

# Robert Bucki

## List of Publications by Year in descending order

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144  
papers

4,916  
citations

71102

41  
h-index

118850

62  
g-index

146  
all docs

146  
docs citations

146  
times ranked

6466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time attack on single <i>Escherichia coli</i> cells by the human antimicrobial peptide LL-37. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E77-81.	7.1	233
2	Ceragenins: Cholic Acid-Based Mimics of Antimicrobial Peptides. Accounts of Chemical Research, 2008, 41, 1233-1240.	15.6	182
3	Cathelicidin LL-37: A Multitask Antimicrobial Peptide. Archivum Immunologiae Et Therapiae Experimentalis, 2010, 58, 15-25.	2.3	170
4	Compression stiffening of brain and its effect on mechanosensing by glioma cells. New Journal of Physics, 2014, 16, 075002.	2.9	148
5	Tumor stiffening reversion through collagen crosslinking inhibition improves T cell migration and anti-PD-1 treatment. ELife, 2021, 10, .	6.0	127
6	Recent insights in nanotechnology-based drugs and formulations designed for effective anti-cancer therapy. Journal of Nanobiotechnology, 2016, 14, 39.	9.1	123
7	The Antimicrobial Activity of the Cathelicidin LL37 Is Inhibited by F-actin Bundles and Restored by Gelsolin. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 738-745.	2.9	115
8	Cell Permeant Polyphosphoinositide-binding Peptides That Block Cell Motility and Actin Assembly. Journal of Biological Chemistry, 2001, 276, 43390-43399.	3.4	99
9	Plasma Gelsolin: Indicator of Inflammation and Its Potential as a Diagnostic Tool and Therapeutic Target. International Journal of Molecular Sciences, 2018, 19, 2516.	4.1	99
10	Augmentation of integrin-mediated mechanotransduction by hyaluronic acid. Biomaterials, 2014, 35, 71-82.	11.4	97
11	Inactivation of Endotoxin by Human Plasma Gelsolin. Biochemistry, 2005, 44, 9590-9597.	2.5	94
12	Plasma Gelsolin: Function, Prognostic Value, and Potential Therapeutic Use. Current Protein and Peptide Science, 2008, 9, 541-551.	1.4	88
13	Antibacterial Activities of Rhodamine B-Conjugated Gelsolin-Derived Peptides Compared to Those of the Antimicrobial Peptides Cathelicidin LL37, Magainin II, and Melittin. Antimicrobial Agents and Chemotherapy, 2004, 48, 1526-1533.	3.2	83
14	Regulation of actin assembly by PI(4,5)P2 and other inositol phospholipids: An update on possible mechanisms. Biochemical and Biophysical Research Communications, 2018, 506, 307-314.	2.1	82
15	The Role of Cathelicidin LL-37 in Cancer Development. Archivum Immunologiae Et Therapiae Experimentalis, 2016, 64, 33-46.	2.3	81
16	Calcium Induces Phospholipid Redistribution and Microvesicle Release in Human Erythrocyte Membranes by Independent Pathways. Biochemistry, 1998, 37, 15383-15391.	2.5	75
17	Bactericidal activity and biocompatibility of ceragenin-coated magnetic nanoparticles. Journal of Nanobiotechnology, 2015, 13, 32.	9.1	75
18	Extracellular Gelsolin Binds Lipoteichoic Acid and Modulates Cellular Response to Proinflammatory Bacterial Wall Components. Journal of Immunology, 2008, 181, 4936-4944.	0.8	72

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19	Soft Substrates Containing Hyaluronan Mimic the Effects of Increased Stiffness on Morphology, Motility, and Proliferation of Glioma Cells. <i>Biomacromolecules</i> , 2017, 18, 3040-3051.	5.4	70
20	Resistance of the antibacterial agent ceragenin CSA-13 to inactivation by DNA or F-actin and its activity in cystic fibrosis sputum. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 60, 535-545.	3.0	68
21	Antibacterial activity of the human host defence peptide LL-37 and selected synthetic cationic lipids against bacteria associated with oral and upper respiratory tract infections. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 610-618.	3.0	66
22	Expression and Function of Host Defense Peptides at Inflammation Sites. <i>International Journal of Molecular Sciences</i> , 2020, 21, 104.	4.1	66
23	Intrathecal increase of sphingosine 1-phosphate at early stage multiple sclerosis. <i>Neuroscience Letters</i> , 2010, 477, 149-152.	2.1	65
24	Formulation and candidacidal activity of magnetic nanoparticles coated with cathelicidin LL-37 and ceragenin CSA-13. <i>Scientific Reports</i> , 2017, 7, 4610.	3.3	64
25	Core&ndash;shell magnetic nanoparticles display synergistic antibacterial effects against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> when combined with cathelicidin LL-37 or selected ceragenins. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5443-5455.	6.7	63
26	Artificial Saliva: Challenges and Future Perspectives for the Treatment of Xerostomia. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3199.	4.1	63
27	Salivary mucins inhibit antibacterial activity of the cathelicidin-derived LL-37 peptide but not the cationic steroid CSA-13. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 329-335.	3.0	62
28	Magnetic nanoparticles as a drug delivery system that enhance fungicidal activity of polyene antibiotics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2395-2404.	3.3	61
29	Varied-shaped gold nanoparticles with nanogram killing efficiency as potential antimicrobial surface coatings for the medical devices. <i>Scientific Reports</i> , 2021, 11, 12546.	3.3	61
30	Magnetic nanoparticles enhance the anticancer activity of cathelicidin LL-37 peptide against colon cancer cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3843.	6.7	60
31	The Role of Oral Cavity Biofilm on Metallic Biomaterial Surface Destructionâ€“Corrosion and Friction Aspects. <i>International Journal of Molecular Sciences</i> , 2018, 19, 743.	4.1	59
32	Loss of Vimentin Enhances Cell Motility through Small Confining Spaces. <i>Small</i> , 2019, 15, e1903180.	10.0	59
33	Candidacidal Activity of Selected Ceragenins and Human Cathelicidin LL-37 in Experimental Settings Mimicking Infection Sites. <i>PLoS ONE</i> , 2016, 11, e0157242.	2.5	59
34	Cathelicidin LL-37 Increases Lung Epithelial Cell Stiffness, Decreases Transepithelial Permeability, and Prevents Epithelial Invasion by <i>Pseudomonas aeruginosa</i> . <i>Journal of Immunology</i> , 2011, 187, 6402-6409.	0.8	51
35	Interaction of the Gelsolin-Derived Antibacterial PBP 10 Peptide with Lipid Bilayers and Cell Membranes. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2932-2940.	3.2	49
36	Plasma gelsolin modulates cellular response to sphingosine 1-phosphate. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C1516-C1523.	4.6	48

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37	Bactericidal Activity of Ceragenin CSA-13 in Cell Culture and in an Animal Model of Peritoneal Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6274-6282.	3.2	48
38	Use of magnetic nanoparticles as a drug delivery system to improve chlorhexidine antimicrobial activity. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7833-7846.	6.7	48
39	Anionic poly(amino acid)s dissolve F-actin and DNA bundles, enhance DNase activity, and reduce the viscosity of cystic fibrosis sputum. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L599-L605.	2.9	45
40	Delayed loss of control of plasma lipopolysaccharide levels after therapy interruption in chronically HIV-1-infected patients. <i>Aids</i> , 2009, 23, 369-375.	2.2	44
41	Tissue Rheology as a Possible Complementary Procedure to Advance Histological Diagnosis of Colon Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5620-5631.	5.2	43
42	Bactericidal activities of the cationic steroid CSA-13 and the cathelicidin peptide LL-37 against <i>Helicobacter pylori</i> in simulated gastric juice. <i>BMC Microbiology</i> , 2009, 9, 187.	3.3	42
43	Bactericidal Activities of Cathelicidin LL-37 and Select Cationic Lipids against the Hypervirulent <i>Pseudomonas aeruginosa</i> Strain LESB58. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 3808-3815.	3.2	42
44	Extracellular Vimentin as a Target Against SARS-CoV-2 Host Cell Invasion. <i>Small</i> , 2022, 18, e2105640.	10.0	41
45	Nanoantibiotics containing membrane-active human cathelicidin LL-37 or synthetic ceragenins attached to the surface of magnetic nanoparticles as novel and innovative therapeutic tools: current status and potential future applications. <i>Journal of Nanobiotechnology</i> , 2020, 18, 3.	9.1	40
46	ROS-Mediated Apoptosis and Autophagy in Ovarian Cancer Cells Treated with Peanut-Shaped Gold Nanoparticles. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1993-2011.	6.7	40
47	Gold-functionalized magnetic nanoparticles restrict growth of <i>Pseudomonas aeruginosa</i> . <i>International Journal of Nanomedicine</i> , 2014, 9, 2217.	6.7	38
48	Development of antifungal therapies using nanomaterials. <i>Nanomedicine</i> , 2017, 12, 1891-1905.	3.3	38
49	Involvement of Phosphatidylinositol 4,5-Bisphosphate in Phosphatidylserine Exposure in Platelets: Use of a Permeant Phosphoinositide-Binding Peptide. <i>Biochemistry</i> , 2001, 40, 15752-15761.	2.5	37
50	Cathelicidin LL-37 peptide regulates endothelial cell stiffness and endothelial barrier permeability. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C105-C112.	4.6	37
51	Therapeutic potential of plasma gelsolin administration in a rat model of sepsis. <i>Cytokine</i> , 2011, 54, 235-238.	3.2	35
52	Hypogelsolinemia, a disorder of the extracellular actin scavenger system, in patients with multiple sclerosis. <i>BMC Neurology</i> , 2010, 10, 107.	1.8	34
53	Purification of salmon thrombin and its potential as an alternative to mammalian thrombins in fibrin sealants. <i>Thrombosis Research</i> , 2002, 107, 245-254.	1.7	33
54	Use of ceragenins as a potential treatment for urinary tract infections. <i>BMC Infectious Diseases</i> , 2019, 19, 369.	2.9	33

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55	Growth arrest and rapid capture of select pathogens following magnetic nanoparticle treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 29-38.	5.0	29
56	Sphingosine-1-Phosphate Metabolism and Its Role in the Development of Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2017, 18, 741.	4.1	29
57	Phosphatidylinositol 4,5-Bisphosphate Domain Inducers Promote Phospholipid Transverse Redistribution in Biological Membranes. <i>Biochemistry</i> , 2000, 39, 5838-5844.	2.5	27
58	Sporicidal activity of ceragenin CSA-13 against <i>Bacillus subtilis</i> . <i>Scientific Reports</i> , 2017, 7, 44452.	3.3	27
59	Polymeric nanoparticles – a novel solution for delivery of antimicrobial agents. <i>Studia Medyczne</i> , 2016, 1, 56-62.	0.1	26
60	Defective Sphingolipids Metabolism and Tumor Associated Macrophages as the Possible Links Between Gaucher Disease and Blood Cancer Development. <i>International Journal of Molecular Sciences</i> , 2019, 20, 843.	4.1	26
61	Anaerobic bacteria growth in the presence of cathelicidin LL-37 and selected ceragenins delivered as magnetic nanoparticles cargo. <i>BMC Microbiology</i> , 2017, 17, 167.	3.3	25
62	Inhibition of inflammatory response in human keratinocytes by magnetic nanoparticles functionalized with PBP10 peptide derived from the PIP2-binding site of human plasma gelsolin. <i>Journal of Nanobiotechnology</i> , 2019, 17, 22.	9.1	25
63	Bactericidal Properties of Rod-, Peanut-, and Star-Shaped Gold Nanoparticles Coated with Ceragenin CSA-131 against Multidrug-Resistant Bacterial Strains. <i>Pharmaceutics</i> , 2021, 13, 425.	4.5	25
64	Oral Health Status and Oral Hygiene Practices of Patients with Peptic Ulcer and How These Affect <i>Helicobacter pylori</i> Eradication from the Stomach. <i>Helicobacter</i> , 2007, 12, 63-7.	3.5	23
65	Lateral distribution of phosphatidylinositol 4,5-bisphosphate in membranes regulates formin- and ARP2/3-mediated actin nucleation. <i>Journal of Biological Chemistry</i> , 2019, 294, 4704-4722.	3.4	22
66	The Influence of Mucin-Based Artificial Saliva on Properties of Polycaprolactone and Polylactide. <i>Polymers</i> , 2019, 11, 1880.	4.5	22
67	Two Lineages of <i>Pseudomonas aeruginosa</i> Filamentous Phages: Structural Uniformity over Integration Preferences. <i>Genome Biology and Evolution</i> , 2020, 12, 1765-1781.	2.5	22
68	Combined Antibacterial and Anti-Inflammatory Activity of a Cationic Disubstituted Dexamethasone-Spermine Conjugate. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2525-2533.	3.2	21
69	Ceragenins – a new weapon to fight multidrug resistant bacterial infections. <i>Studia Medyczne</i> , 2014, 3, 207-213.	0.1	21
70	Unique Role of Vimentin Networks in Compression Stiffening of Cells and Protection of Nuclei from Compressive Stress. <i>Nano Letters</i> , 2022, 22, 4725-4732.	9.1	21
71	Involvement of the Na <sup>+</sup> /H <sup>+</sup> exchanger in membrane phosphatidylserine exposure during human platelet activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 195-204.	2.4	20
72	Utility of blood procalcitonin concentration in the management of cancer patients with infections. <i>OncoTargets and Therapy</i> , 2016, 9, 469.	2.0	20

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73	Biocompatible Materials in Otorhinolaryngology and Their Antibacterial Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2575.	4.1	20
74	Unexpected profile of sphingolipid contents in blood and bone marrow plasma collected from patients diagnosed with acute myeloid leukemia. <i>Lipids in Health and Disease</i> , 2017, 16, 235.	3.0	19
75	Susceptibility of microbial cells to the modified PIP <sub>2</sub> -binding sequence of gelsolin anchored on the surface of magnetic nanoparticles. <i>Journal of Nanobiotechnology</i> , 2019, 17, 81.	9.1	19
76	Increased levels of sphingosine-1-phosphate in cerebrospinal fluid of patients diagnosed with tick-borne encephalitis. <i>Journal of Neuroinflammation</i> , 2014, 11, 193.	7.2	18
77	Enhancement of Pulmozyme activity in purulent sputum by combination with poly-aspartic acid or gelsolin. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 587-593.	0.7	18
78	Ceragenin CSA-13 as free molecules and attached to magnetic nanoparticle surfaces induce caspase-dependent apoptosis in human breast cancer cells via disruption of cell oxidative balance. <i>Oncotarget</i> , 2018, 9, 21904-21920.	1.8	18
79	Polyelectrolyte-mediated increase of biofilm mass formation. <i>BMC Microbiology</i> , 2015, 15, 117.	3.3	17
80	Bactericidal and immunomodulatory properties of magnetic nanoparticles functionalized by 1,4-dihydropyridines. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3411-3424.	6.7	17
81	<p>NDM-1 Carbapenemase-Producing Enterobacteriaceae are Highly Susceptible to Ceragenins CSA-13, CSA-44, and CSA-131</p>. <i>Infection and Drug Resistance</i> , 2020, Volume 13, 3277-3294.	2.7	17
82	Cathelicidin LL-37 in Health and Diseases of the Oral Cavity. <i>Biomedicines</i> , 2022, 10, 1086.	3.2	17
83	Modulation of exogenous antibiotic activity by host cathelicidin LL-37. <i>Apmis</i> , 2010, 118, 830-836.	2.0	16
84	<i>Pseudomonas aeruginosa</i> Infections in Cancer Patients. <i>Pathogens</i> , 2022, 11, 679.	2.8	16
85	Cholesterol-Dependent Phase-Demixing in Lipid Bilayers as a Switch for the Activity of the Phosphoinositide-Binding Cytoskeletal Protein Gelsolin. <i>Biochemistry</i> , 2016, 55, 3361-3369.	2.5	15
86	Polymerized ionic liquid-based hydrogels with intrinsic antibacterial activity: Modern weapons against antibiotic-resistant infections. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50222.	2.6	15
87	Novel Cationic Lipids with Enhanced Gene Delivery and Antimicrobial Activity. <i>Molecular Pharmacology</i> , 2010, 78, 402-410.	2.3	14
88	Extracellular DNA as an essential component and therapeutic target of microbial biofilm. <i>Studia Medyczne</i> , 2015, 2, 132-138.	0.1	14
89	PhSeZnCl in the Synthesis of Steroidal 1 <sup>2</sup> -Hydroxy-Phenylselenides Having Antibacterial Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2121.	4.1	14
90	<p>&lt;p>&gt;Nanomechanics and Histopathology as Diagnostic Tools to Characterize Freshly Removed Human Brain Tumors&lt;/p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7509-7521.	6.7	14

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91	Depletion of Plasma Gelsolin in Patients with Tick-Borne Encephalitis and Lyme Neuroborreliosis. <i>Neurodegenerative Diseases</i> , 2011, 8, 375-380.	1.4	13
92	Rod-shaped gold nanoparticles exert potent candidacidal activity and decrease the adhesion of fungal cells. <i>Nanomedicine</i> , 2020, 15, 2733-2752.	3.3	13
93	Quantification of Synergistic Effects of Ceragenin CSA-131 Combined with Iron Oxide Magnetic Nanoparticles Against Cancer Cells. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4573-4589.	6.7	13
94	Salmon and Human Thrombin Differentially Regulate Radicular Pain, Glial-Induced Inflammation and Spinal Neuronal Excitability through Protease-Activated Receptor-1. <i>PLoS ONE</i> , 2013, 8, e80006.	2.5	12
95	Enhancing the fungicidal activity of antibiotics: are magnetic nanoparticles the key?. <i>Nanomedicine</i> , 2017, 12, 1747-1749.	3.3	12
96	Assessment of aliphatic poly(ester-carbonate-urea-urethane)s potential as materials for biomedical application. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	12
97	Bacteria Residing at Root Canals Can Induce Cell Proliferation and Alter the Mechanical Properties of Gingival and Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7914.	4.1	12
98	Stiffening of bacteria cells as a first manifestation of bactericidal attack. <i>Micron</i> , 2017, 101, 95-102.	2.2	11
99	Antimicrobial and Physicochemical Properties of Artificial Saliva Formulations Supplemented with Core-Shell Magnetic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1979.	4.1	11
100	New $\beta$ -Lactam Antibiotics and Ceragenins – A Study to Assess Their Potential in Treatment of Infections Caused by Multidrug-Resistant Strains of <i>Pseudomonas aeruginosa</i> . <i>Infection and Drug Resistance</i> , 2021, Volume 14, 5681-5698.	2.7	11
101	Pharmacokinetics and Anticancer Activity of Folic Acid-Functionalized Magnetic Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 665-677.	1.1	10
102	Recombinant Human Plasma Gelsolin Stimulates Phagocytosis while Diminishing Excessive Inflammatory Responses in Mice with <i>Pseudomonas aeruginosa</i> Sepsis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2551.	4.1	10
103	Bactericidal Activity of Ceragenin in Combination with Ceftazidime, Levofloxacin, Co-Trimoxazole, and Colistin against the Opportunistic Pathogen <i>Stenotrophomonas maltophilia</i> . <i>Pathogens</i> , 2022, 11, 621.	2.8	10
104	Targeting polyelectrolyte networks in purulent body fluids to modulate bactericidal properties of some antibiotics. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 77-86.	2.7	9
105	Bacterial endotoxin as inhibitor of the enzymatic activity of human thrombin. <i>European Journal of Haematology</i> , 2006, 76, 510-515.	2.2	8
106	Early central vs. peripheral immunological and neurobiological effects of fingolimod – a longitudinal study. <i>Journal of Molecular Medicine</i> , 2019, 97, 1263-1271.	3.9	8
107	Hypogelsolinemia in Patients Diagnosed with Acute Myeloid Leukemia at Initial Stage of Sepsis. <i>Medical Science Monitor</i> , 2019, 25, 1452-1458.	1.1	8
108	Biofilm Growth Causes Damage to Silicone Voice Prostheses in Patients after Surgical Treatment of Locally Advanced Laryngeal Cancer. <i>Pathogens</i> , 2020, 9, 793.	2.8	7

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109	Nanomechanical Hallmarks of <i>Helicobacter pylori</i> Infection in Pediatric Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5624.	4.1	7
110	Inhomogeneity of stiffness and density of the extracellular matrix within the leukoplakia of human oral mucosa as potential physicochemical factors leading to carcinogenesis. <i>Translational Oncology</i> , 2021, 14, 101105.	3.7	7
111	A multiscale biophysical model for the recruitment of actin nucleating proteins at the membrane interface. <i>Soft Matter</i> , 2020, 16, 4941-4954.	2.7	7
112	Flavonoid-mediated inhibition of actin polymerization in cold-activated platelets. <i>Platelets</i> , 2005, 16, 362-367.	2.3	6
113	Extracellular aggregation of polyelectrolytes escaped from the cell interior: Mechanisms and physiological consequences. <i>Current Opinion in Colloid and Interface Science</i> , 2016, 26, 84-89.	7.4	6
114	Pathophysiological implications of actin-free Gc-globulin concentration changes in blood plasma and cerebrospinal fluid collected from patients with Alzheimer's disease and other neurological disorders. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 1075-1080.	1.4	6
115	Ceragenin CSA-44 as a Means to Control the Formation of the Biofilm on the Surface of Tooth and Composite Fillings. <i>Pathogens</i> , 2022, 11, 491.	2.8	6
116	Decreased Activity of Blood Acid Sphingomyelinase in the Course of Multiple Myeloma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6048.	4.1	5
117	Carbamohydrazone-thioate-based polymer-magnetic nanohybrids: Fabrication, characterization and bactericidal properties. <i>Arabian Journal of Chemistry</i> , 2019, 12, 5187-5199.	4.9	5
118	CHANGE IN BLOOD GELSOLIN CONCENTRATION IN RESPONSE TO PHYSICAL EXERCISE. <i>Biology of Sport</i> , 2013, 30, 169-172.	3.2	5
119	Assessment of Ceragenins in Prevention of Damage to Voice Prostheses Caused by <i>Candida</i> Biofilm Formation. <i>Pathogens</i> , 2021, 10, 1371.	2.8	5
120	Peanut-Shaped Gold Nanoparticles with Shells of Ceragenin CSA-131 Display the Ability to Inhibit Ovarian Cancer Growth In Vitro and in a Tumor Xenograft Model. <i>Cancers</i> , 2021, 13, 5424.	3.7	5
121	Ceragenin-Coated Non-Spherical Gold Nanoparticles as Novel Candidacidal Agents. <i>Pharmaceutics</i> , 2021, 13, 1940.	4.5	5
122	The plasma borne free fatty acids rapidly enter the hepatocellular nuclei. <i>Life Sciences</i> , 1996, 59, 2209-2215.	4.3	4
123	Synthesis and structure-activity relationships of novel cationic lipids with anti-inflammatory and antimicrobial activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2837-2843.	2.2	4
124	The synthesis and antifungal activity of (20S)-3 $\beta$ -acetoxy-5 $\alpha$ -pregnane-20,16 $\beta$ -carbolactone against fluconazole-resistant <i>Candida</i> cells. <i>Steroids</i> , 2017, 118, 55-60.	1.8	4
125	Targeting bacteria causing otitis media using nanosystems containing nonspherical gold nanoparticles and ceragenins. <i>Nanomedicine</i> , 2021, 16, 2657-2678.	3.3	4
126	N-Acetyl-Cysteine Increases Activity of Peanut-Shaped Gold Nanoparticles Against Biofilms Formed by Clinical Strains of <i>Pseudomonas aeruginosa</i> Isolated from Sputum of Cystic Fibrosis Patients. <i>Infection and Drug Resistance</i> , 2022, Volume 15, 851-871.	2.7	4



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127	Human Vimentin Layers on Solid Substrates: Adsorption Kinetics and Corona Formation Investigations. <i>Biomacromolecules</i> , 2022, 23, 3308-3317.	5.4	4
128	Neutrophil extracellular traps as the main source of eDNA. <i>Studia Medyczne</i> , 2017, 2, 137-145.	0.1	3
129	Lysozyme increases bactericidal activity of ceragenin CSA-13 against <i>Bacillus subtilis</i> . <i>Studia Medyczne</i> , 2019, 35, 1-9.	0.1	3
130	Hypogelsolinemia and Decrease in Blood Plasma Sphingosine-1-Phosphate in Patients Diagnosed with Severe Acute Pancreatitis. <i>Digestive Diseases and Sciences</i> , 2021, , 1.	2.3	3
131	Targeting the Gut Microbiota to Relieve the Symptoms of Irritable Bowel Syndrome. <i>Pathogens</i> , 2021, 10, 1545.	2.8	3
132	Application of multiplexing technology to the analysis of the intrathecally released immunoglobulins against <i>B. burgdorferi</i> antigens in neuroborreliosis. <i>Immunology Letters</i> , 2015, 168, 58-63.	2.5	2
133	Physics Comes to the Aid of Medicine—Clinically-Relevant Microorganisms through the Eyes of Atomic Force Microscope. <i>Pathogens</i> , 2020, 9, 969.	2.8	2
134	Toxicity of parasites and their unconventional use in medicine. <i>Annals of Agricultural and Environmental Medicine</i> , 2019, 26, 523-531.	1.0	2
135	Phosphoinositides and Actin Cytoskeletal Rearrangement. , 2010, , 1141-1150.		1
136	The search for new sporicidal agents for medical use: where are we?. <i>Future Microbiology</i> , 2017, 12, 735-737.	2.0	1
137	Regulation of Cationic Antimicrobial Peptides Expression in the Digestive Tract. , 2018, , 1-20.		1
138	Potential colonization of provox voice prosthesis by <i>Candida</i> spp. with no sign of failure for approximately 10 years exploitation time. <i>Acta Oto-Laryngologica Case Reports</i> , 2021, 6, 60-66.	0.2	1
139	Mechanical Properties of the Extracellular Environment of Human Brain Cells Drive the Effectiveness of Drugs in Fighting Central Nervous System Cancers. <i>Brain Sciences</i> , 2022, 12, 927.	2.3	1
140	Sphingosine-1-Phosphate-Triggered Expression of Cathelicidin LL-37 Promotes the Growth of Human Bladder Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7443.	4.1	1
141	Resistance of the antibacterial agent ceragenin CSA-13 to inactivation by DNA or F-actin and its activity in cystic fibrosis sputum. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 762-762.	3.0	0
142	Antimicrobial properties of mucin-based saliva substitute containing xylitol. , 2020, , .		0
143	The influence of pH and temperature on stability of artificial saliva based on porcine gastric mucin. , 2020, , .		0
144	Phosphoinositides and Actin Cytoskeletal Rearrangement. , 2003, , 209-215.		0