

Joshua S Boateng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

4,698

citations

29

h-index

68

g-index

85

ext. papers

5,417

ext. citations

5.1

avg, IF

6.16

L-index

#	Paper	IF	Citations
82	Enhancing Stability and Mucoadhesive Properties of Chitosan Nanoparticles by Surface Modification with Sodium Alginate and Polyethylene Glycol for Potential Oral Mucosa Vaccine Delivery.. <i>Marine Drugs</i> , 2022 , 20,	6	5
81	Wound dressings as growth factor delivery platforms for chronic wound healing. <i>Expert Opinion on Drug Delivery</i> , 2021 , 18, 737-759	8	17
80	Medicated multi-targeted alginate-based dressings for potential treatment of mixed bacterial-fungal infections in diabetic foot ulcers. <i>International Journal of Pharmaceutics</i> , 2021 , 606, 120903	6.5	5
79	Bioprinting and Preliminary Testing of Highly Reproducible Novel Bioink for Potential Skin Regeneration. <i>Pharmaceutics</i> , 2020 , 12,	6.4	18
78	Freeze-Dried Wafers for Wound Healing 2020 , 137-155		2
77	The Place of Biomaterials in Wound Healing 2020 , 337-366		17
76	Honey in Wound Healing 2020 , 235-254		2
75	3D Printed Scaffolds for Wound Healing and Tissue Regeneration 2020 , 385-398		4
74	Electrospinning Technologies in Wound Dressing Applications 2020 , 315-336		6
73	Local Delivery of Growth Factors Using Wound Dressings 2020 , 291-314		5
72	Silver and Silver Nanoparticle-Based Antimicrobial Dressings 2020 , 157-184		17
71	Surface Modification of Mobile Composition of Matter (MCM)-41 Type Silica Nanoparticles for Potential Oral Mucosa Vaccine Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2271-2283	3.9	5
70	Physicochemical characteristics and permeation of loratadine solid lipid nanoparticles for transdermal delivery. <i>Therapeutic Delivery</i> , 2020 , 11, 685-700	3.8	4
69	In vitro, ex vivo and in vivo evaluation of taste masked low dose acetylsalicylic acid loaded composite wafers as platforms for buccal administration in geriatric patients with dysphagia. <i>International Journal of Pharmaceutics</i> , 2020 , 589, 119807	6.5	3
68	Formation of stable nanoemulsions by ultrasound-assisted two-step emulsification process for topical drug delivery: Effect of oil phase composition and surfactant concentration and loratadine as ripening inhibitor. <i>International Journal of Pharmaceutics</i> , 2020 , 576, 118952	6.5	38
67	Treatment of Mixed Infections in Wounds 2020 , 91-113		3
66	Hydrogel Dressings 2020 , 185-207		2

65	Glassy state molecular mobility and its relationship to the physico-mechanical properties of plasticized hydroxypropyl methylcellulose (HPMC) films. <i>International Journal of Pharmaceutics: X</i> , 2019 , 1, 100033	3.2	3
64	Comparison and process optimization of PLGA, chitosan and silica nanoparticles for potential oral vaccine delivery. <i>Therapeutic Delivery</i> , 2019 , 10, 493-514	3.8	6
63	Development and evaluation of performance characteristics of timolol-loaded composite ocular films as potential delivery platforms for treatment of glaucoma. <i>International Journal of Pharmaceutics</i> , 2019 , 566, 111-125	6.5	22
62	Evaluation of Clay-Functionalized Wafers and Films for Nicotine Replacement Therapy via Buccal Mucosa. <i>Pharmaceutics</i> , 2019 , 11,	6.4	23
61	3D printed chitosan dressing crosslinked with genipin for potential healing of chronic wounds. <i>International Journal of Pharmaceutics</i> , 2019 , 560, 406-415	6.5	57
60	Oral thin films as a remedy for noncompliance in pediatric and geriatric patients. <i>Therapeutic Delivery</i> , 2019 , 10, 443-464	3.8	11
59	Comparison of in vitro antibacterial activity of streptomycin-diclofenac loaded composite biomaterial dressings with commercial silver based antimicrobial wound dressings. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 191-199	7.9	11
58	Calcium alginate-based antimicrobial film dressings for potential healing of infected foot ulcers. <i>Therapeutic Delivery</i> , 2018 , 9, 185-204	3.8	22
57	3D printed microneedles for insulin skin delivery. <i>International Journal of Pharmaceutics</i> , 2018 , 544, 425-432	6.3	149
56	Effects of Cyclodextrins (β and γ) and L-Arginine on Stability and Functional Properties of Mucoadhesive Buccal Films Loaded with Omeprazole for Pediatric Patients. <i>Polymers</i> , 2018 , 10,	4.5	8
55	Composite Alginate-Hyaluronan Sponges for the Delivery of Tranexamic Acid in Postextractive Alveolar Wounds. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 654-661	3.9	30
54	Ciprofloxacin-loaded calcium alginate wafers prepared by freeze-drying technique for potential healing of chronic diabetic foot ulcers. <i>Drug Delivery and Translational Research</i> , 2018 , 8, 1751-1768	6.2	32
53	A Preliminary Study of Pain Relieving Dressings for Older Adults With Chronic Leg Ulcers From the Provider's Perspective: A Qualitative Study. <i>Journal of Pain and Palliative Care Pharmacotherapy</i> , 2018 , 32, 71-81	0.8	3
52	The Challenges and Knowledge Gaps in Malaria Therapy: A Stakeholder Approach to Improving Oral Quinine Use in the Treatment of Childhood Malaria in Ghana. <i>Journal of Pharmaceutics</i> , 2018 , 2018, 1784645	2.45	1
51	Development and functional characterization of composite freeze dried wafers for potential delivery of low dose aspirin for elderly people with dysphagia. <i>International Journal of Pharmaceutics</i> , 2018 , 553, 65-83	6.5	9
50	Composite Biopolymer-Based Wafer Dressings Loaded with Microbial Biosurfactants for Potential Application in Chronic Wounds. <i>Polymers</i> , 2018 , 10,	4.5	13
49	Advanced multi-targeted composite biomaterial dressing for pain and infection control in chronic leg ulcers. <i>Carbohydrate Polymers</i> , 2017 , 172, 40-48	10.3	39
48	Drug Delivery Innovations to Address Global Health Challenges for Pediatric and Geriatric Populations (Through Improvements in Patient Compliance). <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 3188-3198	3.9	20

47	Nicotine stabilization in composite sodium alginate based wafers and films for nicotine replacement therapy. <i>Carbohydrate Polymers</i> , 2017 , 155, 78-88	10.3	26
46	Systematic comparison of the functional physico-chemical characteristics and biocidal activity of microbial derived biosurfactants on blood-derived and breast cancer cells. <i>Journal of Colloid and Interface Science</i> , 2016 , 479, 221-233	9.3	28
45	Molecular mobility of hydroxyethyl cellulose (HEC) films characterised by thermally stimulated currents (TSC) spectroscopy. <i>International Journal of Pharmaceutics</i> , 2016 , 497, 222-7	6.5	5
44	Functional physico-chemical, ex vivo permeation and cell viability characterization of omeprazole loaded buccal films for paediatric drug delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 500, 217-26	6.5	23
43	Antimicrobial Dressings for Improving Wound Healing 2016 ,		14
42	Development and optimization of ketoconazole oral strips by means of continuous hot-melt extrusion processing. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 890-900	4.8	4
41	Composite HPMC and sodium alginate based buccal formulations for nicotine replacement therapy. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 31-44	7.9	30
40	Composite bi-layered erodible films for potential ocular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 353-361	6	18
39	Conversion of sustained release omeprazole loaded buccal films into fast dissolving strips using supercritical carbon dioxide (scCO ₂) processing, for potential paediatric drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 93, 45-55	5.1	6
38	Development and functional characterization of alginate dressing as potential protein delivery system for wound healing. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 137-50	7.9	55
37	Composite alginate and gelatin based bio-polymeric wafers containing silver sulfadiazine for wound healing. <i>International Journal of Biological Macromolecules</i> , 2015 , 79, 63-71	7.9	89
36	Comparing the Antibacterial and Functional Properties of Cameroonian and Manuka Honeys for Potential Wound Healing-Have We Come Full Cycle in Dealing with Antibiotic Resistance?. <i>Molecules</i> , 2015 , 20, 16068-84	4.8	29
35	Evaluation of in vitro wound adhesion characteristics of composite film and wafer based dressings using texture analysis and FTIR spectroscopy: a chemometrics factor analysis approach. <i>RSC Advances</i> , 2015 , 5, 107064-107075	3.7	13
34	Advanced Therapeutic Dressings for Effective Wound Healing--A Review. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 3653-3680	3.9	441
33	Formulation, characterisation and stabilisation of buccal films for paediatric drug delivery of omeprazole. <i>AAPS PharmSciTech</i> , 2015 , 16, 800-10	3.9	26
32	Polysaccharide Based Formulations for Mucosal Drug Delivery: A Review. <i>Current Pharmaceutical Design</i> , 2015 , 21, 4798-821	3.3	14
31	Development and physico-mechanical characterization of carrageenan and poloxamer-based lyophilized matrix as a potential buccal drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 361-9	3.6	33
30	Preparation and characterization of laminated thiolated chitosan-based freeze-dried wafers for potential buccal delivery of macromolecules. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 611-8	3.6	27

29	A review on the taste masking of bitter APIs: hot-melt extrusion (HME) evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 145-56	3.6	48
28	Chitosan 2014 , 233-254		2
27	Multifunctional medicated lyophilised wafer dressing for effective chronic wound healing. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 1720-33	3.9	58
26	Chitosan-based films for the sustained release of peptides: a new era in buccal delivery?. <i>Therapeutic Delivery</i> , 2014 , 5, 497-500	3.8	7
25	Functional characterisation and permeation studies of lyophilised thiolated chitosan xerogels for buccal delivery of insulin. <i>Protein and Peptide Letters</i> , 2014 , 21, 1163-75	1.9	24
24	The effect of pH and ionic strength of dissolution media on in-vitro release of two model drugs of different solubilities from HPMC matrices. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 111, 384-91	6	49
23	An integrated buccal delivery system combining chitosan films impregnated with peptide loaded PEG-b-PLA nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 9-15	6	76
22	Lyophilized wafers comprising carrageenan and pluronic acid for buccal drug delivery using model soluble and insoluble drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 99-106	6	42
21	Polyox and carrageenan based composite film dressing containing anti-microbial and anti-inflammatory drugs for effective wound healing. <i>International Journal of Pharmaceutics</i> , 2013 , 441, 181-91	6.5	149
20	Preparation, optimisation and characterisation of novel wound healing film dressings loaded with streptomycin and diclofenac. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 102, 102-10	6	105
19	Improving drug loading of mucosal solvent cast films using a combination of hydrophilic polymers with amoxicillin and paracetamol as model drugs. <i>BioMed Research International</i> , 2013 , 2013, 198137	3	21
18	Determination of homocysteine in human saliva by liquid chromatography and electrospray ionization quadrupole time-of-flight mass spectrometry: profiles in healthy adults. <i>Protein and Peptide Letters</i> , 2013 , 20, 1382-9	1.9	2
17	Development and characterisation of chitosan films impregnated with insulin loaded PEG-b-PLA nanoparticles (NPs): a potential approach for buccal delivery of macromolecules. <i>International Journal of Pharmaceutics</i> , 2012 , 428, 143-51	6.5	105
16	Novel films for drug delivery via the buccal mucosa using model soluble and insoluble drugs. <i>Drug Development and Industrial Pharmacy</i> , 2012 , 38, 1207-20	3.6	49
15	Effect of membrane dialysis on characteristics of lyophilised chitosan wafers for potential buccal delivery of proteins. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 905-9	7.9	23
14	In vitro characterisation of chitosan based xerogels for potential buccal delivery of proteins. <i>Carbohydrate Polymers</i> , 2012 , 89, 935-41	10.3	33
13	Taste masking of paracetamol by hot-melt extrusion: an in vitro and in vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 80, 433-42	5.7	112
12	Bioadhesion Properties of Polymeric Films Produced by Hot-Melt Extrusion 2012 , 177-199		

11	Preparation and optimization of PMAA-chitosan-PEG nanoparticles for oral drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 90, 102-8	6	48
10	Development and physico-mechanical characterisation of lyophilised chitosan wafers as potential protein drug delivery systems via the buccal mucosa. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 91, 258-65	6	73
9	Comparison of the in vitro release characteristics of mucosal freeze-dried wafers and solvent-cast films containing an insoluble drug. <i>Drug Development and Industrial Pharmacy</i> , 2012 , 38, 47-54	3.6	26
8	A review of hot-melt extrusion: process technology to pharmaceutical products. <i>ISRN Pharmaceutics</i> , 2012 , 2012, 436763		113
7	Formulation Development of a Carrageenan Based Delivery System for Buccal Drug Delivery Using Ibuprofen as a Model Drug. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011 , 02, 582-595	1	19
6	Development and characterisation of sodium alginate and HPMC films for mucosal drug delivery. <i>International Journal of Biotechnology</i> , 2010 , 11, 169	0	4
5	Characterisation of freeze-dried wafers and solvent evaporated films as potential drug delivery systems to mucosal surfaces. <i>International Journal of Pharmaceutics</i> , 2010 , 389, 24-31	6.5	88
4	A proteomic approach combining MS and bioinformatic analysis for the detection and identification of biomarkers of administration of exogenous human growth hormone in humans. <i>Proteomics - Clinical Applications</i> , 2009 , 3, 912-22	3.1	5
3	In vitro drug release studies of polymeric freeze-dried wafers and solvent-cast films using paracetamol as a model soluble drug. <i>International Journal of Pharmaceutics</i> , 2009 , 378, 66-72	6.5	55
2	Development and mechanical characterization of solvent-cast polymeric films as potential drug delivery systems to mucosal surfaces. <i>Drug Development and Industrial Pharmacy</i> , 2009 , 35, 986-96	3.6	76
1	Wound healing dressings and drug delivery systems: a review. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 2892-923	3.9	1792