

Kevin S Akers

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,397
citations

279798

23
h-index

345221

36
g-index

50
all docs

50
docs citations

50
times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm formation by clinical isolates and the implications in chronic infections. BMC Infectious Diseases, 2013, 13, 47.	2.9	266
2	<scp>d</scp> -Amino Acids Enhance the Activity of Antimicrobials against Biofilms of Clinical Wound Isolates of Staphylococcus aureus and Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2014, 58, 4353-4361.	3.2	93
3	Biofilms and persistent wound infections in United States military trauma patients: a caseâ€“control analysis. BMC Infectious Diseases, 2014, 14, 190.	2.9	79
4	Aminoglycoside Resistance and Susceptibility Testing Errors in <i>Acinetobacter baumannii-calcoaceticus</i> Complex. Journal of Clinical Microbiology, 2010, 48, 1132-1138.	3.9	70
5	Effects of local delivery of d-amino acids from biofilm-dispersive scaffolds on infection in contaminated rat segmental defects. Biomaterials, 2013, 34, 7533-7543.	11.4	68
6	Human plasma enhances the expression of Staphylococcal microbial surface components recognizing adhesive matrix molecules promoting biofilm formation and increases antimicrobial tolerance In Vitro. BMC Research Notes, 2014, 7, 457.	1.4	57
7	In Vitro Toxicity and Activity of Dakin's Solution, Mafenide Acetate, and Amphotericin B on Filamentous Fungi and Human Cells. Journal of Orthopaedic Trauma, 2013, 27, 428-436.	1.4	50
8	Time-Dependent Effectiveness of Locally Applied Vancomycin Powder in a Contaminated Traumatic Orthopaedic Wound Model. Journal of Orthopaedic Trauma, 2016, 30, 531-537.	1.4	50
9	Modified Augmented Renal Clearance score predicts rapid piperacillin and tazobactam clearance in critically ill surgery and trauma patients. Journal of Trauma and Acute Care Surgery, 2014, 77, S163-S170.	2.1	45
10	Tetracycline Susceptibility Testing and Resistance Genes in Isolates of Acinetobacter baumannii - Acinetobacter calcoaceticus Complex from a U.S. Military Hospital. Antimicrobial Agents and Chemotherapy, 2009, 53, 2693-2695.	3.2	43
11	Serum Vancomycin Levels Resulting From Continuous or Intermittent Infusion in Critically Ill Burn Patients With or Without Continuous Renal Replacement Therapy. Journal of Burn Care and Research, 2012, 33, e254-e262.	0.4	38
12	Clinical infectious outcomes associated with biofilm-related bacterial infections: a retrospective chart review. BMC Infectious Diseases, 2015, 15, 223.	2.9	38
13	A 12-Year Analysis of Nonbattle Injury Among US Service Members Deployed to Iraq and Afghanistan. JAMA Surgery, 2018, 153, 800.	4.3	37
14	Activity of Gallium Meso- and Protoporphyrin IX against Biofilms of Multidrug-Resistant Acinetobacter baumannii Isolates. Pharmaceuticals, 2016, 9, 16.	3.8	31
15	<i>In Vitro</i> Study of the Variable Effects of Proton Pump Inhibitors on Voriconazole. Antimicrobial Agents and Chemotherapy, 2015, 59, 5548-5554.	3.2	29
16	Voriconazole Enhances the Osteogenic Activity of Human Osteoblasts <i>In Vitro</i> through a Fluoride-Independent Mechanism. Antimicrobial Agents and Chemotherapy, 2015, 59, 7205-7213.	3.2	28
17	In Vitro activity of Melaleuca alternifolia (tea tree) oil on filamentous fungi and toxicity to human cells. Medical Mycology, 2015, 53, 285-294.	0.7	28
18	Pathogens Present in Acute Mangled Extremities From Afghanistan and Subsequent Pathogen Recovery. Military Medicine, 2015, 180, 97-103.	0.8	26

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19	Intravenous Antibiotic and Antifungal Agent Pharmacokinetic-Pharmacodynamic Dosing in Adults with Severe Burn Injury. <i>Clinical Therapeutics</i> , 2016, 38, 2016-2031.	2.5	26
20	Once-Daily Amikacin Dosing in Burn Patients Treated with Continuous Venovenous Hemofiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4639-4642.	3.2	24
21	Carbapenem Susceptibility Testing Errors Using Three Automated Systems, Disk Diffusion, Etest, and Broth Microdilution and Carbapenem Resistance Genes in Isolates of <i>Acinetobacter baumannii</i> -calcoaceticus Complex. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 4707-4711.	3.2	24
22	Colistin Pharmacokinetics in Burn Patients during Continuous Venovenous Hemofiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 46-52.	3.2	23
23	Determining potential of PMMA as a depot for rifampin to treat recalcitrant orthopaedic infections. <i>Injury</i> , 2017, 48, 2095-2100.	1.7	23
24	<i>In Vitro</i> activity of Manuka Honey and polyhexamethylene biguanide on filamentous fungi and toxicity to human cell lines. <i>Medical Mycology</i> , 2017, 55, myw070.	0.7	18
25	Biofilm Formation by Clinical Isolates and Its Relevance to Clinical Infections. <i>Advances in Experimental Medicine and Biology</i> , 2015, 830, 1-28.	1.6	17
26	The use of PCR/Electrospray Ionization-Time-of-Flight-Mass Spectrometry (PCR/ESI-TOF-MS) to detect bacterial and fungal colonization in healthy military service members. <i>BMC Infectious Diseases</i> , 2016, 16, 338.	2.9	16
27	Antimicrobial resistance acquisition after international travel in U.S. travelers. <i>Tropical Diseases, Travel Medicine and Vaccines</i> , 2016, 2, 4.	2.2	14
28	Dakin solution alters macrophage viability and function. <i>Journal of Surgical Research</i> , 2014, 192, 692-699.	1.6	13
29	Rapid degradation and non-selectivity of Dakin™s solution prevents effectiveness in contaminated musculoskeletal wound models. <i>Injury</i> , 2018, 49, 1763-1773.	1.7	13
30	Recurrent bacteremia: A 10-year retrospective study in combat-related burn casualties. <i>Burns</i> , 2019, 45, 579-588.	1.9	12
31	CHROMagar <i>Acinetobacter</i> is not selective for carbapenem-resistant <i>Acinetobacter baumannii</i> -calcoaceticus complex. <i>Diagnostic Microbiology and Infectious Disease</i> , 2010, 67, 209-211.	1.8	11
32	Duration of extremity tourniquet application profoundly impacts soft-tissue antibiotic exposure in a rat model of ischemia-reperfusion injury. <i>Injury</i> , 2019, 50, 2203-2214.	1.7	11
33	Meropenem pharmacokinetics in critically ill patients with or without burn treated with or without continuous venovenous haemofiltration. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 2156-2168.	2.4	11
34	Activity of Norspermidine on Bacterial Biofilms of Multidrug-Resistant Clinical Isolates Associated with Persistent Extremity Wound Infections. <i>Advances in Experimental Medicine and Biology</i> , 2016, 973, 53-70.	1.6	10
35	Multidrug-Resistant and Virulent Organisms Trauma Infections: Trauma Infectious Disease Outcomes Study Initiative. <i>Military Medicine</i> , 2022, 187, 42-51.	0.8	10
36	Variations of CHROMagar <i>Acinetobacter</i> to detect imipenem-resistant <i>Acinetobacter baumannii</i> -calcoaceticus complex. <i>Scandinavian Journal of Infectious Diseases</i> , 2013, 45, 446-452.	1.5	8

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37	Wound Penetration of Cefazolin, Ciprofloxacin, Piperacillin, Tazobactam, and Vancomycin During Negative Pressure Wound Therapy. <i>Advances in Wound Care</i> , 2017, 6, 55-62.	5.1	8
38	Population Pharmacokinetic Modeling and Simulations of Imipenem in Burn Patients With and Without Continuous Venovenous Hemofiltration in the Military Health System. <i>Journal of Clinical Pharmacology</i> , 2021, 61, 1182-1194.	2.0	8
39	Thermal stability of mafenide and amphotericin B topical solution. <i>Burns</i> , 2018, 44, 475-480.	1.9	7
40	Preliminary Method for Direct Quantification of Colistin Methanesulfonate by Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5542-5547.	3.2	6
41	Comparison of Piperacillin and Tazobactam Pharmacokinetics in Critically Ill Patients with Trauma or with Burn. <i>Antibiotics</i> , 2022, 11, 618.	3.7	5
42	Pharmacokinetics of Ciprofloxacin in Critically Ill Burn and Non-burn Trauma Patients. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	1
43	Utility of the Nanosphere Verigene in the Identification of Bacteremia Isolates From the Burn Intensive Care Unit. <i>Military Medicine</i> , 2017, 182, e1779-e1784.	0.8	1
44	Analysis of Non-Battle Deaths Among U.S. Service Members in the Deployed Environment. <i>Annals of Surgery</i> , 2021, Publish Ahead of Print, e445-e451.	4.2	1
45	Carbapenem Susceptibility Testing Errors Using Three Automated Systems, Disk Diffusion, Etest, and Broth Microdilution and Carbapenem Resistance Genes in Isolates of <i>Acinetobacter baumannii-calcoaceticus</i> Complex. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 1149-1149.	3.2	0
46	1662 Rates and Risk Factors for Multidrug-resistant Bacterial Colonization Before and After International Travel. <i>Open Forum Infectious Diseases</i> , 2014, 1, S444-S444.	0.9	0
47	1561 The Relationship Between Self-reported Adherence and Efavirenz Blood Levels on the Appearance of HIV Viral Load Blips. <i>Open Forum Infectious Diseases</i> , 2014, 1, S415-S415.	0.9	0
48	1682 Clinical Outcomes Associated with Biofilm-Related Bacterial Infections. <i>Open Forum Infectious Diseases</i> , 2014, 1, S449-S449.	0.9	0
49	1376. Antifungal Activity of Cerium Nitrate Against Fungal Isolates Associated with Combat-Related Injuries Including Burns. <i>Open Forum Infectious Diseases</i> , 2018, 5, S422-S422.	0.9	0
50	Biofilms and Wound Infection Research in the AUS Military. , 2019, , 55-69.		0