

Joshua S Boateng

List of Publications by Year in descending order

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74
papers

6,225
citations

109311

35
h-index

79691

73
g-index

85
all docs

85
docs citations

85
times ranked

7877
citing authors

#	ARTICLE	IF	CITATIONS
1	Wound Healing Dressings and Drug Delivery Systems: A Review. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2892-2923.	3.3	2,194
2	Advanced Therapeutic Dressings for Effective Wound Healing—A Review. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3653-3680.	3.3	607
3	3D printed microneedles for insulin skin delivery. <i>International Journal of Pharmaceutics</i> , 2018, 544, 425-432.	5.2	233
4	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, 181-191.	5.2	180
5	A Review of Hot-Melt Extrusion: Process Technology to Pharmaceutical Products. <i>ISRN Pharmaceutics</i> , 2012, 2012, 1-9.	1.0	149
6	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, 433-442.	4.3	134
7	Preparation, optimisation and characterisation of novel wound healing film dressings loaded with streptomycin and diclofenac. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 102-110.	5.0	123
8	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, 143-151.	5.2	122
9	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.	7.5	109
10	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.	5.2	104
11	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.	5.0	96
12	3D printed chitosan dressing crosslinked with genipin for potential healing of chronic wounds. <i>International Journal of Pharmaceutics</i> , 2019, 560, 406-415.	5.2	93
13	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, 258-265.	5.0	88
14	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, 986-996.	2.0	85
15	Multifunctional Medicated Lyophilised Wafer Dressing for Effective Chronic Wound Healing. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1720-1733.	3.3	72
16	Development and functional characterization of alginate dressing as potential protein delivery system for wound healing. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 137-150.	7.5	72
17	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.	5.2	64
18	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, 384-391.	5.0	60

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19	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.	5.8	59
20	Novel films for drug delivery via the buccal mucosa using model soluble and insoluble drugs. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 1207-1220.	2.0	57
21	A review on the taste masking of bitter APIs: hot-melt extrusion (HME) evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 145-156.	2.0	57
22	Preparation and optimization of PMAA- α -chitosan-PEG nanoparticles for oral drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 90, 102-108.	5.0	56
23	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.	5.2	53
24	Composite Alginate-Hyaluronan Sponges for the Delivery of Tranexamic Acid in Postextractive Alveolar Wounds. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 654-661.	3.3	51
25	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, 16068-16084.	3.8	50
26	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.	5.2	50
27	Advanced multi-targeted composite biomaterial dressing for pain and infection control in chronic leg ulcers. <i>Carbohydrate Polymers</i> , 2017, 172, 40-48.	10.2	49
28	Formulation, Characterisation and Stabilisation of Buccal Films for Paediatric Drug Delivery of Omeprazole. <i>AAPS PharmSciTech</i> , 2015, 16, 800-810.	3.3	48
29	Bioprinting and Preliminary Testing of Highly Reproducible Novel Bioink for Potential Skin Regeneration. <i>Pharmaceutics</i> , 2020, 12, 550.	4.5	46
30	Wound dressings as growth factor delivery platforms for chronic wound healing. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 737-759.	5.0	45
31	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.	5.0	44
32	Composite HPMC and sodium alginate based buccal formulations for nicotine replacement therapy. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 31-44.	7.5	42
33	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, 361-369.	2.0	41
34	Calcium alginate-based antimicrobial film dressings for potential healing of infected foot ulcers. <i>Therapeutic Delivery</i> , 2018, 9, 185-204.	2.2	41
35	In vitro characterisation of chitosan based xerogels for potential buccal delivery of proteins. <i>Carbohydrate Polymers</i> , 2012, 89, 935-941.	10.2	40
36	Evaluation of Clay-Functionalized Wafers and Films for Nicotine Replacement Therapy via Buccal Mucosa. <i>Pharmaceutics</i> , 2019, 11, 104.	4.5	36

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37	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, 611-618.	2.0	34
38	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.	9.4	34
39	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, 217-226.	5.2	33
40	Nicotine stabilization in composite sodium alginate based wafers and films for nicotine replacement therapy. <i>Carbohydrate Polymers</i> , 2017, 155, 78-88.	10.2	33
41	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, 156.	4.6	33
42	Functional Characterisation and Permeation Studies of Lyophilised Thiolated Chitosan Xerogels for Buccal Delivery of Insulin. <i>Protein and Peptide Letters</i> , 2014, 21, 1163-1175.	0.9	31
43	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, 905-909.	7.5	29
44	Comparison of the <i>in vitro</i> 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.	2.0	28
45	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.	3.3	28
46	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.	0.5	27
47	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, 1-8.	1.9	25
48	Antimicrobial Dressings for Improving Wound Healing. , 0, , .		25
49	Composite bi-layered erodible films for potential ocular drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 353-361.	5.0	24
50	Composite Biopolymer-Based Wafer Dressings Loaded with Microbial Biosurfactants for Potential Application in Chronic Wounds. <i>Polymers</i> , 2018, 10, 918.	4.5	22
51	Oral thin films as a remedy for noncompliance in pediatric and geriatric patients. <i>Therapeutic Delivery</i> , 2019, 10, 443-464.	2.2	19
52	The Effects of Enteral Nutrition in Critically Ill Patients with COVID-19: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2022, 14, 1120.	4.1	19
53	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.	5.2	18
54	Polysaccharide Based Formulations for Mucosal Drug Delivery: A Review. <i>Current Pharmaceutical Design</i> , 2015, 21, 4798-4821.	1.9	18

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55	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.	7.5	17
56	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.	5.2	17
57	Development of 3D printed drug-eluting contact lenses. <i>Journal of Pharmacy and Pharmacology</i> , 2022, 74, 1467-1476.	2.4	17
58	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.	5.2	16
59	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.	3.6	14
60	Comparison and process optimization of PLGA, chitosan and silica nanoparticles for potential oral vaccine delivery. <i>Therapeutic Delivery</i> , 2019, 10, 493-514.	2.2	14
61	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.	3.3	14
62	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, 157.	4.5	12
63	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, 912-922.	1.6	8
64	Chitosan-based films for the sustained release of peptides: a new era in buccal delivery?. <i>Therapeutic Delivery</i> , 2014, 5, 497-500.	2.2	8
65	Molecular mobility of hydroxyethyl cellulose (HEC) films characterised by thermally stimulated currents (TSC) spectroscopy. <i>International Journal of Pharmaceutics</i> , 2016, 497, 222-227.	5.2	8
66	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.	4.0	7
67	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	7
68	Development and characterisation of sodium alginate and HPMC films for mucosal drug delivery. <i>International Journal of Biotechnology</i> , 2010, 11, 169.	1.2	6
69	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.	1.6	6
70	Composite Fish Collagen-Hyaluronate Based Lyophilized Scaffolds Modified with Sodium Alginate for Potential Treatment of Chronic Wounds. <i>Polymers</i> , 2022, 14, 1550.	4.5	6
71	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.	2.4	5
72	Physicochemical characteristics and <i>in vitro</i> permeation of loratadine solid lipid nanoparticles for transdermal delivery. <i>Therapeutic Delivery</i> , 2020, 11, 685-700.	2.2	5

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73	Determination of Homocysteine in Human Saliva by Liquid Chromatography and Electrospray Ionization Quadrupole Time-of-flight Mass Spectrometry: Profiles in Healthy Adults. Protein and Peptide Letters, 2013, 20, 1382-1389.	0.9	3
74	The Challenges and Knowledge Gaps in Malaria Therapy: A Stakeholder Approach to Improving Oral Quinine Use in the Treatment of Childhood Malaria in Ghana. Journal of Pharmaceutics, 2018, 2018, 1-12.	4.7	2