

# Stuart A Jones

## List of Publications by Year in descending order

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79  
papers

2,991  
citations

257450

24  
h-index

168389

53  
g-index

79  
all docs

79  
docs citations

79  
times ranked

4526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dermal and Transdermal Drug Delivery Systems: Current and Future Prospects. <i>Drug Delivery</i> , 2006, 13, 175-187.	5.7	525
2	Ecosystem Consequences of Changing Inputs of Terrestrial Dissolved Organic Matter to Lakes: Current Knowledge and Future Challenges. <i>Ecosystems</i> , 2015, 18, 376-389.	3.4	382
3	Hyaluronic acid: a unique topical vehicle for the localized delivery of drugs to the skin. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2005, 19, 308-318.	2.4	285
4	Hyaluronan: Pharmaceutical Characterization and Drug Delivery. <i>Drug Delivery</i> , 2005, 12, 327-342.	5.7	283
5	Nail Swelling as a Pre-formulation Screen for the Selection and Optimisation of Ungual Penetration Enhancers. <i>Pharmaceutical Research</i> , 2007, 24, 2207-2212.	3.5	85
6	Quantitative assessment of nanoparticle surface hydrophobicity and its influence on pulmonary biocompatibility. <i>Journal of Controlled Release</i> , 2014, 183, 94-104.	9.9	73
7	Overcoming the nail barrier: A systematic investigation of unguinal chemical penetration enhancement. <i>International Journal of Pharmaceutics</i> , 2009, 370, 61-67.	5.2	67
8	Pharmaceutical foams: are they the answer to the dilemma of topical nanoparticles?. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 227-236.	3.3	60
9	A Framework for Understanding Variation in Pelagic Gross Primary Production of Lake Ecosystems. <i>Ecosystems</i> , 2018, 21, 1364-1376.	3.4	56
10	Effective silencing of ENaC by siRNA delivered with epithelial-targeted nanocomplexes in human cystic fibrosis cells and in mouse lung. <i>Thorax</i> , 2018, 73, 847-856.	5.6	50
11	The Influence of Hydrologic Residence Time on Lake Carbon Cycling Dynamics Following Extreme Precipitation Events. <i>Ecosystems</i> , 2017, 20, 1000-1014.	3.4	46
12	The effects of polyvinyl alcohol on the in vitro stability and delivery of spray-dried protein particles from surfactant-free HFA 134a-based pressurised metered dose inhalers. <i>International Journal of Pharmaceutics</i> , 2005, 304, 29-39.	5.2	44
13	Dynamic foams in topical drug delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 678-684.	2.4	44
14	Manipulation of Beclomethasone-Hydrofluoroalkane Interactions using Biocompatible Macromolecules. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1060-1074.	3.3	39
15	A dynamic topical hydrofluoroalkane foam to induce nanoparticle modification and drug release in situ. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 521-528.	4.3	39
16	Human Nail Plate Modifications Induced by Onychomycosis: Implications for Topical Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 1626-1633.	3.5	38
17	An investigation of how fungal infection influences drug penetration through onychomycosis patient's nail plates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 102, 178-184.	4.3	38
18	The role of vehicle-nanoparticle interactions in topical drug delivery. <i>International Journal of Pharmaceutics</i> , 2010, 400, 176-182.	5.2	34

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19	Diminishing biofilm resistance to antimicrobial nanomaterials through electrolyte screening of electrostatic interactions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 392-399.	5.0	34
20	Understanding heat facilitated drug transport across human epidermis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 642-649.	4.3	32
21	Transient drug supersaturation kinetics of beclomethasone dipropionate in rapidly drying films. <i>International Journal of Pharmaceutics</i> , 2009, 371, 114-119.	5.2	31
22	Back to basics: The development of a simple, homogenous, two-component dry powder inhaler formulation for the delivery of budesonide using miscible vinyl polymers. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 1257-1267.	3.3	30
23	Poly(vinyl alcohol) nanoparticle stability in biological media and uptake in respiratory epithelial cell layers in vitro. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 438-443.	4.3	29
24	An investigation into solvent-membrane interactions when assessing drug release from organic vehicles using regenerated cellulose membranes. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1139-1147.	2.4	25
25	The effects of particle properties on nanoparticle drug retention and release in dynamic minoxidil foams. <i>International Journal of Pharmaceutics</i> , 2010, 383, 277-284.	5.2	25
26	Hydrologic setting constrains lake heterotrophy and terrestrial carbon fate. <i>Limnology and Oceanography Letters</i> , 2018, 3, 256-264.	3.9	25
27	Stabilisation of deoxyribonuclease in hydrofluoroalkanes using miscible vinyl polymers. <i>Journal of Controlled Release</i> , 2006, 115, 1-8.	9.9	23
28	Multilayer PVA adsorption onto hydrophobic drug substrates to engineer drug-rich microparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 20-28.	4.0	23
29	A fundamental investigation into the effects of eutectic formation on transmembrane transport. <i>International Journal of Pharmaceutics</i> , 2010, 393, 68-73.	5.2	23
30	High-pressure aerosol suspensions – A novel laser diffraction particle sizing system for hydrofluoroalkane pressurised metered dose inhalers. <i>International Journal of Pharmaceutics</i> , 2005, 302, 154-165.	5.2	22
31	Topical corticosteroid delivery into human skin using hydrofluoroalkane metered dose aerosol sprays. <i>International Journal of Pharmaceutics</i> , 2013, 452, 157-165.	5.2	20
32	Triggered-release nanocapsules for drug delivery to the lungs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 89-97.	3.3	20
33	Investigating the ability of nanoparticle-loaded hydroxypropyl methylcellulose and xanthan gum gels to enhance drug penetration into the skin. <i>International Journal of Pharmaceutics</i> , 2016, 513, 302-308.	5.2	19
34	Engineering novel topical foams using hydrofluoroalkane emulsions stabilised with pluronic surfactants. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 370-377.	4.0	18
35	Manipulation of Corticosteroid Release from a Transiently Supersaturated Topical Metered Dose Aerosol Using A Residual Miscible Co-Solvent. <i>Pharmaceutical Research</i> , 2008, 25, 2573-2580.	3.5	17
36	Determining Degree of Saturation after Application of Transiently Supersaturated Metered Dose Aerosols for Topical Delivery of Corticosteroids. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 543-554.	3.3	17

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37	Effects of lipid nanocarriers on the performance of topical vehicles <i>in vivo</i> . <i>Journal of Cosmetic Dermatology</i> , 2009, 8, 136-143.	1.6	17
38	Adenosine monophosphate is elevated in the bronchoalveolar lavage fluid of mice with acute respiratory toxicity induced by nanoparticles with high surface hydrophobicity. <i>Nanotoxicology</i> , 2015, 9, 106-115.	3.0	16
39	Effect of Cyclodextrins and pH on the permeation of tetracaine: Supramolecular assemblies and release behavior. <i>International Journal of Pharmaceutics</i> , 2014, 466, 349-358.	5.2	15
40	Lung inflammation does not affect the clearance kinetics of lipid nanocapsules following pulmonary administration. <i>Journal of Controlled Release</i> , 2016, 235, 24-33.	9.9	15
41	Determination of polyvinylpyrrolidone using high-performance liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 621-624.	2.8	14
42	An investigation into the influence of binary drug solutions upon diffusion and partition processes in model membranes. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1615-1623.	2.4	14
43	Ga(III) complexes—The effect of metal coordination on potential systemic absorption after topical exposure. <i>Toxicology Letters</i> , 2011, 202, 155-160.	0.8	14
44	Vinyl polymer-coated lorazepam particles for drug delivery to the airways. <i>International Journal of Pharmaceutics</i> , 2011, 410, 9-16.	5.2	14
45	Spatially Explicit, Regional Scale Simulation of Lake Carbon Fluxes. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1276-1293.	4.9	14
46	Cross-Scale Interactions Dictate Regional Lake Carbon Flux and Productivity Response to Future Climate. <i>Geophysical Research Letters</i> , 2019, 46, 8840-8851.	4.0	13
47	Dynamic in-situ eutectic formation for topical drug delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 1428-1436.	2.4	12
48	Controlling barrier penetration via exothermic iron oxidation. <i>International Journal of Pharmaceutics</i> , 2011, 404, 42-48.	5.2	12
49	A poly(vinyl alcohol) nanoparticle platform for kinetic studies of inhaled particles. <i>Inhalation Toxicology</i> , 2009, 21, 631-640.	1.6	11
50	Tocopheryl acetate disposition in porcine and human skin when administered using lipid nanocarriers. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 762-769.	2.4	11
51	Investigating how the attributes of self-associated drug complexes influence the passive transport of molecules through biological membranes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 102, 214-222.	4.3	11
52	Ion-Pairing with Spermine Targets Theophylline To the Lungs via the Polyamine Transport System. <i>Molecular Pharmaceutics</i> , 2018, 15, 861-870.	4.6	11
53	Quality and use of unlicensed vitamin D preparations in primary care in England: Retrospective review of national prescription data and laboratory analysis. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 1338-1346.	2.4	11
54	Pharmacokinetic Evaluation of Intranasally Administered Vinyl Polymer-Coated Lorazepam Microparticles in Rabbits. <i>AAPS Journal</i> , 2012, 14, 218-224.	4.4	10

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55	Needleless administration of advanced therapies into the skin via the appendages using a hypobaric patch. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2120340119.	7.1	10
56	Soft, adhesive (+) alpha tocopherol phosphate planar bilayers that control oral biofilm growth through a substantive antimicrobial effect. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2307-2316.	3.3	9
57	Integrated, Regional-scale Hydrologic Modeling of Inland Lakes. Journal of the American Water Resources Association, 2018, 54, 1302-1324.	2.4	9
58	Nanomaterials fusing with the skin: Alpha-tocopherol phosphate delivery into the viable epidermis to protect against ultraviolet radiation damage. International Journal of Pharmaceutics, 2021, 594, 120000.	5.2	9
59	Free radical facilitated damage of unguinal keratin. Free Radical Biology and Medicine, 2010, 49, 865-871.	2.9	8
60	Recovering Ga(III) from coordination complexes using pyridine 2,6-dicarboxylic acid chelation ion chromatography. Biomedical Chromatography, 2010, 24, 1015-1022.	1.7	8
61	The application of local hypobaric pressure – A novel means to enhance macromolecule entry into the skin. Journal of Controlled Release, 2016, 226, 66-76.	9.9	8
62	Mucus penetrating properties of soft, distensible lipid nanocapsules. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 139, 76-84.	4.3	8
63	The Topical Delivery of Benzoyl Peroxide Using Elegant Dynamic Hydrofluoroalkane Foams. Journal of Pharmaceutical Sciences, 2010, 99, 1384-1398.	3.3	7
64	Triggered In Situ Drug Supersaturation and Hydrophilic Matrix Self-Assembly. Pharmaceutical Research, 2012, 29, 3434-3442.	3.5	7
65	The influence of self-assembling supramolecular structures on the passive membrane transport of ion-paired molecules. International Journal of Pharmaceutics, 2012, 439, 334-341.	5.2	7
66	Using Salt Counterions to Modify $\beta_2$ -Agonist Behavior <i>in Vivo</i> . Molecular Pharmaceutics, 2016, 13, 3439-3448.	4.6	6
67	Investigating the influence of drug aggregation on the percutaneous penetration rate of tetracaine when applying low doses of the agent topically to the skin. International Journal of Pharmaceutics, 2016, 502, 10-17.	5.2	5
68	Hydrologic Setting Dictates the Sensitivity of Ecosystem Metabolism to Climate Variability in Lakes. Ecosystems, 2022, 25, 1328-1345.	3.4	5
69	Suspension versus solution metered dose inhalers: different products, different particles?. Journal of Drug Delivery Science and Technology, 2011, 21, 319-322.	3.0	4
70	Controlled drug release from lung-targeted nanocarriers via chemically mediated shell permeabilisation. International Journal of Pharmaceutics, 2016, 511, 1033-1041.	5.2	4
71	Using Polar Ion-Pairs to Control Drug Delivery to the Airways of the Lungs. Molecular Pharmaceutics, 2020, 17, 1482-1490.	4.6	4
72	Projected changes of regional lake hydrologic characteristics in response to 21st century climate change. Inland Waters, 2021, 11, 335-350.	2.2	4

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73	Numerical analysis of the strain distribution in skin domes formed upon the application of hypobaric pressure. <i>Skin Research and Technology</i> , 2021, 27, 948-958.	1.6	3
74	Investigating how amine structure influences drug-amine ion-pair formation and uptake via the polyamine transporter in A549 lung cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 168, 53-61.	4.3	3
75	Targeting macrophages and their recruitment in the oral cavity using swellable (+) alpha tocopheryl phosphate nanostructures. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102010.	3.3	2
76	A Cyclodextrinâ€Stabilized Spermineâ€Tagged Drug Triplex that Targets Theophylline to the Lungs Selectively in Respiratory Emergency. <i>Advanced Therapeutics</i> , 2020, 3, 2000153.	3.2	2
77	Eutectic Systems for Penetration Enhancement. , 2015, , 163-173.		2
78	New insights into eutectic cream skin penetration enhancement. <i>International Journal of Pharmaceutics</i> , 2016, 499, 403-411.	5.2	1
79	Modifying theophylline microparticle surfaces via the sequential deposition of poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	5.2	0