

# RafaÅ, PiÄtek

## List of Publications by Year in descending order

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27  
papers

357  
citations

687220

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h-index

839398

18  
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27  
all docs

27  
docs citations

27  
times ranked

489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the ionic strength on the amyloid fibrillogenesis of hen egg white lysozyme. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 63-70.	3.6	38
2	Phage Therapy as a Novel Strategy in the Treatment of Urinary Tract Infections Caused by E. Coli. <i>Antibiotics</i> , 2020, 9, 304.	1.5	34
3	Pilicides inhibit the FGL chaperone/usher assisted biogenesis of the Dr fimbrial polyadhesin from uropathogenic <i>Escherichia coli</i> . <i>BMC Microbiology</i> , 2013, 13, 131.	1.3	32
4	Structure of DraD invasin from uropathogenic <i>Escherichia coli</i> : a dimer with swapped $\beta$ -tails. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 157-164.	2.5	29
5	Novel thermostable ssDNA-binding proteins from <i>Thermus thermophilus</i> and <i>T. aquaticus</i> expression and purification. <i>Protein Expression and Purification</i> , 2002, 26, 131-138.	0.6	26
6	A surface-exposed DraD protein of uropathogenic <i>Escherichia coli</i> bearing Dr fimbriae may be expressed and secreted independently from DraC usher and DraE adhesin. <i>Microbiology (United Kingdom)</i> , 2007, 157, 107-110.	1.0	21
7	The Noncanonical Disulfide Bond as the Important Stabilizing Element of the Immunoglobulin Fold of the Dr Fimbrial DraE Subunit. <i>Biochemistry</i> , 2010, 49, 1460-1468.	1.2	22
8	Bacteriophages as Potential Tools for Use in Antimicrobial Therapy and Vaccine Development. <i>Pharmaceuticals</i> , 2021, 14, 331.	1.7	20
9	A shear stress micromodel of urinary tract infection by the <i>Escherichia coli</i> producing Dr adhesin. <i>PLoS Pathogens</i> , 2020, 16, e1008247.	2.1	16
10	Chimeric Dr Fimbriae with a Herpes Simplex Virus Type 1 Epitope as a Model for a Recombinant Vaccine. <i>Infection and Immunity</i> , 2003, 71, 5505-5513.	1.0	14
11	Preclusion of Irreversible Destruction of Dr Adhesin Structures by a High Activation Barrier for the Unfolding Stage of the Fimbrial DraE Subunit. <i>Biochemistry</i> , 2009, 48, 11807-11816.	1.2	14
12	Alternative treatment approaches of urinary tract infections caused by uropathogenic <i>Escherichia coli</i> strains. <i>Acta Biochimica Polonica</i> , 2019, 66, 129-138.	0.3	14
13	Cloning, Expression, and Purification of the Uropathogenic <i>Escherichia coli</i> Invasin DraD. <i>Protein Expression and Purification</i> , 2001, 23, 476-482.	0.6	13
14	Characterization of a Single-Stranded DNA-Binding-Like Protein from <i>Nanoarchaeum equitans</i> A Nucleic Acid Binding Protein with Broad Substrate Specificity. <i>PLoS ONE</i> , 2015, 10, e0126563.	1.1	10
15	Biochemical characteristic of biofilm of uropathogenic <i>Escherichia coli</i> Dr + strains. <i>Microbiological Research</i> , 2013, 168, 367-378.	2.5	9
16	Role of the disulfide bond in stabilizing and folding of the fimbrial protein DraE from uropathogenic <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 16136-16149.	1.6	9
17	DAF- and collagen-binding properties of chimeric Dr fimbriae. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2733-2742.	0.7	7
18	Fusion of DNA-binding domain of <i>Pyrococcus furiosus</i> ligase with TaqStoffel DNA polymerase as a useful tool in PCR with difficult targets. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 713-721.	1.7	6

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19	The chaperone-usher pathway of bacterial adhesin biogenesis -- from molecular mechanism to strategies of anti-bacterial prevention and modern vaccine design. <i>Acta Biochimica Polonica</i> , 2005, 52, 639-46.	0.3	6
20	Application of Safirinium N-Hydroxysuccinimide Esters to Derivatization of Peptides for High-Resolution Mass Spectrometry, Tandem Mass Spectrometry, and Fluorescent Labeling of Bacterial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9643.	1.8	5
21	A two-plasmid <i>Escherichia coli</i> system for expression of Dr adhesins. <i>Protein Expression and Purification</i> , 2007, 55, 361-367.	0.6	3
22	The DraC usher in Dr fimbriae biogenesis of uropathogenic <i>E. coli</i> Dr+ strains. <i>Archives of Microbiology</i> , 2010, 192, 351-363.	1.0	3
23	Pathomechanism of urinary tract infections caused by uropathogenic <i>E. coli</i> strains. <i>Postepy Higieny i Medycyny Doswiadczalnej</i> , 2019, 73, 269-281.	0.1	2
24	Influence of Urea and Dimethyl Sulfoxide on K-Peptide Fibrillation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3027.	1.8	0
25	A shear stress micromodel of urinary tract infection by the <i>Escherichia coli</i> producing Dr adhesin. , 2020, 16, e1008247.		0
26	A shear stress micromodel of urinary tract infection by the <i>Escherichia coli</i> producing Dr adhesin. , 2020, 16, e1008247.		0
27	A shear stress micromodel of urinary tract infection by the <i>Escherichia coli</i> producing Dr adhesin. , 2020, 16, e1008247.		0