

Sarah M Hook

List of Publications by Year in descending order

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104
papers

3,329
citations

147801

31
h-index

175258

52
g-index

106
all docs

106
docs citations

106
times ranked

4313
citing authors

#	ARTICLE	IF	CITATIONS
1	Lower Airway Inflammation in Infants with Cystic Fibrosis Detected by Newborn Screening. <i>Pediatric Pulmonology</i> , 2005, 40, 500-510.	2.0	205
2	Preparation of phytantriol cubosomes by solvent precursor dilution for the delivery of protein vaccines. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 15-22.	4.3	145
3	Bicontinuous cubic liquid crystals as sustained delivery systems for peptides and proteins. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 1133-1144.	5.0	112
4	Comparative study of liposomes, transfersomes, ethosomes and cubosomes for transcutaneous immunisation: characterisation and in vitro skin penetration. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 1560-1569.	2.4	110
5	Liquid Crystalline Systems of Phytantriol and Glycerol Monooleate Containing a Hydrophilic Protein: Characterisation, Swelling and Release Kinetics. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4191-4204.	3.3	107
6	Cubosomes containing the adjuvants imiquimod and monophosphoryl lipid A stimulate robust cellular and humoral immune responses. <i>Journal of Controlled Release</i> , 2013, 165, 16-21.	9.9	98
7	Stabilising cubosomes with Tween 80 as a step towards targeting lipid nanocarriers to the blood-brain barrier. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 148-155.	4.3	84
8	Mannosylated liposomes as antigen delivery vehicles for targeting to dendritic cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 729-737.	2.4	78
9	Recent insights into cutaneous immunization: How to vaccinate via the skin. <i>Vaccine</i> , 2015, 33, 4663-4674.	3.8	78
10	The Role of Topical Growth Factors in Chronic Wounds. <i>Current Drug Delivery</i> , 2007, 4, 195-204.	1.6	71
11	Using different structure types of microemulsions for the preparation of poly(alkylcyanoacrylate) nanoparticles by interfacial polymerization. <i>Journal of Controlled Release</i> , 2005, 106, 76-87.	9.9	70
12	Self-Assembled Geometric Liquid-Crystalline Nanoparticles Imaged in Three Dimensions: Hexosomes Are Not Necessarily Flat Hexagonal Prisms. <i>Langmuir</i> , 2007, 23, 12461-12464.	3.5	70
13	Bystander suppression of allergic airway inflammation by lung resident memory CD8+ T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6116-6121.	7.1	67
14	Microemulsions containing lecithin and sugar-based surfactants: Nanoparticle templates for delivery of proteins and peptides. <i>International Journal of Pharmaceutics</i> , 2008, 350, 351-360.	5.2	67
15	Development and characterisation of modified poloxamer 407 thermoresponsive depot systems containing cubosomes. <i>International Journal of Pharmaceutics</i> , 2011, 408, 20-26.	5.2	66
16	In vivo evaluation of chitosan as an adjuvant in subcutaneous vaccine formulations. <i>Vaccine</i> , 2013, 31, 4812-4819.	3.8	64
17	Activation of the NLRP3 inflammasome is not a feature of all particulate vaccine adjuvants. <i>Immunology and Cell Biology</i> , 2014, 92, 535-542.	2.3	64
18	Is There an Optimal Formulation and Delivery Strategy for Subunit Vaccines?. <i>Pharmaceutical Research</i> , 2016, 33, 2078-2097.	3.5	58

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19	Oral insulin delivery using nanoparticles based on microemulsions with different structure-types: Optimisation and in vivo evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 53-61.	4.0	57
20	Transcutaneous immunization using microneedles and cubosomes: Mechanistic investigations using Optical Coherence Tomography and Two-Photon Microscopy. <i>Journal of Controlled Release</i> , 2013, 172, 894-903.	9.9	57
21	In vitro and in vivo investigation of thermosensitive chitosan hydrogels containing silica nanoparticles for vaccine delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 360-368.	4.0	54
22	On the preparation, microscopic investigation and application of ISCOMs. <i>Micron</i> , 2006, 37, 724-734.	2.2	50
23	Chitosan hydrogels containing liposomes and cubosomes as particulate sustained release vaccine delivery systems. <i>Journal of Liposome Research</i> , 2012, 22, 193-204.	3.3	48
24	Comparison of chitosan nanoparticles and chitosan hydrogels for vaccine delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1591-1600.	2.4	46
25	Are phytosomes a superior nanodelivery system for the antioxidant rutin?. <i>International Journal of Pharmaceutics</i> , 2018, 548, 82-91.	5.2	45
26	Immunostimulatory colloidal delivery systems for cancer vaccines. <i>Expert Opinion on Drug Delivery</i> , 2006, 3, 345-354.	5.0	44
27	Protein delivery using nanoparticles based on microemulsions with different structure-types. <i>European Journal of Pharmaceutical Sciences</i> , 2008, 33, 434-444.	4.0	44
28	Modified thermoresponsive Ploxamer 407 and chitosan sol-gels as potential sustained-release vaccine delivery systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 74-81.	4.3	43
29	In vivo activity of cationic immune stimulating complexes (PLUSCOMs). <i>Vaccine</i> , 2008, 26, 4549-4556.	3.8	39
30	Characterisation of colloidal drug delivery systems from the naked eye to Cryo-FESEM. <i>Micron</i> , 2007, 38, 796-803.	2.2	35
31	Synthetic TRP2 long-peptide and β -galactosylceramide formulated into cationic liposomes elicit CD8 + T-cell responses and prevent tumour progression. <i>Vaccine</i> , 2015, 33, 5838-5844.	3.8	34
32	Microcontainers for protection of oral vaccines, in vitro and in vivo evaluation. <i>Journal of Controlled Release</i> , 2019, 294, 91-101.	9.9	34
33	A lipid based multi-compartmental system: Liposomes-in-double emulsion for oral vaccine delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 15-21.	4.3	33
34	Quil A-lipid powder formulations releasing ISCOMs and related colloidal structures upon hydration. <i>Journal of Controlled Release</i> , 2005, 103, 45-59.	9.9	30
35	Chitosan hydrogel vaccine generates protective CD8 T cell memory against mouse melanoma. <i>Immunology and Cell Biology</i> , 2015, 93, 634-640.	2.3	30
36	Mechanistic Evaluation of Bioorthogonal Decaging with <i>trans</i> -Cyclooctene: The Effect of Fluorine Substituents on Aryl Azide Reactivity and Decaging from the 1,2,3-Triazoline. <i>Bioconjugate Chemistry</i> , 2018, 29, 324-334.	3.6	30

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37	Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation. <i>International Journal of Pharmaceutics</i> , 2018, 550, 35-44.	5.2	30
38	Cationic cage-like complexes formed by DC-cholesterol, Quil-A, and phospholipid. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1794-1807.	3.3	29
39	Activation of an interleukin-4 mRNA-producing population of peripheral blood mononuclear cells after infection with <i>Mycobacterium bovis</i> or vaccination with killed, but not live, BCG. <i>Immunology</i> , 1996, 88, 269-274.	4.4	28
40	Immunogenicity of Liposomes Containing Lipid Core Peptides and the Adjuvant Quil A. <i>Pharmaceutical Research</i> , 2006, 23, 1473-1481.	3.5	28
41	Effect of incorporation of the adjuvant Quil A on structure and immune stimulatory capacity of liposomes. <i>Immunology and Cell Biology</i> , 2004, 82, 547-554.	2.3	27
42	Immunostimulatory biodegradable implants containing the adjuvant Quil-A—Part II: In vivo evaluation. <i>Journal of Drug Targeting</i> , 2008, 16, 224-232.	4.4	27
43	Poloxamer 407-chitosan grafted thermoresponsive hydrogels achieve synchronous and sustained release of antigen and adjuvant from single-shot vaccines. <i>Immunology and Cell Biology</i> , 2018, 96, 656-665.	2.3	27
44	Preproenkephalin is a Th2 cytokine but is not required for Th2 differentiation in vitro. <i>Immunology and Cell Biology</i> , 1999, 77, 385-390.	2.3	25
45	Advances in Lipid-Based Subunit Vaccine Formulations. <i>Current Immunology Reviews</i> , 2009, 5, 42-48.	1.2	23
46	Immuno-stimulating complexes prepared by ethanol injection. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 729-733.	2.4	23
47	Reasons for use and non-use of the pertussis vaccine during pregnancy: an interview study. <i>Journal of Primary Health Care</i> , 2016, 8, 344.	0.6	23
48	Dynamic Visualization of Dendritic Cell-Antigen Interactions in the Skin Following Transcutaneous Immunization. <i>PLoS ONE</i> , 2014, 9, e89503.	2.5	23
49	Colocalization of Mouse Autoimmune Diabetes Loci Idd21.1 and Idd21.2 With IDDM6 (Human) and Iddm3 (Rat). <i>Diabetes</i> , 2005, 54, 2820-2825.	0.6	22
50	Phosphatidyl choline-based colloidal systems for dermal and transdermal drug delivery. <i>Journal of Liposome Research</i> , 2009, 19, 267-277.	3.3	22
51	Cubosomes enhance drug permeability across the blood-brain barrier in zebrafish. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120411.	5.2	22
52	Rotavirus hospitalisation in New Zealand children under 3 years of age. <i>Journal of Paediatrics and Child Health</i> , 2006, 42, 196-203.	0.8	21
53	First in vivo evaluation of particulate nasal dry powder vaccine formulations containing ovalbumin in mice. <i>International Journal of Pharmaceutics</i> , 2015, 479, 408-415.	5.2	21
54	Chitosan gel vaccine protects against tumour growth in an intracaecal mouse model of cancer by modulating systemic immune responses. <i>BMC Immunology</i> , 2016, 17, 39.	2.2	21

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55	Chemical Tools for Studying Lipid-Binding Class A G Protein-Coupled Receptors. <i>Pharmacological Reviews</i> , 2017, 69, 316-353.	16.0	20
56	Immunostimulatory biodegradable implants containing the adjuvant Quil-A—Part I: Physicochemical characterisation. <i>Journal of Drug Targeting</i> , 2008, 16, 213-223.	4.4	19
57	Assessment of transcutaneous vaccine delivery by optical coherence tomography. <i>Laser Physics Letters</i> , 2012, 9, 607-610.	1.4	18
58	Th2-dependent airway eosinophilia is regulated by preproenkephalin. <i>Journal of Neuroimmunology</i> , 2000, 107, 59-65.	2.3	17
59	The synthesis and immune stimulating action of mannose-capped lysine-based dendrimers. <i>Tetrahedron</i> , 2009, 65, 2939-2950.	1.9	17
60	Lipid-encapsulated oral therapeutic peptide vaccines reduce tumour growth in an orthotopic mouse model of colorectal cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 183-192.	4.3	17
61	Cage-like complexes formed by DOTAP, Quil-A and cholesterol. <i>International Journal of Pharmaceutics</i> , 2007, 332, 192-195.	5.2	16
62	Vaccination of Sheep with a Methanogen Protein Provides Insight into Levels of Antibody in Saliva Needed to Target Ruminal Methanogens. <i>PLoS ONE</i> , 2016, 11, e0159861.	2.5	16
63	Alkyl indole-based cannabinoid type 2 receptor tools: Exploration of linker and fluorophore attachment. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 770-789.	5.5	15
64	Preparation of poly (alkylcyanoacrylate) nanoparticles by polymerization of water-free microemulsions. <i>Journal of Microencapsulation</i> , 2006, 23, 499-512.	2.8	14
65	Immunostimulatory lipid implants containing Quil-A and DC-cholesterol. <i>International Journal of Pharmaceutics</i> , 2008, 363, 91-98.	5.2	14
66	Development of selective, fluorescent cannabinoid type 2 receptor ligands based on a 1,8-naphthyridin-2-(1 <i>H</i>)-one-3-carboxamide scaffold. <i>MedChemComm</i> , 2018, 9, 2055-2067.	3.4	14
67	Community pharmacy influenza immunisation increases vaccine uptake and gains public approval. <i>Australian and New Zealand Journal of Public Health</i> , 2013, 37, 489-490.	1.8	13
68	In vivo investigation of twin-screw extruded lipid implants for vaccine delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 338-346.	4.3	13
69	Utilization of Microfluidics for the Preparation of Polymeric Nanoparticles for the Antioxidant Rutin: A Comparison with Bulk Production. <i>Pharmaceutical Nanotechnology</i> , 2019, 7, 469-483.	1.5	13
70	Bacteria biohybrid oral vaccines for colorectal cancer treatment reduce tumor growth and increase immune infiltration. <i>Vaccine</i> , 2021, 39, 5589-5599.	3.8	13
71	Comparison of chitosan nanoparticles and chitosan hydrogels for vaccine delivery. <i>Journal of Pharmacy and Pharmacology</i> , 2008, 60, 1591-1600.	2.4	13
72	Increased adjuvant activity of minimal CD8 T cell peptides incorporated into lipid-core-peptides. <i>Immunology and Cell Biology</i> , 2004, 82, 517-522.	2.3	12

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73	Critical role of preproenkephalin in experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2006, 179, 18-25.	2.3	12
74	Mannosylated saponins based on oleanolic and glycyrrhizic acids. Towards synthetic colloidal antigen delivery systems. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5207-5218.	3.0	12
75	Impact of implant composition of twin-screw extruded lipid implants on the release behavior. <i>International Journal of Pharmaceutics</i> , 2015, 493, 102-110.	5.2	12
76	Twin-screw extruded lipid implants containing TRP2 peptide for tumour therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 79-87.	4.3	12
77	Cloning and Expression of the Cervine Interleukin 4 Gene. <i>Scandinavian Journal of Immunology</i> , 1994, 40, 71-76.	2.7	11
78	Preliminary evaluation of a thermosensitive chitosan hydrogel for <i>Echinococcus granulosus</i> vaccine delivery. <i>Veterinary Parasitology</i> , 2017, 236, 117-120.	1.8	11
79	Alkene-azide 1,3-Dipolar Cycloaddition as a Trigger for Ultrashort Peptide Hydrogel Dissolution. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1143-1150.	3.3	11
80	Absence of preproenkephalin increases the threshold for T cell activation. <i>Journal of Neuroimmunology</i> , 2003, 140, 61-68.	2.3	10
81	Quantitation of the immunological adjuvants, monophosphoryl lipid A and Quil A in poly (lactic-co-glycolic acid) nanoparticles using high performance liquid chromatography with evaporative light scattering detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 975, 45-51.	2.3	10
82	Analysis of Two IL-4 Promoter Polymorphisms in a Cohort of Atopic and Asthmatic Subjects. <i>Experimental and Clinical Immunogenetics</i> , 1999, 16, 33-35.	1.2	9
83	Analysis of Quil A-phospholipid mixtures using drift spectroscopy. <i>International Journal of Pharmaceutics</i> , 2007, 342, 49-61.	5.2	9
84	Improved Antitumor Activity of a Therapeutic Melanoma Vaccine through the Use of the Dual COX-2/5-LO Inhibitor Licofelone. <i>Frontiers in Immunology</i> , 2016, 7, 537.	4.8	9
85	Tuning activation and self-immolative properties of the bioorthogonal alkene-azide click-and-release strategy. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4754-4762.	2.8	9
86	Characterization and evaluation of stabilized particulate formulations as therapeutic oral vaccines for allergy. <i>Journal of Liposome Research</i> , 2018, 28, 296-304.	3.3	8
87	Distribution of fibroblast growth factor-2 (FGF-2) within model excisional wounds following topical application. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 193-200.	2.4	7
88	Synthesis, Formulation, and Adjuvanticity of Monodesmosidic Saponins with Oleanolic Acid, Hederagenin and Gypsogenin Aglycones, and some C-28 Ester Derivatives. <i>ChemistryOpen</i> , 2015, 4, 740-755.	1.9	7
89	Modeling the Kinetics of the Immune Response. <i>SIMA1 Springer Series</i> , 2012, , 267-282.	0.4	7
90	Physicochemical and Biological Characterization of Synthetic Phosphatidylinositol Dimannosides and Analogues. <i>Molecular Pharmaceutics</i> , 2013, 10, 1928-1939.	4.6	6

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91	Stability, Kinetic, and Mechanistic Investigation of 1,8-Self-Immolative Cinnamyl Ether Spacers for Controlled Release of Phenols and Generation of Resonance and Inductively Stabilized Methides. <i>Organic Letters</i> , 2017, 19, 528-531.	4.6	6
92	Liposomal Î±-galactosylceramide is taken up by gut-associated lymphoid tissue and stimulates local and systemic immune responses. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 1724-1735.	2.4	6
93	Liposomes with cyclodextrin channels and polyethyleneimine (PEI) improves cytoplasmic vaccine delivery and induces anti-cancer immune activity in mice. <i>Journal of Liposome Research</i> , 2022, 32, 22-31.	3.3	6
94	Tetrafluoroaryl azide as an N-terminal capping group for click-to-dissolve diphenylalanine hydrogels. <i>RSC Advances</i> , 2020, 10, 9234-9244.	3.6	5
95	<i>Smad2</i> : A Candidate Gene for the Murine Autoimmune Diabetes Locus <i>Idd21.1</i> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, E2072-E2077.	3.6	4
96	Selective quantitation of the incorporation of the immunomodulator Î±-galactosylceramide in liposomes using LC-MS/MS. <i>International Journal of Mass Spectrometry</i> , 2015, 392, 96-101.	1.5	4
97	EGFR-targeted prodrug activation using bioorthogonal alkene-azide click-and-release chemistry. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116361.	3.0	4
98	Vaccine implants: current status and recent advancements. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 601-612.	2.6	3
99	Synthesis and formulation of self-immolative PEG-aryl azide block copolymers and click-release reactivity with trans-cyclooctene. <i>Journal of Polymer Science</i> , 2021, 59, 646-658.	3.8	2
100	Physical Characterization of Synthetic Phosphatidylinositol Dimannosides and Analogues in Binary Systems with Phosphatidylcholine. <i>Molecular Pharmaceutics</i> , 2014, 11, 913-921.	4.6	1
101	Development of a Multi-Compartmental Oral Vaccine Delivery System. <i>Drug Delivery Letters</i> , 2016, 6, 57-62.	0.5	1
102	Hydrogen Sulfide-Responsive Bicontinuous Nanospheres. <i>Biomacromolecules</i> , 2021, 22, 4770-4782.	5.4	1
103	Synthetic lipopeptides formulated in liposomes: effect on their immune stimulatory capacity in vitro. , 2006, , .		0
104	Development of a bioorthogonal fluorescence-based assay for assessing drug uptake and delivery in bacteria. <i>RSC Advances</i> , 2022, 12, 15631-15642.	3.6	0