

Piotr M Skowron

List of Publications by Year in descending order

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61
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times ranked

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | T7-lac promoter vectors spontaneous derepression caused by plant-derived growth media may lead to serious expression problems: a systematic evaluation. <i>Microbial Cell Factories</i> , 2022, 21, 13. | 1.9 | 6 |
| 2 | Antimicrobial Potential of the Genera <i>Geobacillus</i> and <i>Parageobacillus</i> , as Well as Endolysins Biosynthesized by Their Bacteriophages. <i>Antibiotics</i> , 2022, 11, 242. | 1.5 | 8 |
| 3 | Regenerative Drug Discovery Using Ear Pinna Punch Wound Model in Mice. <i>Pharmaceuticals</i> , 2022, 15, 610. | 1.7 | 2 |
| 4 | Cloning and Characterization of a Thermostable Endolysin of Bacteriophage TP-84 as a Potential Disinfectant and Biofilm-Removing Biological Agent. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7612. | 1.8 | 9 |
| 5 | A method for the transient inhibition of toxicity of secretory recombinant proteins, exemplified by bacterial alkaline phosphatase. Novel protocol for problematic DNA termini dephosphorylation. <i>MethodsX</i> , 2021, 8, 101340. | 0.7 | 1 |
| 6 | PTD4 Peptide Increases Neural Viability in an In Vitro Model of Acute Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6086. | 1.8 | 5 |
| 7 | Bacteriophages of Thermophilic <i>Bacillus Group</i> ™ Bacteria—A Review. <i>Microorganisms</i> , 2021, 9, 1522. | 1.6 | 16 |
| 8 | Butyrylcholinesterase—Protein Interactions in Human Serum. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10662. | 1.8 | 8 |
| 9 | <sc>NMR</sc> and crystallographic structural studies of the extremely stable monomeric variant of human cystatin C with single amino acid substitution. <i>FEBS Journal</i> , 2020, 287, 361-376. | 2.2 | 10 |
| 10 | Development of a Peptide Derived from Platelet-Derived Growth Factor (PDGF-BB) into a Potential Drug Candidate for the Treatment of Wounds. <i>Advances in Wound Care</i> , 2020, 9, 657-675. | 2.6 | 18 |
| 11 | A vector-enzymatic DNA fragment amplification-expression technology for construction of artificial, concatemeric DNA, RNA and proteins for novel biomaterials, biomedical and industrial applications. <i>Materials Science and Engineering C</i> , 2020, 108, 110426. | 3.8 | 8 |
| 12 | Boosting toxic protein biosynthesis: transient in vivo inactivation of engineered bacterial alkaline phosphatase. <i>Microbial Cell Factories</i> , 2020, 19, 166. | 1.9 | 7 |
| 13 | An efficient method for the construction of artificial, concatemeric DNA, RNA and proteins with genetically programmed functions, using a novel, vector-enzymatic DNA fragment amplification-expression technology. <i>MethodsX</i> , 2020, 7, 101070. | 0.7 | 2 |
| 14 | Imunofan—RDKVYR Peptide—Stimulates Skin Cell Proliferation and Promotes Tissue Repair. <i>Molecules</i> , 2020, 25, 2884. | 1.7 | 8 |
| 15 | An alternative for proteinase K-heat-sensitive protease from fungus <i>Onygena corvina</i> for biotechnology: cloning, engineering, expression, characterization and special application for protein sequencing. <i>Microbial Cell Factories</i> , 2020, 19, 135. | 1.9 | 7 |
| 16 | Synthesis of silver nanoparticles in context of their cytotoxicity, antibacterial activities, skin penetration and application in skincare products. <i>Supramolecular Chemistry</i> , 2020, 32, 207-221. | 1.5 | 17 |
| 17 | Data regarding a new, vector-enzymatic DNA fragment amplification-expression technology for the construction of artificial, concatemeric DNA, RNA and proteins, as well as biological effects of selected polypeptides obtained using this method. <i>Data in Brief</i> , 2020, 28, 105069. | 0.5 | 4 |
| 18 | Epigenetic inhibitor zebularine activates ear pinna wound closure in the mouse. <i>EBioMedicine</i> , 2019, 46, 317-329. | 2.7 | 17 |

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|----|--|-----|-----------|
| 19 | Novel parameter describing restriction endonucleases: Secondary-Cognate-Specificity and chemical stimulation of TsoI leading to substrate specificity change. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3439-3451. | 1.7 | 1 |
| 20 | Identification of bacterial species in probiotic consortiums in selected commercial cleaning preparations. <i>Acta Biochimica Polonica</i> , 2019, 66, 215-222. | 0.3 | 5 |
| 21 | Randomized DNA libraries construction tool: a new 3-bp \sim frequent cutter TM TthHB27I/sinefungin endonuclease with chemically-induced specificity. <i>BMC Genomics</i> , 2018, 19, 361. | 1.2 | 2 |
| 22 | Sequence, genome organization, annotation and proteomics of the thermophilic, 47.7-kb <i>Geobacillus stearothermophilus</i> bacteriophage TP-84 and its classification in the new Tp84virus genus. <i>PLoS ONE</i> , 2018, 13, e0195449. | 1.1 | 14 |
| 23 | Immunophenotyping and transcriptional profiling of in vitro cultured human adipose tissue derived stem cells. <i>Scientific Reports</i> , 2018, 8, 11339. | 1.6 | 31 |
| 24 | The third restriction TM modification system from <i>Thermus aquaticus</i> YT-1: solving the riddle of two TaqII specificities. <i>Nucleic Acids Research</i> , 2017, 45, 9005-9018. | 6.5 | 3 |
| 25 | Thermostable proteins bioprocesses: The activity of restriction endonuclease-methyltransferase from <i>Thermus thermophilus</i> (RM.TthHB27I) cloned in <i>Escherichia coli</i> is critically affected by the codon composition of the synthetic gene. <i>PLoS ONE</i> , 2017, 12, e0186633. | 1.1 | 11 |
| 26 | Engineering TaqII bifunctional endonuclease DNA recognition fidelity: the effect of a single amino acid substitution within the methyltransferase catalytic site. <i>Molecular Biology Reports</i> , 2016, 43, 269-282. | 1.0 | 2 |
| 27 | A putative Type IIS restriction endonuclease GeoICl from <i>Geobacillus</i> sp. \sim A robust, thermostable alternative to mesophilic prototype BbvI. <i>Journal of Biosciences</i> , 2016, 41, 27-38. | 0.5 | 1 |
| 28 | MmoSTI restriction endonuclease, isolated from <i>Morganella morganii</i> infecting a tropical moth, <i>Actias selene</i> , cleaving 5 \sim CCNGG-3 \sim sequences. <i>Journal of Applied Genetics</i> , 2016, 57, 143-149. | 1.0 | 1 |
| 29 | Two-stage gene assembly/cloning of a member of the TspDTI subfamily of bifunctional restriction endonucleases, TthHB27I. <i>Journal of Biotechnology</i> , 2015, 194, 67-80. | 1.9 | 9 |
| 30 | A new prototype IIS/IIC/IIG endonuclease-methyltransferase TsoI from the thermophile <i>Thermus scotoductus</i> , recognising 5 \sim TARCCA(N11/9)-3 \sim sequences. <i>Journal of Biotechnology</i> , 2015, 194, 19-26. | 1.9 | 3 |
| 31 | Artificial Plasmid Labeled with 5 \sim Bromo \sim deoxyuridine: A Universal Molecular System for Strand Break Detection. <i>ChemBioChem</i> , 2014, 15, 1409-1412. | 1.3 | 4 |
| 32 | Cofactor analogue-induced chemical reactivation of endonuclease activity in a DNA cleavage/methylation deficient TspGWI N473A variant in the NPPY motif. <i>Molecular Biology Reports</i> , 2014, 41, 2313-2323. | 1.0 | 3 |
| 33 | Modified \sim one amino acid-one codon TM engineering of high GC content TaqII-coding gene from thermophilic <i>Thermus aquaticus</i> results in radical expression increase. <i>Microbial Cell Factories</i> , 2014, 13, 7. | 1.9 | 22 |
| 34 | A new genomic tool, ultra-frequently cleaving TaqII/sinefungin endonuclease with a combined 2.9-bp recognition site, applied to the construction of horse DNA libraries. <i>BMC Genomics</i> , 2013, 14, 370. | 1.2 | 8 |
| 35 | Three-stage biochemical selection: cloning of prototype class IIS/IIC/IIG restriction endonuclease-methyltransferase TsoI from the thermophile <i>Thermus scotoductus</i> . <i>BMC Molecular Biology</i> , 2013, 14, 17. | 3.0 | 10 |
| 36 | Structural characterization of V57D and V57P mutants of human cystatin C, an amyloidogenic protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 577-586. | 2.5 | 8 |

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|----|--|-----|-----------|
| 37 | Related bifunctional restriction endonuclease-methyltransferase triplets: TspDTI, Tth111II/TthHB27I and TsoI with distinct specificities. <i>BMC Molecular Biology</i> , 2012, 13, 13. | 3.0 | 20 |
| 38 | Chemically-induced affinity star restriction specificity: a novel TspGWI/sinefungin endonuclease with theoretical 3-bp cleavage frequency. <i>BioTechniques</i> , 2011, 50, 397-406. | 0.8 | 17 |
| 39 | PCR synthesis of double stranded DNA labeled with 5-bromouridine. A step towards finding a bromonucleoside for clinical trials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 671-677. | 1.4 | 12 |
| 40 | Crystallization and preliminary X-ray diffraction analysis of Val57 mutants of the amyloidogenic protein human cystatin C. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1608-1611. | 0.7 | 5 |
| 41 | Enzymatic synthesis of long double-stranded DNA labeled with haloderivatives of nucleobases in a precisely pre-determined sequence. <i>BMC Biochemistry</i> , 2011, 12, 47. | 4.4 | 3 |
| 42 | Bifunctional TaqII restriction endonuclease: redefining the prototype DNA recognition site and establishing the Fidelity Index for partial cleaving.. <i>BMC Biochemistry</i> , 2011, 12, 62. | 4.4 | 15 |
| 43 | Unexpected Photoproduct Generated via the Acetone-Sensitized Photolysis of 5-Bromo-2â€²-deoxyuridine in a Water/Isopropanol Solution: Experimental and Computational Studies. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16902-16907. | 1.2 | 2 |
| 44 | Cloning and analysis of a bifunctional methyltransferase/restriction endonuclease TspGWI, the prototype of a <i>Thermus</i> sp. enzyme family. <i>BMC Molecular Biology</i> , 2009, 10, 52. | 3.0 | 24 |
| 45 | A new <i>Thermus</i> sp. class-IIS enzyme sub-family: isolation of a 'twin' endonuclease TspDTI with a novel specificity 5'-ATGAA(N11/9)-3', related to TspGWI, TaqII and Tth111II. <i>Nucleic Acids Research</i> , 2003, 31, 74e-74. | 6.5 | 20 |
| 46 | TspGWI, a thermophilic class-IIS restriction endonuclease from <i>Thermus</i> sp., recognizes novel asymmetric sequence 5'-ACGGA(N11/9)-3'. <i>Nucleic Acids Research</i> , 2002, 30, 33e-33. | 6.5 | 17 |
| 47 | The FokI Methyltransferase from <i>Flavobacterium okeanoikoites</i> : Purification and Characterization of the Enzyme and its Truncated Derivatives. <i>Molecular Biotechnology</i> , 1999, 13, 1-16. | 1.3 | 12 |
| 48 | Thermal Cycle Labeling: Zeptomole Detection Sensitivity and Microgram Probe Amplification Using CviII* Restriction-Generated Oligonucleotides. <i>Analytical Biochemistry</i> , 1998, 255, 133-141. | 1.1 | 6 |
| 49 | GCN4 eukaryotic transcription factor/FokI endonuclease-mediated Achilles' heel cleavageâ€™: quantitative study of protein-DNA interaction. <i>Gene</i> , 1996, 170, 1-8. | 1.0 | 11 |
| 50 | Structural Requirements for FokI-DNA Interaction and Oligodeoxyribonucleotide-instructed Cleavage. <i>Journal of Molecular Biology</i> , 1996, 258, 638-649. | 2.0 | 15 |
| 51 | Sequential amplification of cloned DNA as tandem multimers using class-IIS restriction enzymes. <i>Genetic Analysis, Techniques and Applications</i> , 1996, 13, 139-145. | 1.5 | 33 |
| 52 | Molecular cloning of the three base restriction endonuclease R.CviII from eukaryotic <i>Chlorella</i> virus IL-3A. <i>Nucleic Acids Research</i> , 1996, 24, 2463-2469. | 6.5 | 15 |
| 53 | SacNI, an isoschizomer of BanII isolated from <i>Streptomyces achromogenes</i> recognizes the 5â€™-GRGCY/C sequence. <i>Gene</i> , 1995, 157, 319-320. | 1.0 | 0 |
| 54 | Cloning and applications of the two/three-base restriction endonuclease RÂˆCviII from IL-3A virus-infected <i>Chlorella</i> . <i>Gene</i> , 1995, 157, 37-41. | 1.0 | 15 |

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|----|--|-----|-----------|
| 55 | Purification and characterization of the restriction endonuclease Avcl from actinomyces cristalomycini. Gene, 1995, 157, 317-318. | 1.0 | 0 |
| 56 | Mmel, a class-IIS restriction endonuclease: Purification and characterization. Gene, 1995, 157, 87-92. | 1.0 | 29 |
| 57 | Atypical DNA-binding properties of class-IIS restriction endonucleases: evidence for recognition of the cognate sequence by a FokI monomer. Gene, 1994, 141, 151. | 1.0 | 2 |
| 58 | Atypical DNA-binding properties of class-IIS restriction endonucleases: evidence for recognition of the cognate sequence by a Fok I monomer. Gene, 1993, 125, 1-10. | 1.0 | 32 |
| 59 | Isolation and identification of two new Synechococcus-derived restriction endonucleases, S1el and SspAl, isoschimers of EcoRII. Nucleic Acids Research, 1991, 19, 2782-2782. | 6.5 | 1 |
| 60 | Purification and characterization of the FokI restriction endonuclease. Gene, 1989, 80, 209-216. | 1.0 | 50 |
| 61 | DNA-FAÇEâ,,ç - An <i>Escherichia coli</i>-based DNA Amplification-Expression Technology for Automatic Assembly of Concatemeric ORFs and Proteins. , 0, , . | | 1 |