

Axel Kramer

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

5,970
citations

136950

32
h-index

74163

75
g-index

101
all docs

101
docs citations

101
times ranked

6485
citing authors

#	ARTICLE	IF	CITATIONS
1	How long do nosocomial pathogens persist on inanimate surfaces? A systematic review. BMC Infectious Diseases, 2006, 6, 130.	2.9	1,812
2	Epidemiologic Background of Hand Hygiene and Evaluation of the Most Important Agents for Scrubs and Rubs. Clinical Microbiology Reviews, 2004, 17, 863-893.	13.6	600
3	Biocompatibility index of antiseptic agents by parallel assessment of antimicrobial activity and cellular cytotoxicity. Journal of Antimicrobial Chemotherapy, 2008, 61, 1281-1287.	3.0	369
4	Tissue Tolerable Plasma (TTP) induces apoptosis in pancreatic cancer cells in vitro and in vivo. BMC Cancer, 2012, 12, 473.	2.6	218
5	Consensus on Wound Antisepsis: Update 2018. Skin Pharmacology and Physiology, 2018, 31, 28-58.	2.5	200
6	Limited efficacy of alcohol-based hand gels. Lancet, The, 2002, 359, 1489-1490.	13.7	185
7	Antibiotic resistance: What is so special about multidrug-resistant Gram-negative bacteria?. GMS Hygiene and Infection Control, 2017, 12, Doc05.	0.3	181
8	Treatment of <i>Candida albicans</i> biofilms with low-temperature plasma induced by dielectric barrier discharge and atmospheric pressure plasma jet. New Journal of Physics, 2010, 12, 073039.	2.9	119
9	Cold Atmospheric Plasma Treatment Induces Anti-Proliferative Effects in Prostate Cancer Cells by Redox and Apoptotic Signaling Pathways. PLoS ONE, 2015, 10, e0130350.	2.5	101
10	Risk assessment of the application of a plasma jet in dermatology. Journal of Biomedical Optics, 2009, 14, 054025.	2.6	96
11	Investigating the Mutagenicity of a Cold Argon-Plasma Jet in an HET-MN Model. PLoS ONE, 2016, 11, e0160667.	2.5	91
12	Quantity of ethanol absorption after excessive hand disinfection using three commercially available hand rubs is minimal and below toxic levels for humans. BMC Infectious Diseases, 2007, 7, 117.	2.9	86
13	Human Mononuclear Cell Survival and Proliferation is Modulated by Cold Atmospheric Plasma Jet. Plasma Processes and Polymers, 2013, 10, 706-713.	3.0	76
14	Healthcare associated infection: novel strategies and antimicrobial implants to prevent surgical site infection. Annals of the Royal College of Surgeons of England, 2010, 92, 453-458.	0.6	72
15	Combined antibacterial effects of tissue-tolerable plasma and a modern conventional liquid antiseptic on chronic wound treatment. Journal of Biophotonics, 2015, 8, 382-391.	2.3	68
16	Antimicrobial Efficacy of Two Surface Barrier Discharges with Air Plasma against In Vitro Biofilms. PLoS ONE, 2013, 8, e70462.	2.5	66
17	Effect of selected wound antiseptics on adult articular cartilage (bovine sesamoid bone) in the presence of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . Journal of Orthopaedic Research, 2005, 23, 127-133.	2.3	64
18	Effects and safety of atmospheric low-temperature plasma on bacterial reduction in chronic wounds and wound size reduction: A systematic review and meta-analysis. International Wound Journal, 2019, 16, 103-111.	2.9	61

#	ARTICLE	IF	CITATIONS
19	Effectiveness of alcohol-based hand disinfectants in a public administration: Impact on health and work performance related to acute respiratory symptoms and diarrhoea. <i>BMC Infectious Diseases</i> , 2010, 10, 250.	2.9	59
20	Plasma Sterilization: What are the Conditions to Meet this Claim?. <i>Plasma Processes and Polymers</i> , 2008, 5, 534-539.	3.0	56
21	Antimicrobial Efficacy of an Atmospheric Pressure Plasma Jet Against Biofilms of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus epidermidis</i> . <i>Plasma Processes and Polymers</i> , 2013, 10, 161-166.	3.0	56
22	High throughput image cytometry micronucleus assay to investigate the presence or absence of mutagenic effects of cold physical plasma. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 268-277.	2.2	55
23	Cold Physical Plasma Treatment Alters Redox Balance in Human Immune Cells. <i>Plasma Medicine</i> , 2013, 3, 267-278.	0.6	50
24	Efficacy of Cetylpyridinium Chloride Used as Oropharyngeal Antiseptic. <i>Arzneimittelforschung</i> , 2001, 51, 588-595.	0.4	45
25	Cold Physical Plasmas in the Field of Hygiene—Relevance, Significance, and Future Applications. <i>Plasma Processes and Polymers</i> , 2015, 12, 1410-1422.	3.0	45
26	Original Research: Survival of Bacterial Pathogens on Paper and Bacterial Retrieval from Paper to Hands: Preliminary Results. <i>American Journal of Nursing</i> , 2011, 111, 30-34.	0.4	44
27	Cold Atmospheric Plasma in the Treatment of Osteosarcoma. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2004.	4.1	44
28	The modified HET-CAM as a model for the assessment of the inflammatory response to tissue tolerable plasma. <i>Toxicology in Vitro</i> , 2011, 25, 530-537.	2.4	43
29	Cost comparison of MRSA screening and management – a decision tree analysis. <i>BMC Health Services Research</i> , 2012, 12, 438.	2.2	43
30	Survival of Microorganisms on Inanimate Surfaces. , 2014, , 7-26.		43
31	Effect of a 1min hand wash on the bactericidal efficacy of consecutive surgical hand disinfection with standard alcohols and on skin hydration. <i>International Journal of Hygiene and Environmental Health</i> , 2006, 209, 285-291.	4.3	42
32	The role of surface disinfection in infection prevention. <i>GMS Hygiene and Infection Control</i> , 2013, 8, Doc10.	0.3	40
33	New Strategies for Preoperative Skin Antisepsis. <i>Skin Pharmacology and Physiology</i> , 2014, 27, 283-292.	2.5	35
34	The Irritation Potential of Nonthermal Atmospheric Pressure Plasma in the HET-CAM. <i>Plasma Processes and Polymers</i> , 2010, 7, 318-326.	3.0	32
35	Poly (hexamethylene biguanide) adsorption on hydrogen peroxide treated Ti-Al-V alloys and effects on wettability, antimicrobial efficacy, and cytotoxicity. <i>Biomaterials</i> , 2014, 35, 5261-5277.	11.4	30
36	New Treatment Options for Osteosarcoma – Inactivation of Osteosarcoma Cells by Cold Atmospheric Plasma. <i>Anticancer Research</i> , 2016, 36, 5915-5922.	1.1	30

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55	Irritative potency of selected wound antiseptics in the hen's egg test on chorioallantoic membrane to predict their compatibility to wounds. <i>Wound Repair and Regeneration</i> , 2019, 27, 183-189.	3.0	17
56	Prospective study to determine the penetration of iodide into the anterior chamber following preoperative application of topical 1.25% povidone-iodine. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2007, 245, 789-793.	1.9	16
57	Antibacterial and antiplaque efficacy of a commercially available octenidine-containing mouthrinse. <i>Clinical Oral Investigations</i> , 2016, 20, 1469-1476.	3.0	16
58	In vitro evaluation of contact-active antibacterial efficacy of Ti-Al-V alloys coated with the antimicrobial agent PHMB. <i>Acta Biomaterialia</i> , 2020, 106, 376-386.	8.3	16
59	Effects of SCN ⁻ /H ₂ O ₂ combinations in dentifrices on plaque and gingivitis. <i>Journal of Clinical Periodontology</i> , 2001, 28, 270-276.	4.9	14
60	Microbial contamination of manually reprocessed, ready to use ECG lead wire in intensive care units. <i>GMS Hygiene and Infection Control</i> , 2013, 8, Doc07.	0.3	13
61	Polypragmasia in the therapy of infected wounds - conclusions drawn from the perspectives of low temperature plasma technology for plasma wound therapy. <i>GMS Krankenhaushygiene InterdisziplinÄr</i> , 2008, 3, Doc13.	0.3	11
62	Effect of hand lotion on the effectiveness of hygienic hand antisepsis: Implications for practicing hand hygiene. <i>American Journal of Infection Control</i> , 2017, 45, 835-838.	2.3	10
63	Ethanol and ethyl glucuronide urine concentrations after ethanol-based hand antisepsis with and without permitted alcohol consumption. <i>American Journal of Infection Control</i> , 2016, 44, 999-1003.	2.3	9
64	Release of the model drug SR101 from polyurethane nanocapsules in porcine hair follicles triggered by LED-derived low dose UVA light. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120339.	5.2	9
65	One-day point prevalence of emerging bacterial pathogens in a nationwide sample of 62 German hospitals in 2012 and comparison with the results of the one-day point prevalence of 2010. <i>GMS Hygiene and Infection Control</i> , 2013, 8, Doc12.	0.3	9
66	Practices of skin care among nurses in medical and surgical intensive care units: results of a self-administered questionnaire. <i>GMS Krankenhaushygiene InterdisziplinÄr</i> , 2011, 6, Doc08.	0.3	9
67	In vitro action of combinations of selected antimicrobial agents and adult bovine articular cartilage (sesamoid bone). <i>Chemico-Biological Interactions</i> , 2003, 145, 331-336.	4.0	8
68	Improving hospital hygiene to reduce the impact of multidrug-resistant organisms in health care—a prospective controlled multicenter study. <i>BMC Infectious Diseases</i> , 2015, 15, 441.	2.9	8
69	Ethanol is indispensable for virucidal hand antisepsis: memorandum from the alcohol-based hand rub (ABHR) Task Force, WHO Collaborating Centre on Patient Safety, and the Commission for Hospital Hygiene and Infection Prevention (KRINKO), Robert Koch Institute, Berlin, Germany. <i>Antimicrobial Resistance and Infection Control</i> , 2022, 11, .	4.1	8
70	Prevention of post-operative infections after surgical treatment of bite wounds. <i>GMS Krankenhaushygiene InterdisziplinÄr</i> , 2010, 5, .	0.3	7
71	Poly (hexamethylene biguanide), adsorbed onto Ti-Al alloys, kills slime-producing Staphylococci and Pseudomonas aeruginosa without inhibiting SaOs-2 cell differentiation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1801-1813.	3.4	6
72	Perspektiven der Plasmamedizin. <i>Vakuum in Forschung Und Praxis</i> , 2010, 22, 33-38.	0.1	5

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73	Dealing with the COVID-19 pandemic in orthopaedics: experiences and procedure in Germany. Bone & Joint Open, 2020, 1, 309-315.	2.6	5
74	Chemical disinfection in healthcare settings: critical aspects for the development of global strategies. GMS Hygiene and Infection Control, 2020, 15, Doc36.	0.3	5
75	Overexpression of MicroRNA-1 in Prostate Cancer Cells Modulates the Blood Vessel System of an In Vivo Hen's Egg Test – Chorioallantoic Membrane Model. In Vivo, 2019, 33, 41-46.	1.3	4
76	Influence of Bio-sorb [®] Cream on Sweat Production and Efficacy of Surgical Hand Antisepsis Under Surgical Gloves. Surgical Infections, 2020, 21, 293-298.	1.4	4
77	Staphylococcus aureus nasal colonization among dental health care workers in Northern Germany (StaphDent study). International Journal of Medical Microbiology, 2021, 311, 151524.	3.6	4
78	One-day point prevalence of emerging bacterial pathogens in four secondary and five tertiary care German hospitals - results from a pilot study of the German Society for Hospital Hygiene (Deutsche Tj ETQq0 0 0 rgt /Overlock 10 Tf 5		
79	Plasma Application for Hygienic Purposes in Medicine, Industry, and Biotechnology: Update 2017. , 2018, , 253-281.		3
80	Coronavirus Pandemic – SARS-CoV-2 in Orthopedics and Trauma Surgery. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2021, 159, 25-31.	0.7	3
81	Application in Veterinary Medicine. , 2018, , 283-297.		2
82	Inhibition of microbial growth by cold atmospheric plasma compared with the antiseptics chlorhexidine digluconate, octenidine dihydrochloride, and polyhexanide. Plasma Processes and Polymers, 2019, 16, 1800162.	3.0	2
83	Efficacy of Tissue Tolerable Plasma (TTP) against Ixodes ricinus. GMS Hygiene and Infection Control, 2014, 9, Doc04.	0.3	2
84	Implementing the MRSA recommendations made by the Commission for Hospital Hygiene and Infection Prevention (KRINKO) of 1999 - current considerations by the DGKH Management Board. GMS Krankenhaushygiene Interdisziplinär, 2009, 4, Doc02.	0.3	2
85	The clinical impact of preoperative biliary drainage on isolated infectious complications (iIC) after pancreatic head resection – a retrospective study. BMC Surgery, 2022, 22, 71.	1.3	2
86	Aktueller und perspektivischer Einsatz kalter Plasmen aus hygienischer Indikation. , 2016, , 137-155.		1
87	Consensus recommendation: Indications and methods for microbiological wound diagnostics. Wound Medicine, 2018, 23, 53-57.	2.7	1
88	Improved Adsorption of the Antimicrobial Agent Poly (Hexamethylene) Biguanide on Ti-Al-V Alloys by NaOH Treatment and Impact of Mass Coverage and Contamination on Cytocompatibility. Coatings, 2021, 11, 1118.	2.6	1
89	Wound dressings from a hygienic point of view using the example of sorbion sachet S. GMS Krankenhaushygiene Interdisziplinär, 2009, 4, Doc11.	0.3	1
90	The epidemiological relevance of the COVID-19-vaccinated population is decreasing after booster vaccination, as shown by incidence rate ratios. Lancet Regional Health - Europe, The, 2022, 16, 100372.	5.6	1

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91	Corrigendum to: Drug delivery through the skin barrier enhanced by treatment with tissue-tolerable plasma. <i>Experimental Dermatology</i> , 2011, 20, 696-696.	2.9	0
92	Hygienemaßnahmen in der Allgemein- und Viszeralchirurgie. , 2021, , 37-52.		0