Colin W. Pouton

List of Publications by Year
in descending order

167 papers	13,560 citations	36303 51 h-index	22166 113 g-index
177 all docs	177 docs citations	177 times ranked	12493 citing authors

#	Article	IF	Citations
1	Strategies to Address Low Drug Solubility in Discovery and Development. Pharmacological Reviews, 2013, 65, 315-499.	16.0	1,217
2	Formulation of poorly water-soluble drugs for oral administration: Physicochemical and physiological issues and the lipid formulation classification system. European Journal of Pharmaceutical Sciences, 2006, 29, 278-287.	4.0	996
3	Lipid formulations for oral administration of drugs: non-emulsifying, self-emulsifying and â€˜self-microemulsifyingâ€™ drug delivery systems. European Journal of Pharmaceutical Sciences, 2000, 11, S93-S98.	4.0	942
4	Formulation of lipid-based delivery systems for oral administration: Materials, methods and strategies. Advanced Drug Delivery Reviews, 2008, 60, 625-637.	13.7	703
5	Enhancing intestinal drug solubilisation using lipid-based delivery systems. Advanced Drug Delivery Reviews, 2008, 60, 673-691.	13.7	587
6	Formulation of self-emulsifying drug delivery systems. Advanced Drug Delivery Reviews, 1997, 25, 47-58.	13.7	499
7	NKX2-5eGFP/w hESCs for isolation of human cardiac progenitors and cardiomyocytes. Nature Methods, 2011, 8, 1037-1040.	19.0	384
8	Key issues in non-viral gene delivery1PII of original article: S0169-409X(98)00048-9. The article was originally published in Advanced Drug Delivery Reviews 34 (1998) 3â€“19.1. Advanced Drug Delivery Reviews, 2001, 46, 187-203.	13.7	324
9	Self-emulsifying drug delivery systems: formulation and biopharmaceutic evaluation of an investigational lipophilic compound. Pharmaceutical Research, 1992, 09, 87-93.	3.5	312
10	Biosynthetic polyhydroxyalkanoates and their potential in drug delivery. Advanced Drug Delivery Reviews, 1996, 18, 133-162.	13.7	312
11	50 years of oral lipid-based formulations: Provenance, progress and future perspectives. Advanced Drug Delivery Reviews, 2016, 101, 167-194.	13.7	308
12	Using polymeric precipitation inhibitors to improve the absorption of poorly water-soluble drugs: A mechanistic basis for utility. Journal of Drug Targeting, 2010, 18, 704-731.	4.4	273
13	Polycation-DNA complexes for gene delivery: a comparison of the biopharmaceutical properties of cationic polypeptides and cationic lipids. Journal of Controlled Release, 1998, 53, 289-299.	9.9	234
14	Chronic stress in mice remodels lymph vasculature to promote tumour cell dissemination. Nature Communications, 2016, 7, 10634.	12.8	232
15	Targeted delivery to the nucleusâ€†. Advanced Drug Delivery Reviews, 2007, 59, 698-717.	13.7	223
16	Key issues in non-viral gene delivery. Advanced Drug Delivery Reviews, 1998, 34, 3-19.	13.7	219
17	Toward the Establishment of Standardized In Vitro Tests for Lipid-Based Formulations, Part 1: Method Parameterization and Comparison of In Vitro Digestion Profiles Across a Range of Representative Formulations. Journal of Pharmaceutical Sciences, 2012, 101, 3360-3380.	3.3	217
18	Self-emulsifying drug delivery systems: assessment of the efficiency of emulsification. International Journal of Pharmaceutics, 1985, 27, 335-348.	5.2	213

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19	Influence of lipolysis on drug absorption from the gastro-intestinal tract. Advanced Drug Delivery Reviews, 1997, 25, 33-46.	13.7	202
20	Embryonic stem cells as a source of models for drug discovery. Nature Reviews Drug Discovery, 2007, 6, 605-616.	46.4	167
21	Evaluation of the Impact of Surfactant Digestion on the Bioavailability of Danazol after Oral Administration of Lipidic Self-Emulsifying Formulations to Dogs. Journal of Pharmaceutical Sciences, 2008, 97, 995-1012.	3.3	150
22	Transcriptional signature in microglia associated with AÎ² plaque phagocytosis. Nature Communications, 2021, 12, 3015.	12.8	142
23	From influenza to COVID-19: Lipid nanoparticle mRNA vaccines at the frontiers of infectious diseases. Acta Biomaterialia, 2021, 131, 16-40.	8.3	140
24	Increasing the Proportional Content of Surfactant (Cremophor EL) Relative to Lipid in Self-emulsifying Lipid-based Formulations of Danazol Reduces Oral Bioavailability in Beagle Dogs. Pharmaceutical Research, 2007, 24, 748-757.	3.5	137
25	Design of Lipid-Based Formulations for Oral Administration of Poorly Water-Soluble Drugs: Precipitation of Drug after Dispersion of Formulations in Aqueous Solution. Journal of Pharmaceutical Sciences, 2009, 98, 3582-3595.	3.3	135
26	Lipid Digestion as a Trigger for Supersaturation: Evaluation of the Impact of Supersaturation Stabilization on the in Vitro and in Vivo Performance of Self-Emulsifying Drug Delivery Systems. Molecular Pharmaceutics, 2012, 9, 2063-2079.	4.6	125
27	In vitro digestion testing of lipid-based delivery systems: Calcium ions combine with fatty acids liberated from triglyceride rich lipid solutions to form soaps and reduce the solubilization capacity of colloidal digestion products. International Journal of Pharmaceutics, 2013, 441, 323-333.	5.2	112
28	Toward the Establishment of Standardized in Vitro Tests for Lipid-Based Formulations. 2. The Effect of Bile Salt Concentration and Drug Loading on the Performance of Type I, II, IIIA, IIIB, and IV Formulations during in Vitro Digestion. Molecular Pharmaceutics, 2012, 9, 3286-3300.	4.6	110
29	Structure and function of gastro-intestinal lipases. Advanced Drug Delivery Reviews, 1997, 25, 15-32.	13.7	108
30	A Targeted NKX2.1 Human Embryonic Stem Cell Reporter Line Enables Identification of Human Basal Forebrain Derivatives. Stem Cells, 2011, 29, 462-473.	3.2	99
31	Tetraspanins in Viral Infections: a Fundamental Role in Viral Biology?. Journal of Virology, 2005, 79, 10839-10851.	3.4	94
32	Lipid-Based Formulations and Drug Supersaturation: Harnessing the Unique Benefits of the Lipid Digestion/Absorption Pathway. Pharmaceutical Research, 2013, 30, 2976-2992.	3.5	94
33	Molecular dynamics simulations of spontaneous bile salt aggregation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 280, 182-193.	4.7	92
34	A Microtubule-Facilitated Nuclear Import Pathway for Cancer Regulatory Proteins. Traffic, 2007, 8, 673-686.	2.7	87
35	Toward the Establishment of Standardized In Vitro Tests for Lipid-Based Formulations, Part 3: Understanding Supersaturation Versus Precipitation Potential During the In Vitro Digestion of Type I, II, IIIA, IIIB and IV Lipid-Based Formulations. Pharmaceutical Research, 2013, 30, 3059-3076.	3.5	87
36	Synthesis and biological evaluation of Î±-MSH analogues substituted with alanine. Peptides, 1994, 15, 1297-1302.	2.4	83

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37	Unravelling cytosolic delivery of cell penetrating peptides with a quantitative endosomal escape assay. Nature Communications, 2021, 12, 3721.	12.8	78
38	Dynein Light Chain Association Sequences Can Facilitate Nuclear Protein Import. Molecular Biology of the Cell, 2007, 18, 3204-3213.	2.1	71
39	â€˜Stealthâ€™ lipid-based formulations: Poly(ethylene glycol)-mediated digestion inhibition improves oral bioavailability of a model poorly water soluble drug. Journal of Controlled Release, 2014, 192, 219-227.	9.9	69
40	Disposition and safety of inhaled biodegradable nanomedicines: Opportunities and challenges. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1703-1724.	3.3	67
41	Colloidal aspects of dispersion and digestion of self-dispersing lipid-based formulations for poorly water-soluble drugs. Advanced Drug Delivery Reviews, 2019, 142, 16-34.	13.7	67
42	Elastomeric nanocomposites as cell delivery vehicles and cardiac support devices. Soft Matter, 2010, 6, 4715.	2.7	65
43	SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. Stem Cell Research, 2014, 13, 172-179.	0.7	63
44	Macromolecular systems for chemotherapy and magnetic resonance imaging. Advanced Drug Delivery Reviews, 1996, 18, 219-267.	13.7	62
45	A new in vitro lipid digestion â€“ in vivo absorption model to evaluate the mechanisms of drug absorption from lipid-based formulations. Pharmaceutical Research, 2016, 33, 970-982.	3.5	58
46	Nuclear import of polypeptides, polynucleotides and supramolecular complexes. Advanced Drug Delivery Reviews, 1998, 34, 51-64.	13.7	56
47	Viral Delivery of GDNF Promotes Functional Integration of Human Stem Cell Grafts in Parkinsonâ€™s Disease. Cell Stem Cell, 2020, 26, 511-526.e5.	11.1	56
48	Self-Emulsification of Vegetable Oil-Nonionic Surfactant Mixtures. ACS Symposium Series, 1986, , 242-255.	0.5	55
49	Toward the Establishment of Standardized In Vitro Tests for Lipid-Based Formulations. 5. Lipolysis of Representative Formulations by Gastric Lipase. Pharmaceutical Research, 2015, 32, 1279-1287.	3.5	55
50	Efficiently Specified Ventral Midbrain Dopamine Neurons from Human Pluripotent Stem Cells Under Xeno-Free Conditions Restore Motor Deficits in Parkinsonian Rodents. Stem Cells Translational Medicine, 2017, 6, 937-948.	3.3	55
51	Pharmaceutical applications of embryonic stem cells. Advanced Drug Delivery Reviews, 2005, 57, 1918-1934.	13.7	54
52	Amperometric enzyme biosensors for the analysis of drugs and metabolites. Advanced Drug Delivery Reviews, 1996, 18, 163-191.	13.7	53
53	Toward the Establishment of Standardized In Vitro Tests for Lipid-Based Formulations, Part 6: Effects of Varying Pancreatin and Calcium Levels. AAPS Journal, 2014, 16, 1344-1357.	4.4	53
54	Acute or Delayed Systemic Administration of Human Amnion Epithelial Cells Improves Outcomes in Experimental Stroke. Stroke, 2018, 49, 700-709.	2.0	53

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55	Crystallization behaviour and drug release from bacterial polyhydroxyalkanoates. Polymer, 1992, 33, 117-126.	3.8	52
56	Overcoming biological barriers to in vivo efficacy of antisense oligonucleotides. Expert Reviews in Molecular Medicine, 2009, 11, e10.	3.9	50
57	Evaluation of the Structural Determinants of Polymeric Precipitation Inhibitors Using Solvent Shift Methods and Principle Component Analysis. Molecular Pharmaceutics, 2013, 10, 2823-2848.	4.6	48
58	Synthesis and Biological Evaluation of Nâ€Substituted Noscapine Analogues. ChemMedChem, 2012, 7, 2122-2133.	3.2	46
59	Cyclosporin Structure and Permeability: From A to Z and Beyond. Journal of Medicinal Chemistry, 2021, 64, 13131-13151.	6.4	43
60	Toward the Establishment of Standardized In Vitro Tests for Lipid-Based Formulations, Part 4: Proposing a New Lipid Formulation Performance Classification System. Journal of Pharmaceutical Sciences, 2014, 103, 2441-2455.	3.3	42
61	A comparison of the lung clearance kinetics of solid lipid nanoparticles and liposomes by following the 3H-labelled structural lipids after pulmonary delivery in rats. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 125, 1-12.	4.3	42
62	Enhanced Extravasation, Stability and in Vivo Cardiac Gene Silencing via in Situ siRNAâ€“Albumin Conjugation. Molecular Pharmaceutics, 2012, 9, 71-80.	4.6	41
63	Digestion of Phospholipids after Secretion of Bile into the Duodenum Changes the Phase Behavior of Bile Components. Molecular Pharmaceutics, 2014, 11, 2825-2834.	4.6	40
64	Polymeric Precipitation Inhibitors Promote Fenofibrate Supersaturation and Enhance Drug Absorption from a Type IV Lipid-Based Formulation. Molecular Pharmaceutics, 2018, 15, 2355-2371.	4.6	40
65	Mechanism of Microtubule-facilitated â€œFast Trackâ€•Nuclear Import. Journal of Biological Chemistry, 2011, 286, 14335-14351.	3.4	39
66	Unlocking the full potential of lipid-based formulations using lipophilic salt/ionic liquid forms. Advanced Drug Delivery Reviews, 2019, 142, 75-90.	13.7	39
67	Solubilisation behaviour of poorly water-soluble drugs during digestion of solid SMEDDS. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 130, 236-246.	4.3	36
68	Using Molecular Dynamics to Study Liquid Phase Behavior: Simulations of the Ternary Sodium Laurate/Sodium Oleate/Water System. Langmuir, 2011, 27, 11381-11393.	3.5	35
69	In vitro assessment of drug-free and fenofibrate-containing lipid formulations using dispersion and digestion testing gives detailed insights into the likely fate of formulations in the intestine. European Journal of Pharmaceutical Sciences, 2013, 49, 748-760.	4.0	35
70	Transformation of Biopharmaceutical Classification System Class I and III Drugs Into Ionic Liquids and Lipophilic Salts for Enhanced Developability Using Lipid Formulations. Journal of Pharmaceutical Sciences, 2018, 107, 203-216.	3.3	35
71	In vivo delivery of plasmid DNA by lipid nanoparticles: the influence of ionizable cationic lipids on organ-selective gene expression. Biomaterials Science, 2022, 10, 2940-2952.	5.4	35
72	Enhancing the Oral Absorption of Kinase Inhibitors Using Lipophilic Salts and Lipid-Based Formulations. Molecular Pharmaceutics, 2018, 15, 5678-5696.	4.6	34

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73	Glyceride Lipid Formulations: Molecular Dynamics Modeling of Phase Behavior During Dispersion and Molecular Interactions Between Drugs and Excipients. Pharmaceutical Research, 2013, 30, 3238-3253.	3.5	33
74	Cationic lipid-mediated transfection of differentiated Caco-2 cells: a filter culture model of gene delivery to a polarized epithelium. Pharmaceutical Research, 1999, 16, 1805-1811.	3.5	32
75	Comparison of 5-HT4 and 5-HT7 receptor expression and function in the circular muscle of the human colon. Life Sciences, 2007, 80, 1198-1205.	4.3	32
76	A PITX3 -EGFP Reporter Line Reveals Connectivity of Dopamine and Non-dopamine Neuronal Subtypes in Grafts Generated from Human Embryonic Stem Cells. Stem Cell Reports, 2017, 9, 868-882.	4.8	32
77	Electrical and neurotransmitter activity of mature neurons derived from mouse embryonic stem cells by Sox-1 lineage selection and directed differentiation. European Journal of Neuroscience, 2004, 20, 3209-3221.	2.6	31
78	Cardioprotection Induced by Adenosine A1 Receptor Agonists in a Cardiac Cell Ischemia Model Involves Cooperative Activation of Adenosine A2A and A2B Receptors by Endogenous Adenosine. Journal of Cardiovascular Pharmacology, 2009, 53, 424-433.	1.9	31
79	Adenovirus: a blueprint for non-viral gene delivery. Current Opinion in Biotechnology, 2010, 21, 627-632.	6.6	31
80	Structure and Dynamics of Glyceride Lipid Formulations, with Propylene Glycol and Water. Molecular Pharmaceutics, 2009, 6, 604-614.	4.6	30
81	An in Vitro Digestion Test That Reflects Rat Intestinal Conditions To Probe the Importance of Formulation Digestion vs First Pass Metabolism in Danazol Bioavailability from Lipid Based Formulations. Molecular Pharmaceutics, 2014, 11, 4069-4083.	4.6	30
82	Computational Models of the Gastrointestinal Environment. 2. Phase Behavior and Drug Solubilization Capacity of a Type I Lipid-Based Drug Formulation after Digestion. Molecular Pharmaceutics, 2017, 14, 580-592.	4.6	30
83	Synthesis and characterisation of polyamineâ€“poly(ethylene glycol) constructs for DNA binding and gene delivery. Bioorganic and Medicinal Chemistry, 2000, 8, 1779-1797.	3.0	29
84	Interaction of viruses with host cell molecular motors. Current Opinion in Biotechnology, 2010, 21, 633-639.	6.6	29
85	In Vitro Maturation of Dopaminergic Neurons Derived from Mouse Embryonic Stem Cells: Implications for Transplantation. PLoS ONE, 2012, 7, e31999.	2.5	28
86	The Synthesis and Biological Evaluation of Multifunctionalised Derivatives of Noscapine as Cytotoxic Agents. ChemMedChem, 2014, 9, 399-410.	3.2	28
87	Effect of increased surface hydrophobicity via drug conjugation on the clearance of inhaled PEGylated polylysine dendrimers. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 408-418.	4.3	28
88	The potential of oily formulations for drug delivery to the gastro-intestinal tract. Advanced Drug Delivery Reviews, 1997, 25, 1-2.	13.7	27
89	Preparation and in Vitro Evaluation of Novel Lipopeptide Transfection Agents for Efficient Gene Delivery. Bioconjugate Chemistry, 2008, 19, 940-950.	3.6	27
90	Computational Models of the Gastrointestinal Environment. 1. The Effect of Digestion on the Phase Behavior of Intestinal Fluids. Molecular Pharmaceutics, 2017, 14, 566-579.	4.6	27

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91	Inclusion of Digestible Surfactants in Solid SMEDDS Formulation Removes Lag Time and Influences the Formation of Structured Particles During Digestion. AAPS Journal, 2017, 19, 754-764.	4.4	27
92	Computational Models of the Intestinal Environment. 3. The Impact of Cholesterol Content and pH on Mixed Micelle Colloids. Molecular Pharmaceutics, 2017, 14, 3684-3697.	4.6	26
93	Local inflammation alters the lung disposition of a drug loaded pegylated liposome after pulmonary dosing to rats. Journal of Controlled Release, 2019, 307, 32-43.	9.9	26
94	Cooperative Cardioprotection Through Adenosine A1 and A2A Receptor Agonism in Ischemia-Reperfused Isolated Mouse Heart. Journal of Cardiovascular Pharmacology, 2010, 56, 379-388.	1.9	25
95	Suggested Procedures for the Reproducible Synthesis of Poly(d,l-lactideco-glycolide) Nanoparticles Using the Emulsification Solvent Diffusion Platform. Current Nanoscience, 2018, 14, 448-453.	1.2	25
96	Directed Expression of Gata2, Mash1, and Foxa2 Synergize to Induce the Serotonergic Neuron Phenotype During In Vitro Differentiation of Embryonic Stem Cells. Stem Cells, 2011, 29, 928-939.	3.2	23
97	Lmx1a Allows Context-Specific Isolation of Progenitors of GABAergic or Dopaminergic Neurons During Neural Differentiation of Embryonic Stem Cells. Stem Cells, 2012, 30, 1349-1361.	3.2	23
98	PI3K activation in neural stem cells drives tumorigenesis which can be ameliorated by targeting the cAMP response element binding protein. Neuro-Oncology, 2018, 20, 1344-1355.	1.2	23
99	Isolation of LMX1a Ventral Midbrain Progenitors Improves the Safety and Predictability of Human Pluripotent Stem Cell-Derived Neural Transplants in Parkinsonian Disease. Journal of Neuroscience, 2019, 39, 9521-9531.	3.6	23
100	Influence of Î±-MSH terminal amino acids on binding affinity and biological activity in melanoma cells. Peptides, 1994, 15, 441-446.	2.4	22
101	The impact of size and charge on the pulmonary pharmacokinetics and immunological response of the lungs to PLGA nanoparticles after intratracheal administration to rats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102291.	3.3	22
102	Identification of a Melanocortin Receptor Expressed by Murine Brain Microvascular Endothelial Cells in Culture. Microvascular Research, 1995, 50, 25-34.	2.5	20
103	Pharmaceutical and Biological Properties of Poly(amino acid)/DNA Polyplexes. Journal of Drug Targeting, 1999, 7, 143-156.	4.4	20
104	Dual acting antioxidant A1 adenosine receptor agonists. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5437-5441.	2.2	20
105	Synthesis and Pharmacological Evaluation of Noscapine-Inspired 5-Substituted Tetrahydroisoquinolines as Cytotoxic Agents. Journal of Medicinal Chemistry, 2018, 61, 8444-8456.	6.4	20
106	A Nonionic Polyethylene Oxide (PEO) Surfactant Model: Experimental and Molecular Dynamics Studies of Kolliphor EL. Journal of Pharmaceutical Sciences, 2019, 108, 193-204.	3.3	20
107	Quantifying the Endosomal Escape of pH-Responsive Nanoparticles Using the Split Luciferase Endosomal Escape Quantification Assay. ACS Applied Materials & Interfaces, 2022, 14, 3653-3661.	8.0	19
108	Heterogeneous population of dopaminergic neurons derived from mouse embryonic stem cells: preliminary phenotyping based on receptor expression and function. European Journal of Neuroscience, 2007, 25, 1961-1970.	2.6	18

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109	Modulation of nucleocytoplasmic trafficking by retention in cytoplasm or nucleus. Journal of Cellular Biochemistry, 2009, 107, 1160-1167.	2.6	18
110	Monofunctional electrophilic and nucleophilic derivatives of meso-tetraphenylporphyrin for attachment to peptides. Journal of the Chemical Society Chemical Communications, 1995, , 1809.	2.0	17
111	Synthesis and Pharmacological Evaluation of Dual Acting Antioxidant A_{2A} Adenosine Receptor Agonists. Journal of Medicinal Chemistry, 2012, 55, 3521-3534.	6.4	17
112	Binding and Biological Activity of C-Terminally Modified Melanocortin Peptides: A Comparison Between Their Actions at Rodent MC1 and MC3 Receptors. Peptides, 1997, 18, 1001-1008.	2.4	16
113	Choice of Nonionic Surfactant Used to Formulate Type IIIA Self-Emulsifying Drug Delivery Systems and the Physicochemical Properties of the Drug Have a Pronounced Influence on the Degree of Drug Supersaturation that Develops During In Vitro Digestion. Journal of Pharmaceutical Sciences, 2014, 103, 1050-1063.	3.3	16
114	Human pluripotent stem cell derived midbrain PITX3eGFP/w neurons: a versatile tool for pharmacological screening and neurodegenerative modeling. Frontiers in Cellular Neuroscience, 2015, 9, 104.	3.7	16
115	Transient Supersaturation Supports Drug Absorption from Lipid-Based Formulations for Short Periods of Time, but Ongoing Solubilization Is Required for Longer Absorption Periods. Molecular Pharmaceutics, 2017, 14, 394-405.	4.6	16
116	A CX3CR1 Reporter hESC Line Facilitates Integrative Analysis of In-Vitro-Derived Microglia and Improved Microglia Identity upon Neuron-Glia Co-culture. Stem Cell Reports, 2020, 14, 1018-1032.	4.8	16
117	A Novel Highly Selective Adenosine A1 Receptor Agonist VCP28 Reduces Ischemia Injury in a Cardiac Cell Line and Ischemiaâ€“Reperfusion Injury in Isolated Rat Hearts at Concentrations That Do Not Affect Heart Rate. Journal of Cardiovascular Pharmacology, 2010, 56, 282-292.	1.9	14
118	Investigations into the Binding Affinities of Different Human 5-HT4 Receptor Splice Variants. Pharmacology, 2010, 85, 224-233.	2.2	14
119	A suicidal strain of Listeria monocytogenes is effective as a DNA vaccine delivery system for oral administration. Vaccine, 2017, 35, 5115-5122.	3.8	13
120	A biodegradable multiblock co-polymer derived from an Î±,Ï‰-bis(methylamino)peptide and an Î±,Ï‰-bis(oxiranylmethyl)poly(ethylene glycol). Journal of Controlled Release, 2000, 67, 129-139.	9.9	12
121	Aqueous phase behavior of the PEO-containing non-ionic surfactant C12E6: A molecular dynamics simulation study. Journal of Colloid and Interface Science, 2021, 588, 257-268.	9.4	12
122	Generic construction of single component particles that elicit humoural and cellular immune responses without the need for adjuvants. Vaccine, 2008, 26, 6824-6831.	3.8	11
123	A Stably Engineered, Suicidal Strain of Listeria monocytogenes Delivers Protein and/or DNA to Fully Differentiated Intestinal Epithelial Monolayers. Molecular Pharmaceutics, 2009, 6, 1052-1061.	4.6	11
124	Synthesis and evaluation of new N6-substituted adenosine-5â€²-N-methylcarboxamides as A3 adenosine receptor agonists. Bioorganic and Medicinal Chemistry, 2010, 18, 3078-3087.	3.0	10
125	Endothelin-1 and angiotensin II modulate rate and contraction amplitude in a subpopulation of mouse embryonic stem cell-derived cardiomyocyte-containing bodies. Stem Cell Research, 2011, 6, 23-33.	0.7	10
126	Characterising the developmental profile of human embryonic stem cell-derived medium spiny neuron progenitors and assessing mature neuron function using a CRISPR-generated human DARPP-32 WT/eGFP-AMP reporter line. Neurochemistry International, 2017, 106, 3-13.	3.8	10

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127	Self-Crosslinking Lipopeptide/DNA/PEGylated Particles: A New Platform for DNA Vaccination Designed for Assembly in Aqueous Solution. Molecular Therapy - Nucleic Acids, 2018, 12, 504-517.	5.1	10
128	Endothelial cell biology and culture methods for drug transport studies. Advanced Drug Delivery Reviews, 1996, 18, 193-218.	13.7	9
129	Location of Solvated Probe Molecules Within Nonionic Surfactant Micelles Using Molecular Dynamics. Journal of Pharmaceutical Sciences, 2019, 108, 205-213.	3.3	9
130	Compartmentalized microfluidic chambers enable long-term maintenance and communication between human pluripotent stem cell-derived forebrain and midbrain neurons. Lab on A Chip, 2021, 21, 4016-4030.	6.0	9
131	Midbrain and forebrain patterning delivers immunocytochemically and functionally similar populations of neuropeptide Y containing GABAergic neurons. Neurochemistry International, 2011, 59, 413-20.	3.8	8
132	Non-linear Increases in Danazol Exposure with Dose in Older vs. Younger Beagle Dogs: The Potential Role of Differences in Bile Salt Concentration, Thermodynamic Activity, and Formulation Digestion. Pharmaceutical Research, 2014, 31, 1536-1552.	3.5	8
133	Synthesis of porphyrin Î±,Ï‰-bis(methylamino)peptide constructs. New Journal of Chemistry, 1999, 23, 1087-1096.	2.8	7
134	Molecular Modelling of Î² Turns in a Cyclic Melanotropin. Journal of Pharmacy and Pharmacology, 2011, 48, 218-222.	2.4	7
135	Specification of murine ground state pluripotent stem cells to regional neuronal populations. Scientific Reports, 2017, 7, 16001.	3.3	7
136	Improvement in the Predicted Partitioning of Alcohol and Polyethylene Oxide Groups Between Water and Octanol (logP) in Molecular Dynamics Simulations. Journal of Pharmaceutical Sciences, 2019, 108, 214-222.	3.3	7
137	Synthesis of 153N-6 analogues and structure-function analysis at murine melanocortin-1 (MC1) receptors. Peptides, 1999, 20, 387-394.	2.4	6
138	Haplotyping the human leukocyte antigen system from single chromosomes. Scientific Reports, 2016, 6, 30381.	3.3	6
139	Interaction with biliary and pancreatic fluids drives supersaturation and drug absorption from lipid-based formulations of low (saquinavir) and high (fenofibrate) permeability poorly soluble drugs. Journal of Controlled Release, 2021, 331, 45-61.	9.9	6
140	Lipophilic Salts and Lipid-Based Formulations: Enhancing the Oral Delivery of Octreotide. Pharmaceutical Research, 2021, 38, 1125-1137.	3.5	6
141	Extended periods of neural induction and propagation of embryonic stem cell-derived neural progenitors with EGF and FGF2 enhances Lmx1a expression and neurogenic potential. Neurochemistry International, 2011, 59, 394-403.	3.8	5
142	Receptor Binding Affinities and Biological Activities of Linear and Cyclic Melanocortins in B16 Murine Melanoma Cells Expressing the Native MC1 Receptor. Journal of Pharmacy and Pharmacology, 2011, 48, 197-200.	2.4	5
143	Spherulitic Morphology and its Influence on Drug Release from Melt-Processed Biodegradable P(HB-HV) Polyesters. Journal of Pharmacy and Pharmacology, 2011, 42, 133P-133P.	2.4	5
144	Synthesis and Biological Evaluation of Adenosines with Heterobicyclic and Polycyclic N⁶â€Substituents as Adenosine A₁ Receptor Agonists. ChemMedChem, 2012, 7, 1191-1201.	3.2	5

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145	Polymeric Nanotubes as Drug Delivery Vectorsâ”€Comparison of Covalently and Supramolecularly Assembled Constructs. Biomacromolecules, 2022, 23, 2315-2328.	5.4	5
146	Assessing the cellular toxicity of peptide inhibitors of intracellular protein-protein interactions by microinjection. Bioorganic and Medicinal Chemistry, 2021, 29, 115906.	3.0	4
147	Adenovirus Terminal Protein Contains a Bipartite Nuclear Localisation Signal Essential for Its Import into the Nucleus. International Journal of Molecular Sciences, 2021, 22, 3310.	4.1	4
148	Purification and characterization of adenovirus core protein VII: a histone-like protein that is critical for adenovirus core formation. Journal of General Virology, 2017, 98, 1785-1794.	2.9	4
149	Troubleshooting immunohistochemical labelling of proliferating cell nuclear antigen (PCNA) in cryocut tissue sections of mouse prostate. Journal of Pharmacological and Toxicological Methods, 2010, 61, 98-101.	0.7	3
150	Commercially Supplied Amine-Modified siRNAs May Require Ultrafiltration prior to Conjugation with Amine-Reactive Compounds. Journal of Nucleic Acids, 2011, 2011, 1-5.	1.2	3
151	DNA-Dependent Protein Kinase Is a Context Dependent Regulator of Lmx1a and Midbrain Specification. PLoS ONE, 2013, 8, e78759.	2.5	3
152	Zinc-finger Nuclease Enhanced Gene Targeting in Human Embryonic Stem Cells. Journal of Visualized Experiments, 2014, , e51764.	0.3	3
153	Molecular Dynamics Simulations and Experimental Results Provide Insight into Clinical Performance Differences between SandimmuneÂ® and NeoralÂ® Lipid-Based Formulations. Pharmaceutical Research, 2021, 38, 1531-1547.	3.5	3
154	Computational and Experimental Models of Type III Lipid-Based Formulations of Loratadine Containing Complex Nonionic Surfactants. Molecular Pharmaceutics, 2021, 18, 4354-4370.	4.6	3
155	Colloidal characteristics and formulation of pure protein particulate vaccines. Journal of Pharmacy and Pharmacology, 2012, 64, 1386-1393.	2.4	2
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