 | NMDA Receptor-Antagonistic Properties of Hyperforin, a Constituent of St. Johnâ€™s Wort. Journal of Pharmacological Sciences, 2006, 102, 47-54. | 2.5 | 55 |
| 16 | Neuroprotection in mice by NGP1-01 after transient focal brain ischemia. Brain Research, 2008, 1196, 113-120. | 2.2 | 49 |
| 17 | In Vivo Cleavability of a Disulfide-Based Chimeric Opioid Peptide in Rat Brain. Bioconjugate Chemistry, 1995, 6, 211-218. | 3.6 | 46 |
| 18 | Delivery of peptides and proteins through the blood-brain barrier. Advanced Drug Delivery Reviews, 1993, 10, 205-245. | 13.7 | 37 |

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|---|---|---|---|
| 19 | No increase in bloodâ€“brain barrier permeability after intraperitoneal injection of endotoxin in the rat. Journal of Neuroimmunology, 1998, 85, 131-136. | 2.3 | 35 |
| 20 | Development and in vitro Characterization of a Cationized Monoclonal Antibody against Î²A4 Protein: A Potential Probe for Alzheimer's Disease. Bioconjugate Chemistry, 1994, 5, 119-125. | 3.6 | 31 |
| 21 | Does short-term treatment with modafinil affect blood pressure in patients with obstructive sleep apnea?. Clinical Pharmacology and Therapeutics, 1999, 65, 328-335. | 4.7 | 31 |
| 22 | Cationization of a monoclonal antibody to the human immunodeficiency virus REV protein enhances cellular uptake but does not impair antigen binding of the antibody. Immunology Letters, 1994, 42, 191-195. | 2.5 | 29 |
| 23 | TCR Mimic Monoclonal Antibodies Induce Apoptosis of Tumor Cells via Immune Effector-Independent Mechanisms. Journal of Immunology, 2011, 186, 3265-3276. | 0.8 | 28 |
| 24 | Acute Depression of Energy Metabolism after Microdialysis Probe Implantation is Distinct from Ischemia-Induced Changes in Mouse Brain. Neurochemical Research, 2011, 36, 109-116. | 3.3 | 25 |
| 25 | Antibody delivery through the blood-brain barrier. Advanced Drug Delivery Reviews, 1995, 15, 53-72. | 13.7 | 24 |
| 26 | Liposome-Encapsulated Polyethylenimine/Oligonucleotide Polyplexes Prepared by Reverse-Phase Evaporation Technique. AAPS PharmSciTech, 2012, 13, 373-378. | 3.3 | 24 |
| 27 | LCâ€“MS/MS-based in vitro and in vivo investigation of bloodâ€“brain barrier integrity by simultaneous quantitation of mannitol and sucrose. Fluids and Barriers of the CNS, 2020, 17, 61. | 5.0 | 21 |
| 28 | Unifying the mathematical modeling of in vivo and in vitro microdialysis. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 54-63. | 2.8 | 20 |
| 29 | Preparation and preliminary characterization of recombinant neurolysin for in vivo studies. Journal of Biotechnology, 2016, 234, 105-115. | 3.8 | 19 |
| 30 | Evaluation of [14C] and [13C]Sucrose as Bloodâ€“Brain Barrier Permeability Markers. Journal of Pharmaceutical Sciences, 2017, 106, 1659-1669. | 3.3 | 19 |
| 31 | A Quasi-Physiological Microfluidic Blood-Brain Barrier Model for Brain Permeability Studies. Pharmaceutics, 2021, 13, 1474. | 4.5 | 18 |
| 32 | Time Course of ACTH 4â€“10 Effects on Human Attention. Neuroendocrinology, 1990, 52, 169-174. | 2.5 | 17 |
| 33 | Stability of the Disulfide Bond in an Avidin-Biotin Linked Chimeric Peptide During in vivo Transcytosis Through Brain Endothelial Cells. Journal of Drug Targeting, 2000, 8, 425-434. | 4.4 | 17 |
| 34 | Isoflurane increases cell membrane fluidity significantly at clinical concentrations. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183140. | 2.6 | 17 |
| 35 | Inhibition of monocyte adhesion on brain-derived endothelial cells by NF-kappaB decoy/polyethylenimine complexes. Journal of Gene Medicine, 2005, 7, 1063-1076. | 2.8 | 16 |
| 36 | Effects of short-term portacaval anastomosis on the peripheral and brain disposition of the bloodâ€“brain barrier permeability marker sodium fluorescein in rats. Brain Research, 2013, 1531, 84-93. | 2.2 | 16 |

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|---|---|---|---|
| 37 | Simultaneous UPLCâ€“MS/MS analysis of two stable isotope labeled versions of sucrose in mouse plasma and brain samples as markers of blood-brain barrier permeability and brain vascular space. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1073, 19-26. | 2.3 | 14 |
| 38 | Pharmacokinetic differences between111In- and125I-Labeled cationized monoclonal antibody against Î²-Amyloid in mouse and dog. Drug Delivery, 1995, 2, 128-135. | 5.7 | 13 |
| 39 | Targeted Delivery of Complexes of Biotinâ€“PEGâ€“Polyethylenimine and NF-ÎºB Decoys to Brain-derived Endothelial Cells in Vitro. Pharmaceutical Research, 2008, 25, 605-615. | 3.5 | 13 |
| 40 | Effects of Hepatic Ischemia-Reperfusion Injury on the P-Glycoprotein Activity at the Liver Canalicular Membrane and Bloodâ€“Brain Barrier Determined by In Vivo Administration of Rhodamine 123 in Rats. Pharmaceutical Research, 2014, 31, 861-873. | 3.5 | 13 |
| 41 | Comparative assessment of in vitro BBB tight junction integrity following exposure to cigarette smoke and e-cigarette vapor: a quantitative evaluation of the protective effects of metformin using small-molecular-weight paracellular markers. Fluids and Barriers of the CNS, 2021, 18, 28. | 5.0 | 13 |
| 42 | Development and validation of a sensitive UPLCâ€“MS/MS method for the quantitation of [ 13 C]sucrose in rat plasma, blood, and brain: Its application to the measurement of blood-brain barrier permeability. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1015-1016, 105-110. | 2.3 | 11 |
| 43 | Effects of hepatic ischemia-reperfusion injury on the blood-brain barrier permeability to [14C] and [13C]sucrose. Metabolic Brain Disease, 2017, 32, 1903-1912. | 2.9 | 11 |
| 44 | Enrichment of the erythrocyte miR-451a in brain extracellular vesicles following impairment of the blood-brain barrier. Neuroscience Letters, 2021, 751, 135829. | 2.1 | 11 |
| 45 | Brain Uptake of [<sup>13</sup>C] and [<sup>14</sup>C]Sucrose Quantified by Microdialysis and Whole Tissue Analysis in Mice. Drug Metabolism and Disposition, 2018, 46, 1514-1518. | 3.3 | 10 |
| 46 | Polyethylenimine/Oligonucleotide Polyplexes Investigated by Fluorescence Resonance Energy Transfer and Fluorescence Anisotropy. Oligonucleotides, 2011, 21, 109-114. | 2.7 | 9 |
| 47 | In vivo pharmacokinetics of calreticulin S-domain, an inhibitor of the classical complement pathway. International Immunopharmacology, 2002, 2, 415-422. | 3.8 | 8 |
| 48 | A novel vascular targeting strategy for brainâ€derived endothelial cells using a TCR mimic antibody. Journal of Cellular Physiology, 2010, 225, 664-672. | 4.1 | 7 |
| 49 | Delivery of NADPH-Cytochrome P450 Reductase Antisense Oligos Using Avidinâ€”Biotin Approach. Bioconjugate Chemistry, 2010, 21, 203-207. | 3.6 | 7 |
| 50 | Transferrin Receptor Mediated Brain Uptake During Ischemia and Reperfusion. Journal of Pharmacy and Pharmaceutical Sciences, 2013, 16, 541. | 2.1 | 7 |
| 51 | Effects of Pringle maneuver and partial hepatectomy on the pharmacokinetics and bloodâ€“brain barrier permeability of sodium fluorescein in rats. Brain Research, 2015, 1618, 249-260. | 2.2 | 7 |
| 52 | In-Vivo and Ex-Vivo Brain Uptake Studies of Peptidomimetic Neurolysin Activators in Healthy and Stroke Animals. Pharmaceutical Research, 2022, 39, 1587-1598. | 3.5 | 6 |
| 53 | Preclinical and Clinical Studies with Galanthamine. , 1991, , 329-336. | | 5 |
| 54 | How to measure drug transport across the blood-brain barrier. Neurotherapeutics, 2005, 2, 15-26. | 4.4 | 2 |

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|---|---|---|---|
| 55 | A Semi-Physiological Three-Compartment Model Describes Brain Uptake Clearance and Efflux of Sucrose and Mannitol after IV Injection in Awake Mice. Pharmaceutical Research, 2022, 39, 251. | 3.5 | 1 |
| 56 | Diagnosis of CAA during Life. , 2000, , 21-41. | | 0 |
| 57 | Targeting Macromolecules to the Central Nervous System. , 2000, , . | | 0 |
| 58 | Role of Endothelial RhoA in Melanoma and Lung Cancer Transâ€endothelial Migration and Metastasis. FASEB Journal, 2019, 33, 368.9. | 0.5 | 0 |
| 59 | Endothelial RhoA Regulates Breast Cancer Metastasis. FASEB Journal, 2019, 33, 647.40. | 0.5 | 0 |