Samiullah Khan

List of Publications by Year
in descending order

39 papers	1,342 citations	430874 18 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	1536 citing authors

#	Article	IF	Citations
1	Effect of degree of cross-linking on swelling and on drug release of low viscous chitosan/poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	179
2	The Gut Microbiota of Laying Hens and Its Manipulation with Prebiotics and Probiotics To Enhance Gut Health and Food Safety. Applied and Environmental Microbiology, 2020, 86, .	3.1	149
3	Synthesis and Characterization of Chemically Cross-Linked Acrylic Acid/Gelatin Hydrogels: Effect of pH and Composition on Swelling and Drug Release. International Journal of Polymer Science, 2015, 2015, 1-15.	2.7	141
4	Insight into hydrogels. Designed Monomers and Polymers, 2016, 19, 456-478.	1.6	78
5	Salmonella Typhimurium infection disrupts but continuous feeding of Bacillus based probiotic restores gut microbiota in infected hens. Journal of Animal Science and Biotechnology, 2020, 11, 29.	5.3	68
6	Gelatin/carboxymethyl cellulose based stimuli-responsive hydrogels for controlled delivery of 5-fluorouracil, development, in vitro characterization, in vivo safety and bioavailability evaluation. Carbohydrate Polymers, 2021, 257, 117617.	10.2	58
7	Natural and synthetic polymer-based smart biomaterials for management of ulcerative colitis: a review of recent developments and future prospects. Drug Delivery and Translational Research, 2019, 9, 595-614.	5.8	55
8	Self-assembled supramolecular thermoreversible Î²-cyclodextrin/ethylene glycol injectable hydrogels with difunctional Pluronic^{Â®}127 as controlled delivery depot of curcumin. Development, characterization and in vitro evaluation. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1-34.	3.5	50
9	Evaluation of microneedles-assisted in situ depot forming poloxamer gels for sustained transdermal drug delivery. Drug Delivery and Translational Research, 2019, 9, 764-782.	5.8	47
10	pH/Thermo-Dual Responsive Tunable In Situ Cross-Linkable Depot Injectable Hydrogels Based on Poly(N-Isopropylacrylamide)/Carboxymethyl Chitosan with Potential of Controlled Localized and Systemic Drug Delivery. AAPS PharmSciTech, 2019, 20, 119.	3.3	42
11	Porous and highly responsive cross-linked Î²-cyclodextrin based nanomatrices for improvement in drug dissolution and absorption. Life Sciences, 2021, 267, 118931.	4.3	42
12	The structural, morphological and thermal properties of grafted pH-sensitive interpenetrating highly porous polymeric composites of sodium alginate/acrylic acid copolymers for controlled delivery of diclofenac potassium. Designed Monomers and Polymers, 2017, 20, 308-324.	1.6	36
13	Biocompatible hydrogels for the controlled delivery of anti-hypertensive agent: development, characterization and in vitro evaluation. Designed Monomers and Polymers, 2018, 21, 18-32.	1.6	36
14	Highly Porous pH-Responsive Carboxymethyl Chitosan-Grafted-Poly (Acrylic Acid) Based Smart Hydrogels for 5-Fluorouracil Controlled Delivery and Colon Targeting. International Journal of Polymer Science, 2019, 2019, 1-15.	2.7	36
15	pH responsive cross-linked polymeric matrices based on natural polymers: effect of process variables on swelling characterization and drug delivery properties. BioImpacts, 2017, 7, 177-192.	1.5	32
16	RNA-sequencing analysis of shell gland shows differences in gene expression profile at two time-points of eggshell formation in laying chickens. BMC Genomics, 2019, 20, 89.	2.8	29
17	Enhanced gastric retention and drug release via development of novel floating microspheres based on Eudragit E100 and polycaprolactone: synthesis and inÂvitro evaluation. Designed Monomers and Polymers, 2017, 20, 419-433.	1.6	24
18	Reference gene selection for gene expression study in shell gland and spleen of laying hens challenged with infectious bronchitis virus. Scientific Reports, 2017, 7, 14271.	3.3	22

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19	Short-term feeding of probiotics and synbiotics modulates caecal microbiota during Salmonella Typhimurium infection but does not reduce shedding and invasion in chickens. Applied Microbiology and Biotechnology, 2020, 104, 319-334.	3.6	20
20	Fabrication of polyethylene glycol hydrogels with enhanced swelling; loading capacity and release kinetics. Polymer Bulletin, 2022, 79, 5389-5415.	3.3	18
21	The Effect of Sanitizers on Microbial Levels of Chicken Meat Collected from Commercial Processing Plants. International Journal of Environmental Research and Public Health, 2019, 16, 4807.	2.6	17
22	Transcriptome profiling analysis of caeca in chicks challenged with Salmonella Typhimurium reveals differential expression of genes involved in host mucosal immune response. Applied Microbiology and Biotechnology, 2020, 104, 9327-9342.	3.6	16
23	Microbial quality, safety and storage of eggs. Current Opinion in Food Science, 2021, 38, 91-95.	8.0	16
24	Understanding the effects of intramuscular injection and feed withdrawal on Salmonella Typhimurium shedding and gut microbiota in pullets. Journal of Animal Science and Biotechnology, 2021, 12, 78.	5.3	16
25	Salmonella Hessarek: An emerging food borne pathogen and its role in egg safety. Food Control, 2021, 125, 107996.	5.5	16
26	Development of PMAxxTM-Based qPCR for the Quantification of Viable and Non-viable Load of Salmonella From Poultry Environment. Frontiers in Microbiology, 2020, 11, 581201.	3.5	12
27	Novel polymeric composites based on carboxymethyl chitosan and poly(acrylic acid): in vitro and in vivo evaluation. Journal of Materials Science: Materials in Medicine, 2017, 28, 147.	3.6	11
28	A difunctional Pluronic^{Â®}127-basedin situformed injectable thermogels as prolonged and controlled curcumin depot, fabrication,inÂvitrocharacterization andinÂvivosafety evaluation. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 281-319.	3.5	9
29	Fabrication, rheological analysis, and in vitro characterization of in situ chemically crossâ€linkable thermogels as controlled and prolonged drug depot for localized and systemic delivery. Polymers for Advanced Technologies, 2019, 30, 755-771.	3.2	8
30	Transcriptomic response of Campylobacter jejuni following exposure to acidified sodium chlorite. Npj Science of Food, 2021, 5, 23.	5.5	8
31	Functional enrichment of gut microbiome by early supplementation of Bacillus based probiotic in cage free hens: a field study. Animal Microbiome, 2021, 3, 50.	3.8	7
32	Refrigeration of eggs influences the virulence of Salmonella Typhimurium. Scientific Reports, 2021, 11, 18026.	3.3	6
33	Genes involved in mitochondrial biogenesis and function may not show synchronised responses to mitochondria in shell gland of laying chickens under infectious bronchitis virus challenge. BMC Molecular and Cell Biology, 2019, 20, 3.	2.0	5
34	Regulation of Immunity-Related Genes by Infectious Bronchitis Virus Challenge in Spleen of Laying Chickens. Viral Immunology, 2020, 33, 413-420.	1.3	5
35	Acidification and extended storage at room temperature of mayonnaise reduce Salmonella Typhimurium virulence and viability. Food Research International, 2021, 141, 110117.	6.2	5
36	Design, Formulation and In-Vitro Evaluation of Sustained Release Tablet Formulations of Levosulpiride. Turkish Journal of Pharmaceutical Sciences, 2018, 15, 309-318.	1.4	4

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37	The Structural, Crystallinity and Thermal Properties of pH responsive Interpenetrating Gelatin/Sodium Alginate Based Polymeric Composites for the Controlled Delivery of Cetirizine HCl. Turkish Journal of Pharmaceutical Sciences, 2018, 15, 63-76.	1.4	4
38	Spray and Aerosolised pH-Neutral Electrochemically Activated Solution Reduces Salmonella Enteritidis and Total Bacterial Load on Egg Surface. Applied Sciences (Switzerland), 2021, 11, 732.	2.5	2
39	Sodium alginate/N-(Vinylcaprolactam) based supramolecular self-assembled subcutaneously administered in situ formed gels depot of 5-fluorouracil: Rheological analysis, in vitro cytotoxic potential, in vivo bioavailability and safety evaluation. International Journal of Biological Macromolecules, 2022, 211, 425-440.	7.5	2