

Graham Christie

List of Publications by Year in descending order

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46
papers

1,124
citations

471509

17
h-index

434195

31
g-index

46
all docs

46
docs citations

46
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric Materials for Energy Harvesting and Sensing Applications: Roadmap for Future Smart Materials. <i>Advanced Science</i> , 2021, 8, e2100864.	11.2	259
2	Bacillus spore germination: Knowns, unknowns and what we need to learn. <i>Cellular Signalling</i> , 2020, 74, 109729.	3.6	68
3	The role of clinoptilolite in organo-zeolitic-soil systems used for phytoremediation. <i>Science of the Total Environment</i> , 2006, 363, 1-10.	8.0	66
4	Role of Chromosomal and Plasmid-Borne Receptor Homologues in the Response of <i>Bacillus megaterium</i> QM B1551 Spores to Germinants. <i>Journal of Bacteriology</i> , 2007, 189, 4375-4383.	2.2	50
5	DNA Nanostructures for Targeted Antimicrobial Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12698-12702.	13.8	48
6	Activity and Regulation of Various Forms of CwlJ, SleB, and YpeB Proteins in Degrading Cortex Peptidoglycan of Spores of <i>Bacillus</i> Species In Vitro and during Spore Germination. <i>Journal of Bacteriology</i> , 2013, 195, 2530-2540.	2.2	47
7	Divalent metal ion-sensitive holographic sensors. <i>Analytica Chimica Acta</i> , 2005, 528, 219-228.	5.4	44
8	Key ingredients and recycling strategy of personal protective equipment (PPE): Towards sustainable solution for the COVID-19 like pandemics. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106284.	6.7	44
9	Identification of a Receptor Subunit and Putative Ligand-Binding Residues Involved in the <i>Bacillus megaterium</i> QM B1551 Spore Germination Response to Glucose. <i>Journal of Bacteriology</i> , 2010, 192, 4317-4326.	2.2	32
10	Functional Consequences of Amino Acid Substitutions to GerVB, a Component of the <i>Bacillus megaterium</i> Spore Germinant Receptor. <i>Journal of Bacteriology</i> , 2008, 190, 2014-2022.	2.2	30
11	Zinc associated nanomaterials and their intervention in emerging respiratory viruses: Journey to the field of biomedicine and biomaterials. <i>Coordination Chemistry Reviews</i> , 2022, 457, 214402.	18.8	28
12	Identification of New Proteins That Modulate the Germination of Spores of <i>Bacillus</i> Species. <i>Journal of Bacteriology</i> , 2013, 195, 3009-3021.	2.2	27
13	Genomic variations leading to alterations in cell morphology of <i>Campylobacter</i> spp. <i>Scientific Reports</i> , 2016, 6, 38303.	3.3	25
14	Investigating the Functional Hierarchy of <i>Bacillus megaterium</i> PV361 Spore Germinant Receptors. <i>Journal of Bacteriology</i> , 2013, 195, 3045-3053.	2.2	23
15	What's new and notable in bacterial spore killing!. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 144.	3.6	22
16	Mutational Analysis of <i>Bacillus megaterium</i> QM B1551 Cortex-Lytic Enzymes. <i>Journal of Bacteriology</i> , 2010, 192, 5378-5389.	2.2	21
17	Amino Acid Substitutions in Transmembrane Domains 9 and 10 of GerVB That Affect the Germination Properties of <i>Bacillus megaterium</i> Spores. <i>Journal of Bacteriology</i> , 2008, 190, 8009-8017.	2.2	19
18	Effects of culture conditions on the size, morphology and wet density of spores of <i>Bacillus cereus</i> 569 and <i>Bacillus megaterium</i> QM B1551. <i>Letters in Applied Microbiology</i> , 2017, 65, 50-56.	2.2	18

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19	Recombinant expression of insoluble enzymes in <i>Escherichia coli</i> : a systematic review of experimental design and its manufacturing implications. <i>Microbial Cell Factories</i> , 2021, 20, 208.	4.0	17
20	Proteins Encoded by the <i>gerP</i> Operon Are Localized to the Inner Coat in <i>Bacillus cereus</i> Spores and Are Dependent on GerPA and SafA for Assembly. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	15
21	DNA Nanostructures for Targeted Antimicrobial Delivery. <i>Angewandte Chemie</i> , 2020, 132, 12798-12802.	2.0	15
22	The Exosporium of <i>Bacillus megaterium</i> QM B1551 Is Permeable to the Red Fluorescence Protein of the Coral <i>Discosoma</i> sp.. <i>Frontiers in Microbiology</i> , 2016, 7, 1752.	3.5	14
23	Ellipsoid Localization Microscopy Infers the Size and Order of Protein Layers in <i>Bacillus</i> Spore Coats. <i>Biophysical Journal</i> , 2015, 109, 2058-2066.	0.5	13
24	Bacterial Spore mRNA “What’s Up With That?”. <i>Frontiers in Microbiology</i> , 2020, 11, 596092.	3.5	13
25	Spore Germination Mediated by <i>Bacillus megaterium</i> QM B1551 SleL and YpeB. <i>Journal of Bacteriology</i> , 2014, 196, 1045-1054.	2.2	12
26	Structural and functional analysis of SleL, a peptidoglycan lysin involved in germination of <i>Bacillus</i> spores. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1787-1799.	2.6	12
27	Identification and initial characterisation of a protein involved in <i>Campylobacter jejuni</i> cell shape. <i>Microbial Pathogenesis</i> , 2017, 104, 202-211.	2.9	12
28	Thrombolytic Enzymes of Microbial Origin: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10468.	4.1	12
29	Plasmid-encoded genes influence exosporium assembly and morphology in <i>Bacillus megaterium</i> QM B1551 spores. <i>FEMS Microbiology Letters</i> , 2015, 362, fnv147.	1.8	11
30	Tuning riboflavin derivatives for photodynamic inactivation of pathogens. <i>Scientific Reports</i> , 2022, 12, 6580.	3.3	11
31	Novel salts of dipicolinic acid as viscosity modifiers for high concentration antibody solutions. <i>International Journal of Pharmaceutics</i> , 2018, 548, 682-688.	5.2	10
32	SpoVT: From Fine-Tuning Regulator in <i>Bacillus subtilis</i> to Essential Sporulation Protein in <i>Bacillus cereus</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1607.	3.5	9
33	Orthologues of <i>Bacillus subtilis</i> Spore Crust Proteins Have a Structural Role in the <i>Bacillus megaterium</i> QM B1551 Spore Exosporium. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	9
34	Assessing the Impact of Germination and Sporulation Conditions on the Adhesion of <i>Bacillus</i> Spores to Glass and Stainless Steel by Fluid Dynamic Gauging. <i>Journal of Food Science</i> , 2017, 82, 2614-2625.	3.1	8
35	Biochemical and mutational analysis of spore cortex-lytic enzymes in the food spoiler <i>Bacillus licheniformis</i> . <i>Food Microbiology</i> , 2019, 84, 103259.	4.2	8
36	Crystal structure of the PepSY-containing domain of the YpeB protein involved in germination of <i>Bacillus</i> spores. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1914-1921.	2.6	7

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37	The crystal structure of <i>Clostridium perfringens</i> SleM, a muramidase involved in cortical hydrolysis during spore germination. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1681-1689.	2.6	7
38	Structure–function analysis of the <i>Bacillus megaterium</i> GerUD spore germinant receptor protein. <i>FEMS Microbiology Letters</i> , 2015, 362, fmv210.	1.8	5
39	Characterization of Heterogeneity and Dynamics of Lysis of Single <i>Bacillus subtilis</i> Cells upon Prophage Induction During Spore Germination, Outgrowth, and Vegetative Growth Using Raman Tweezers and Live-Cell Phase-Contrast Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 1443-1450.	6.5	5
40	Phenotypic whole-cell screening identifies a protective carbohydrate epitope on <i>Klebsiella pneumoniae</i> . <i>MABs</i> , 2022, 14, 2006123.	5.2	5
41	BMQ_0737 encodes a novel protein crucial to the integrity of the outermost layers of <i>Bacillus megaterium</i> QM B1551 spores. <i>FEMS Microbiology Letters</i> , 2014, 358, 162-169.	1.8	4
42	The GerW Protein Is Not Involved in the Germination of Spores of <i>Bacillus</i> Species. <i>PLoS ONE</i> , 2015, 10, e0119125.	2.5	4
43	Dipicolinic acid as a novel spore-inspired excipient for antibody formulation. <i>International Journal of Pharmaceutics</i> , 2017, 526, 332-338.	5.2	4
44	Paramagnetism in <i>Bacillus</i> spores: Opportunities for novel biotechnological applications. <i>Biotechnology and Bioengineering</i> , 2018, 115, 955-964.	3.3	4
45	A system for the expression and release of heterologous proteins from the core of <i>Bacillus subtilis</i> spores. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	4
46	Novel cortex lytic enzymes in <i>Bacillus megaterium</i> QM B1551 spores. <i>FEMS Microbiology Letters</i> , 2019, 366, .	1.8	3