

J Scott Vaneppeps

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

2,042
citations

706676

14
h-index

563245

28
g-index

41
all docs

41
docs citations

41
times ranked

5292
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiphysics Modeling of Electromagnetic Signaling Phenomena at kHz-GHz Frequencies in Bacterial Biofilms. IEEE Access, 2022, , 1-1.	2.6	3
2	Experimental Evidence of Radio Frequency Radiation From <i>Staphylococcus aureus</i> Biofilms. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 420-428.	2.3	2
3	Unifying structural descriptors for biological and bioinspired nanoscale complexes. Nature Computational Science, 2022, 2, 243-252.	3.8	23
4	Rheology of <i>Candida albicans</i> fungal biofilms. Journal of Rheology, 2022, 66, 683-697.	1.3	4
5	Improved diagnostic prediction of the pathogenicity of bloodstream isolates of <i>Staphylococcus epidermidis</i> . PLoS ONE, 2021, 16, e0241457.	1.1	6
6	A novel swine model of the acute respiratory distress syndrome using clinically relevant injury exposures. Physiological Reports, 2021, 9, e14871.	0.7	7
7	<i>Staphylococcus epidermidis</i> Has Growth Phase Dependent Affinity for Fibrinogen and Resulting Fibrin Clot Elasticity. Frontiers in Microbiology, 2021, 12, 649534.	1.5	4
8	Dosage-Dependent Antimicrobial Activity of DNA-Histone Microwebs Against <i>Staphylococcus Aureus</i> . Advanced Materials Interfaces, 2021, 8, 2100717.	1.9	4
9	Lysis and direct detection of coliforms on printed paper-based microfluidic devices. Lab on A Chip, 2020, 20, 4413-4419.	3.1	17
10	Differential Effects of Heated Perfusate on Morphology, Viability, and Dissemination of <i>Staphylococcus epidermidis</i> Biofilms. Applied and Environmental Microbiology, 2020, 86, .	1.4	5
11	Plasmonic nanoparticles assemblies templated by helical bacteria and resulting optical activity. Chirality, 2020, 32, 899-906.	1.3	5
12	A comprehensive assessment of multi-system responses to a renal inoculation of uropathogenic <i>E. coli</i> in swine. PLoS ONE, 2020, 15, e0243577.	1.1	4
13	Title is missing!. , 2020, 15, e0243577.		0
14	Title is missing!. , 2020, 15, e0243577.		0
15	Title is missing!. , 2020, 15, e0243577.		0
16	Title is missing!. , 2020, 15, e0243577.		0
17	Title is missing!. , 2020, 15, e0243577.		0
18	Title is missing!. , 2020, 15, e0243577.		0

#	ARTICLE	IF	CITATIONS
19	Antimicrobial Microwebs of DNA-Histone Inspired from Neutrophil Extracellular Traps. <i>Advanced Materials</i> , 2019, 31, e1807436.	11.1	30
20	Anti-Biofilm Activity of Graphene Quantum Dots via Self-Assembly with Bacterial Amyloid Proteins. <i>ACS Nano</i> , 2019, 13, 4278-4289.	7.3	77
21	Culture-free bacterial detection and identification from blood with rapid, phenotypic, antibiotic susceptibility testing. <i>Scientific Reports</i> , 2018, 8, 3416.	1.6	26
22	Unexpected insights into antibacterial activity of zinc oxide nanoparticles against methicillin resistant <i>Staphylococcus aureus</i> (MRSA). <i>Nanoscale</i> , 2018, 10, 4927-4939.	2.8	200
23	Antibacterial Metal Oxide Nanoparticles: Challenges in Interpreting the Literature. <i>Current Pharmaceutical Design</i> , 2018, 24, 896-903.	0.9	83
24	Effect of Antimicrobial and Physical Treatments on Growth of Multispecies Staphylococcal Biofilms. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	26
25	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017, 11, 2313-2381.	7.3	976
26	Structure, Mechanics, and Instability of Fibrin Clot Infected with <i>Staphylococcus epidermidis</i> . <i>Biophysical Journal</i> , 2017, 113, 2100-2109.	0.2	14
27	Abstract 356: Adhesion of <i>Staphylococcus epidermidis</i> to Fibrinogen Alters Clot Formation Kinetics and Ultimate Stiffness. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, .	1.1	0
28	Hemodialysis Catheter Heat Transfer for Biofilm Prevention and Treatment. <i>ASAIO Journal</i> , 2016, 62, 92-99.	0.9	16
29	Implantable Device-Related Infection. <i>Shock</i> , 2016, 46, 597-608.	1.0	207
30	Zinc oxide nanoparticle suspensions and layer-by-layer coatings inhibit staphylococcal growth. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 33-42.	1.7	54
31	Shape-Dependent Biomimetic Inhibition of Enzyme by Nanoparticles and Their Antibacterial Activity. <i>ACS Nano</i> , 2015, 9, 9097-9105.	7.3	192
32	Early Career Academic Productivity Among Emergency Physicians With R01 Grant Funding. <i>Academic Emergency Medicine</i> , 2011, 18, 759-762.	0.8	7
33	Effects of Cyclic Flexure on Endothelial Permeability and Apoptosis in Arterial Segments Perfused Ex Vivo. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 101005.	0.6	8
34	Design and validation of a system to simulate coronary flexure dynamics on arterial segments perfused ex vivo. <i>Biomechanics and Modeling in Mechanobiology</i> , 2009, 8, 57-66.	1.4	3
35	Mechanopathobiology of Atherogenesis: A Review. <i>Journal of Surgical Research</i> , 2007, 142, 202-217.	0.8	37
36	Calculation of a Shear Strain Parameter for a Three-Dimensional Fung-Type Exponential Model of the Arterial Wall Under Torsion. , 2007, , .		0