

Patrick J Sinko

List of Publications by Year in descending order

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165
papers

8,708
citations

34105

52
h-index

54911

84
g-index

170
all docs

170
docs citations

170
times ranked

9278
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor-specific targeting of an anticancer drug delivery system by LHRH peptide. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12962-12967.	7.1	319
2	Estimating human oral fraction dose absorbed: a correlation using rat intestinal membrane permeability for passive and carrier-mediated compounds. Pharmaceutical Research, 1988, 05, 651-654.	3.5	268
3	The effect of physical barriers and properties on the oral absorption of particulates. Advanced Drug Delivery Reviews, 1998, 34, 135-154.	13.7	230
4	Recent Trends in Targeted Anticancer Prodrug and Conjugate Design. Current Medicinal Chemistry, 2008, 15, 1802-1826.	2.4	208
5	Direct Evidence for Peptide Transporter (PepT1)-Mediated Uptake of a Nonpeptide Prodrug, Valacyclovir. Biochemical and Biophysical Research Communications, 1998, 250, 246-251.	2.1	207
6	Characterization of the regional intestinal kinetics of drug efflux in rat and human intestine and in Caco-2 cells. Pharmaceutical Research, 1998, 15, 1160-1167.	3.5	200
7	Mechanisms Mediating the Vesicant Actions of Sulfur Mustard after Cutaneous Exposure. Toxicological Sciences, 2010, 114, 5-19.	3.1	179
8	Involvement of multidrug resistance-associated proteins in regulating cellular levels of (âˆ“)epigallocatechin-3-gallate and its methyl metabolites. Biochemical and Biophysical Research Communications, 2003, 310, 222-227.	2.1	174
9	Molecular targeting of drug delivery systems to ovarian cancer by BH3 and LHRH peptides. Journal of Controlled Release, 2003, 91, 61-73.	9.9	172
10	Effect of size, surface charge, and hydrophobicity on the translocation of polystyrene microspheres through gastrointestinal mucin. Journal of Applied Polymer Science, 1997, 63, 1481-1492.	2.6	166
11	Predicting fraction dose absorbed in humans using a macroscopic mass balance approach. Pharmaceutical Research, 1991, 08, 979-988.	3.5	154
12	Physiologically-based pharmacokinetic simulation modelling. Advanced Drug Delivery Reviews, 2002, 54, 433-451.	13.7	152
13	Surface modifications of nanocarriers for effective intracellular delivery of anti-HIV drugs. Advanced Drug Delivery Reviews, 2010, 62, 518-531.	13.7	134
14	Intestinal Drug Transporters: In Vivo Function and Clinical Importance. Current Drug Metabolism, 2004, 5, 109-124.	1.2	131
15	Oral absorption of the HIV protease inhibitors: a current update. Advanced Drug Delivery Reviews, 1999, 39, 211-238.	13.7	129
16	Direct Evidence that Saquinavir Is Transported by Multidrug Resistance-Associated Protein (MRP1) and Canalicular Multispecific Organic Anion Transporter (MRP2). Antimicrobial Agents and Chemotherapy, 2002, 46, 3456-3462.	3.2	127
17	Oxidants and antioxidants in sulfur mustardâ€™induced injury. Annals of the New York Academy of Sciences, 2010, 1203, 92-100.	3.8	124
18	A hydrogel prepared by in situ cross-linking of a thiol-containing poly(ethylene glycol)-based copolymer: a new biomaterial for protein drug delivery. Biomaterials, 2003, 24, 11-18.	11.4	121

#	ARTICLE	IF	CITATIONS
19	Doxycycline hydrogels with reversible disulfide crosslinks for dermal wound healing of mustard injuries. <i>Biomaterials</i> , 2011, 32, 1204-1217.	11.4	120
20	Enhancing the anticancer efficacy of camptothecin using biotinylated poly(ethyleneglycol) conjugates in sensitive and multidrug-resistant human ovarian carcinoma cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2002, 50, 143-150.	2.3	116
21	Intestinal Transport of Irinotecan in Caco-2 Cells and MDCK II Cells Overexpressing Efflux Transporters Pgp, cMOAT, and MRP1. <i>Drug Metabolism and Disposition</i> , 2002, 30, 763-770.	3.3	113
22	Development of predictive pharmacokinetic simulation models for drug discovery. <i>Journal of Controlled Release</i> , 2000, 65, 55-62.	9.9	109
23	Oral delivery of salmon calcitonin. <i>Advanced Drug Delivery Reviews</i> , 2000, 42, 225-238.	13.7	104
24	The Role of N-Linked Glycosylation in Protein Folding, Membrane Targeting, and Substrate Binding of Human Organic Anion Transporter hOAT4. <i>Molecular Pharmacology</i> , 2005, 67, 868-876.	2.3	103
25	Modulation of nonspecific binding in ultrafiltration protein binding studies. <i>Pharmaceutical Research</i> , 2003, 20, 1015-1021.	3.5	102
26	Sulfur mustard-induced pulmonary injury: Therapeutic approaches to mitigating toxicity. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011, 24, 92-99.	2.6	102
27	Evidence for diminished functional expression of intestinal transporters in Caco-2 cell monolayers at high passages. <i>Pharmaceutical Research</i> , 1997, 14, 757-762.	3.5	99
28	Human Organic Anion-Transporting Polypeptide OATP-A (SLC21A3) Acts in Concert with P-Glycoprotein and Multidrug Resistance Protein 2 in the Vectorial Transport of Saquinavir in Hep G2 Cells. <i>Molecular Pharmaceutics</i> , 2004, 1, 49-56.	4.6	97
29	Threshold size for optimal passive pulmonary targeting and retention of rigid microparticles in rats. <i>Journal of Controlled Release</i> , 2010, 143, 31-37.	9.9	94
30	Safety, Formulation and In Vitro Antiviral Activity of the Antimicrobial Peptide Subtilosin Against Herpes Simplex Virus Type 1. <i>Probiotics and Antimicrobial Proteins</i> , 2013, 5, 26-35.	3.9	88
31	Delineating the Contribution of Secretory Transporters in the Efflux of Etoposide Using Madin-Darby Canine Kidney (MDCK) Cells Overexpressing P-Glycoprotein (Pgp), Multidrug Resistance-Associated Protein (MRP1), and Canalicular Multispecific Organic Anion Transporter (cMOAT). <i>Drug Metabolism and Disposition</i> , 2002, 30, 457-463.	3.3	84
32	Characterization of the oral absorption of beta-lactam antibiotics. I. Cephalosporins: determination of intrinsic membrane absorption parameters in the rat intestine in situ. <i>Pharmaceutical Research</i> , 1988, 05, 645-650.	3.5	80
33	Carrier-mediated intestinal absorption of valacyclovir, the L-valyl ester prodrug of acyclovir. 1. Interactions with peptides, organic anions and organic cations in rats. , 1998, 19, 209-217.		79
34	P-Glycoprotein and Multidrug Resistance-Associated Proteins Limit the Brain Uptake of Saquinavir in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 1249-1256.	2.5	76
35	Design and evaluation of novel fast forming pilocarpine-loaded ocular hydrogels for sustained pharmacological response. <i>Journal of Controlled Release</i> , 2009, 137, 152-159.	9.9	72
36	Doxycycline loaded poly(ethylene glycol) hydrogels for healing vesicant-induced ocular wounds. <i>Biomaterials</i> , 2010, 31, 964-974.	11.4	71

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37	Pharmacokinetic and pharmacodynamic evaluation of a novel in situ forming poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS Release, 2006, 112, 333-342.	9.9	69
38	Optimization of cell receptor-specific targeting through multivalent surface decoration of polymeric nanocarriers. <i>Journal of Controlled Release</i> , 2013, 168, 41-49.	9.9	67
39	Pulmonary targeting microparticulate camptothecin delivery system: anticancer evaluation in a rat orthotopic lung cancer model. <i>Anti-Cancer Drugs</i> , 2010, 21, 65-76.	1.4	65
40	Tumor-targeted bioconjugate based delivery of camptothecin: design, synthesis and in vitro evaluation. <i>Journal of Controlled Release</i> , 2004, 100, 275-292.	9.9	64
41	Isolation and characterization of living circulating tumor cells in patients by immunomagnetic negative enrichment coupled with flow cytometry. <i>Cancer</i> , 2015, 121, 3036-3045.	4.1	64
42	Biopharmaceutical approaches for developing and assessing oral peptide delivery strategies and systems: in vitro permeability and in vivo oral absorption of salmon calcitonin (sCT). <i>Pharmaceutical Research</i> , 1999, 16, 527-533.	3.5	63
43	Involvement of multiple transporters in the oral absorption of nucleoside analogues. <i>Advanced Drug Delivery Reviews</i> , 1999, 39, 183-209.	13.7	63
44	Biodegradable poly(ethylene glycol) hydrogels based on a self-elimination degradation mechanism. <i>Biomaterials</i> , 2010, 31, 6675-6684.	11.4	62
45	Multiple-Peptide Conjugates for Binding β -Amyloid Plaques of Alzheimer's Disease. <i>Bioconjugate Chemistry</i> , 2003, 14, 86-92.	3.6	60
46	Targeting the sodium-dependent multivitamin transporter (SMVT) for improving the oral absorption properties of a retro-inverso Tat nonapeptide. <i>Pharmaceutical Research</i> , 2001, 18, 950-956.	3.5	59
47	Adjunctive Phosphodiesterase-4 Inhibitor Therapy Improves Antibiotic Response to Pulmonary Tuberculosis in a Rabbit Model. <i>EBioMedicine</i> , 2016, 4, 104-114.	6.1	59
48	Estimating Human Drug Oral Absorption Kinetics from Caco-2 Permeability Using an Absorption-Disposition Model: Model Development and Evaluation and Derivation of Analytical Solutions for k_a and F_a . <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 391-399.	2.5	58
49	Doxycycline Hydrogels as a Potential Therapy for Ocular Vesicant Injury. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2010, 26, 407-419.	1.4	58
50	Endocytosis and Membrane Potential Are Required for HeLa Cell Uptake of R.I.-CKTat9, a Retro-Inverso Tat Cell Penetrating Peptide. <i>Molecular Pharmaceutics</i> , 2009, 6, 836-848.	4.6	56
51	Structural changes in the skin of hairless mice following exposure to sulfur mustard correlate with inflammation and DNA damage. <i>Experimental and Molecular Pathology</i> , 2011, 91, 515-527.	2.1	55
52	The role of crystallinity on differential attachment/proliferation of osteoblasts and fibroblasts on poly (caprolactone-co-glycolide) polymeric surfaces. <i>Frontiers of Materials Science</i> , 2012, 6, 47-59.	2.2	55
53	Drug delivery across the blood-brain barrier: why is it difficult? how to measure and improve it?. <i>Expert Opinion on Drug Delivery</i> , 2006, 3, 419-435.	5.0	54
54	Elucidation of the Molecular Mechanisms of Action of the Natural Antimicrobial Peptide Subtilisin Against the Bacterial Vaginosis-associated Pathogen <i>Gardnerella vaginalis</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2011, 3, 41-47.	3.9	53

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55	Antitherpes simplex virus type 2 activity of the antimicrobial peptide subtilisin. <i>Journal of Applied Microbiology</i> , 2014, 117, 1253-1259.	3.1	53
56	Membrane permeability parameters for some amino acids and β -lactam antibiotics: Application of the boundary layer approach. <i>Journal of Theoretical Biology</i> , 1988, 131, 107-114.	1.7	52
57	Role of MAP kinases in regulating expression of antioxidants and inflammatory mediators in mouse keratinocytes following exposure to the half mustard, 2-chloroethyl ethyl sulfide. <i>Toxicology and Applied Pharmacology</i> , 2010, 245, 352-360.	2.8	51
58	Pharmaceutical and Toxicological Properties of Engineered Nanomaterials for Drug Delivery. <i>Annual Review of Pharmacology and Toxicology</i> , 2014, 54, 581-598.	9.4	51
59	Characterization of the Oral Absorption of β -Lactam Antibiotics II: Competitive Absorption and Peptide Carrier Specificity. <i>Journal of Pharmaceutical Sciences</i> , 1989, 78, 723-727.	3.3	50
60	Attenuation of acute nitrogen mustard-induced lung injury, inflammation and fibrogenesis by a nitric oxide synthase inhibitor. <i>Toxicology and Applied Pharmacology</i> , 2012, 265, 279-291.	2.8	50
61	Membrane transport of camptothecin: facilitation by human P-glycoprotein (ABCB1) and multidrug resistance protein 2 (ABCC2). <i>BMC Medicine</i> , 2004, 2, 16.	5.5	48
62	A Series of β -Amino Acid Ester Prodrugs of Camptothecin: In Vitro Hydrolysis and A549 Human Lung Carcinoma Cell Cytotoxicity. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 1038-1047.	6.4	48
63	Single-Step Assembly of Multimodal Imaging Nanocarriers: MRI and Long-Wavelength Fluorescence Imaging. <i>Advanced Healthcare Materials</i> , 2015, 4, 1376-1385.	7.6	48
64	Synthesis of Poly(ethylene glycol)-Based Saquinavir Prodrug Conjugates and Assessment of Release and Anti-HIV-1 Bioactivity Using a Novel Protease Inhibition Assay. <i>Bioconjugate Chemistry</i> , 2004, 15, 1322-1333.	3.6	44
65	Susceptibility of <i>Gardnerella vaginalis</i> Biofilms to Natural Antimicrobials Subtilisin, μ -Poly-L-Lysine, and Lauramide Arginine Ethyl Ester. <i>Infectious Diseases in Obstetrics and Gynecology</i> , 2012, 2012, 1-9.	1.5	44
66	The Natural Antimicrobial Peptide Subtilisin Acts Synergistically with Glycerol Monolaurate, Lauric Arginate, and μ -Poly-L-Lysine against Bacterial Vaginosis-Associated Pathogens but Not Human Lactobacilli. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1756-1761.	3.2	44
67	Targeted PEG-based bioconjugates enhance the cellular uptake and transport of a HIV-1 TAT nonapeptide. <i>Journal of Controlled Release</i> , 2001, 77, 199-212.	9.9	43
68	Biodistribution and renal clearance of biocompatible lung targeted poly(ethylene glycol) (PEG) nanogel aggregates. <i>Journal of Controlled Release</i> , 2012, 164, 65-73.	9.9	42
69	Oral absorption of anti-aids nucleoside analogues. 1. Intestinal transport of didanosine in rat and rabbit preparations. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 959-965.	3.3	41
70	Enhanced passive pulmonary targeting and retention of PEGylated rigid microparticles in rats. <i>International Journal of Pharmaceutics</i> , 2010, 402, 64-71.	5.2	41
71	The Architecture and Function of Monoclonal Antibody-Functionalized Mesoporous Silica Nanoparticles Loaded with Mifepristone: Repurposing Abortifacient for Cancer Metastatic Chemoprevention. <i>Small</i> , 2016, 12, 2595-2608.	10.0	41
72	Utility of Pharmacodynamic Measures for Assessing the Oral Bioavailability of Peptides. 1. Administration of Recombinant Salmon Calcitonin in Rats. <i>Journal of Pharmaceutical Sciences</i> , 1995, 84, 1374-1378.	3.3	40

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73	Optimal structural design of mannosylated nanocarriers for macrophage targeting. <i>Journal of Controlled Release</i> , 2014, 194, 341-349.	9.9	40
74	Enhanced Specificity in Capturing and Restraining Circulating Tumor Cells with Dual Antibody-Dendrimer Conjugates. <i>Advanced Functional Materials</i> , 2015, 25, 1304-1313.	14.9	40
75	An investigation of the intradermal route as an effective means of immunization for microparticulate vaccine delivery systems. <i>Vaccine</i> , 2000, 18, 2600-2612.	3.8	39
76	Peritoneal Macrophage Uptake, Pharmacokinetics and Biodistribution of Macrophage-Targeted PEG-fMLF (N-Formyl-Methionyl-Leucyl-Phenylalanine) Nanocarriers for Improving HIV Drug Delivery. <i>Pharmaceutical Research</i> , 2007, 24, 2110-2119.	3.5	39
77	Drug delivery strategies and systems for HIV/AIDS pre-exposure prophylaxis and treatment. <i>Journal of Controlled Release</i> , 2015, 219, 669-680.	9.9	39
78	Delineation of Human Peptide Transporter 1 (hPepT1)-Mediated Uptake and Transport of Substrates with Varying Transporter Affinities Utilizing Stably Transfected hPepT1/Madin-Darby Canine Kidney Clones and Caco-2 Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1093-1100.	2.5	38
79	The Architecture and Biological Function of Dual Antibody-Coated Dendrimers: Enhanced Control of Circulating Tumor cells and Their Hetero-Adhesion to Endothelial Cells for Metastasis Prevention. <i>Theranostics</i> , 2014, 4, 1250-1263.	10.0	38
80	The nanotechnology race between China and the United States. <i>Nano Today</i> , 2016, 11, 7-12.	11.9	37
81	Impact of regional intestinal pH modulation on absorption of peptide drugs: oral absorption studies of salmon calcitonin in beagle dogs. <i>Pharmaceutical Research</i> , 1999, 16, 1233-1239.	3.5	35
82	Effect of experimental pH on the in vitro permeability in intact rabbit intestines and Caco-2 monolayer. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 25, 193-200.	4.0	34
83	siRNA-Getting the message out. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 27, 401-410.	4.0	34
84	Influence of Molecular Size on the Retention of Polymeric Nanocarrier Diagnostic Agents in Breast Ducts. <i>Pharmaceutical Research</i> , 2012, 29, 2377-2388.	3.5	34
85	Ex vivo and in vivo capture and deactivation of circulating tumor cells by dual-antibody-coated nanomaterials. <i>Journal of Controlled Release</i> , 2015, 209, 159-169.	9.9	33
86	Determining the absolute surface hydrophobicity of microparticulates using thin layer wicking. <i>Journal of Controlled Release</i> , 1999, 59, 173-185.	9.9	32
87	Expression of proliferative and inflammatory markers in a full-thickness human skin equivalent following exposure to the model sulfur mustard vesicant, 2-chloroethyl ethyl sulfide. <i>Toxicology and Applied Pharmacology</i> , 2010, 249, 178-187.	2.8	32
88	Multivalent Conjugation of Antibody to Dendrimers for the Enhanced Capture and Regulation on Colon Cancer Cells. <i>Scientific Reports</i> , 2015, 5, 9445.	3.3	32
89	Effect of ionization on the variable uptake of valacyclovir via the human intestinal peptide transporter (hPepT1) in CHO cells. <i>Biopharmaceutics and Drug Disposition</i> , 2000, 21, 165-174.	1.9	31
90	Using novobiocin as a specific inhibitor of breast cancer resistant protein to assess the role of transporter in the absorption and disposition of topotecan. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2007, 10, 519.	2.1	31

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91	Optimizing Size and Copy Number For PEG-fMLF (N-Formyl-methionyl-leucyl-phenylalanine) Nanocarrier Uptake by Macrophages. <i>Bioconjugate Chemistry</i> , 2008, 19, 28-38.	3.6	31
92	Differential Roles of P-Glycoprotein, Multidrug Resistance-Associated Protein 2, and CYP3A on Saquinavir Oral Absorption in Sprague-Dawley Rats. <i>Drug Metabolism and Disposition</i> , 2008, 36, 863-869.	3.3	31
93	The generation of 4-hydroxynonenal, an electrophilic lipid peroxidation end product, in rabbit cornea organ cultures treated with UVB light and nitrogen mustard. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 345-355.	2.8	31
94	Biostable Aptamer Rings Conjugated for Targeting Two Biomarkers on Circulating Tumor Cells in Vivo with Great Precision. <i>Chemistry of Materials</i> , 2017, 29, 10312-10325.	6.7	31
95	Inhibition of efflux transporter ABCG2/BCRP does not restore mitoxantrone sensitivity in irinotecan-selected human leukemia CPT-K5 cells: Evidence for multifactorial multidrug resistance. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 29, 102-110.	4.0	30
96	Quantitative Assessment of the Cell Penetrating Properties of RI-Tat-9: Evidence for a Cell Type-Specific Barrier at the Plasma Membrane of Epithelial Cells. <i>Molecular Pharmaceutics</i> , 2004, 1, 145-155.	4.6	29
97	THE BLOOD-BRAIN BARRIER SODIUM-DEPENDENT MULTIVITAMIN TRANSPORTER: A MOLECULAR FUNCTIONAL IN VITRO-IN SITU CORRELATION. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1547-1554.	3.3	29
98	Novel Monodisperse PEGtide Dendrons: Design, Fabrication, and Evaluation of Mannose Receptor-Mediated Macrophage Targeting. <i>Bioconjugate Chemistry</i> , 2013, 24, 1332-1344.	3.6	29
99	Influence of the Microporous Substratum and Hydrodynamics on Resistances to Drug Transport in Cell Culture Systems: Calculation of Intrinsic Transport Parameters. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 1448-1457.	3.3	28
100	The Effect of Cell Culture Conditions on Saquinavir Transport Through, and Interactions with, MDCKII Cells Overexpressing hMDR1. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 1957-1967.	3.3	28
101	Differentiation of Gut and Hepatic First Pass Metabolism and Secretion of Saquinavir in Ported Rabbits. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 310, 359-366.	2.5	28
102	Tumor-targeted and activated bioconjugates for improved camptothecin delivery. <i>Anti-Cancer Drugs</i> , 2005, 16, 763-775.	1.4	28
103	Regulation of Hsp27 and Hsp70 expression in human and mouse skin construct models by caveolae following exposure to the model sulfur mustard vesicant, 2-chloroethyl ethyl sulfide. <i>Toxicology and Applied Pharmacology</i> , 2011, 253, 112-120.	2.8	27
104	Systematic Development and Characterization of Novel, High Drug-Loaded, Photostable, Curcumin Solid Lipid Nanoparticle Hydrogel for Wound Healing. <i>Antioxidants</i> , 2021, 10, 725.	5.1	27
105	Mass balance approaches for estimating the intestinal absorption and metabolism of peptides and analogues: theoretical development and applications. <i>Pharmaceutical Research</i> , 1993, 10, 271-275.	3.5	26
106	Adjuvancy enhancement of muramyl dipeptide by modulating its release from a physicochemically modified matrix of ovalbumin microspheres. <i>Journal of Controlled Release</i> , 2000, 69, 69-80.	9.9	25
107	Prodrug and conjugate drug delivery strategies for improving HIV/AIDS therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2009, 19, 3-14.	3.0	25
108	Systems pharmacology of mifepristone (RU486) reveals its 47 hub targets and network: Comprehensive analysis and pharmacological focus on FAK-Src-Paxillin complex. <i>Scientific Reports</i> , 2015, 5, 7830.	3.3	25

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109	Regional oral absorption, hepatic first-pass effect, and non-linear disposition of salmon calcitonin in beagle dogs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2000, 50, 205-211.	4.3	24
110	Polyethylene Glycol-Based Hydrogels for Controlled Release of the Antimicrobial Subtilisin for Prophylaxis of Bacterial Vaginosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2747-2753.	3.2	24
111	Effect of diverse datasets on the predictive capability of ADME models in drug discovery. <i>Drug Discovery Today</i> , 2001, 6, 54-61.	6.4	23
112	The effect of size and polymer architecture of doxorubicin-poly(ethylene glycol) conjugate nanocarriers on breast duct retention, potency and toxicity. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 118-125.	4.0	23
113	Noninvasive Detection of Passively Targeted Poly(ethylene glycol) Nanocarriers in Tumors. <i>Molecular Pharmaceutics</i> , 2012, 9, 144-155.	4.6	22
114	Antitubercular Nanocarrier Combination Therapy: Formulation Strategies and <i>in Vitro</i> Efficacy for Rifampicin and SQ641. <i>Molecular Pharmaceutics</i> , 2015, 12, 1554-1563.	4.6	22
115	China and the United States-Global partners, competitors and collaborators in nanotechnology development. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 13-19.	3.3	22
116	DIFFERENTIATION OF GUT AND HEPATIC FIRST-PASS LOSS OF VERAPAMIL IN INTESTINAL AND VASCULAR ACCESS-PORTED (IVAP) RABBITS. <i>Drug Metabolism and Disposition</i> , 2004, 32, 1293-1298.	3.3	21
117	Nonenzymatic, Self-Elimination Degradation Mechanism of Glutathione. <i>Chemistry and Biodiversity</i> , 2009, 6, 527-539.	2.1	21
118	Regional differences in intestinal spreading and pH recovery and the impact on salmon calcitonin absorption in dogs. <i>Pharmaceutical Research</i> , 2000, 17, 284-290.	3.5	20
119	Novel multi-component nanopharmaceuticals derived from poly(ethylene glycol), retro-inverso-Tat nonapeptide and saquinavir demonstrate combined anti-HIV effects. <i>AIDS Research and Therapy</i> , 2006, 3, 12.	1.7	20
120	Therapeutic potential of a non-steroidal bifunctional anti-inflammatory and anti-cholinergic agent against skin injury induced by sulfur mustard. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 236-244.	2.8	20
121	Characterization of the oral absorption of several aminopenicillins: Determination of intrinsic membrane absorption parameters in the rat intestine <i>in situ</i> . <i>International Journal of Pharmaceutics</i> , 1992, 85, 181-187.	5.2	19
122	Gelation Chemistries for the Encapsulation of Nanoparticles in Composite Gel Microparticles for Lung Imaging and Drug Delivery. <i>Biomacromolecules</i> , 2014, 15, 252-261.	5.4	19
123	Carrier mediated transport of amino acids, small peptides, and their drug analogs. <i>Journal of Controlled Release</i> , 1987, 6, 115-121.	9.9	18
124	Characterization of the Oral Absorption of Some β -Lactams Effect of the α -Amino Side Chain Group. <i>Journal of Pharmaceutical Sciences</i> , 1993, 82, 897-900.	3.3	17
125	Selective Cytotoxicity and Combined Effects of Camptothecin or Paclitaxel with Sodium-R-Alpha Lipolate on A549 Human Non-Small Cell Lung Cancer Cells. <i>Nutrition and Cancer</i> , 2014, 66, 492-499.	2.0	17
126	A Novel Bivalent Mannosylated Targeting Ligand Displayed on Nanoparticles Selectively Targets Anti-Inflammatory M2 Macrophages. <i>Pharmaceutics</i> , 2020, 12, 243.	4.5	17

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127	Site-specific oral absorption of didanosine: in situ characterization and correlation with extent of absorption in vivo. <i>International Journal of Pharmaceutics</i> , 1994, 109, 125-133.	5.2	16
128	Oral absorption of anti- AIDS nucleoside analogues. 3. Regional absorption and in vivo permeability of 2â€², 3â€² - dideoxyinosine in an intestinal-vascular access port (IVAP) dog model. , 1997, 18, 697-710.		16
129	Microfluidic Generation of Droplets with a High Loading of Nanoparticles. <i>Langmuir</i> , 2012, 28, 13143-13148.	3.5	16
130	Breast intraductal nanoformulations for treating ductal carcinoma in situ I: Exploring metal-ion complexation to slow ciclopirox release, enhance mammary persistence and efficacy. <i>Journal of Controlled Release</i> , 2020, 323, 71-82.	9.9	16
131	Differentiation of gut and hepatic first-pass effect of drugs: 1. Studies of verapamil in ported dogs. <i>Pharmaceutical Research</i> , 2001, 18, 1721-1728.	3.5	15
132	Conjugates Bearing Multiple Formyl-Methionyl Peptides Display Enhanced Binding to but Not Activation of Phagocytic Cells. <i>Bioconjugate Chemistry</i> , 2002, 13, 216-223.	3.6	15
133	Synthesis, Characterization, and In Vitro Assay of Folic Acid Conjugates of 3â€²-Azido-3â€²-Deoxythymidine (AZT): Toward Targeted AZT Based Anticancer Therapeutics. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 173-185.	1.1	15
134	Poly(ethylene glycol) (PEG)-lactic acid nanocarrier-based degradable hydrogels for restoring the vaginal microenvironment. <i>Journal of Controlled Release</i> , 2014, 194, 301-309.	9.9	15
135	Determination intestinal metabolism and permeability for several compounds in rats. Implications on regional bioavailability in humans. <i>Pharmaceutical Research</i> , 1996, 13, 108-113.	3.5	14
136	Oral Absorption of Anti-Acquired Immune Deficiency Syndrome Nucleoside Analogues. 2. Carrier-Mediated Intestinal Transport of Stavudine in Rat and Rabbit Preparationsâ€. <i>Journal of Pharmaceutical Sciences</i> , 1996, 85, 478-485.	3.3	14
137	Adjuvancy enhancement of muramyl dipeptide by modulating its release from a physicochemically modified matrix of ovalbumin microspheres. <i>Journal of Controlled Release</i> , 2000, 69, 53-67.	9.9	14
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