

# Matheshwaran Saravanan

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

427  
citations

623734

14  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Type II restriction endonuclease R.KpnI is a member of the HNH nuclease superfamily. <i>Nucleic Acids Research</i> , 2004, 32, 6129-6135.	14.5	78
2	Interactions between the nucleosome histone core and Arp8 in the INO80 chromatin remodeling complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20883-20888.	7.1	47
3	Site-specific antibacterial efficacy and cyto/hemo-compatibility of zinc substituted hydroxyapatite. <i>Ceramics International</i> , 2019, 45, 12225-12233.	4.8	44
4	Hemocompatible glutaminase free <i>scp</i> -asparaginase from marine <i>Bacillus tequilensis</i> PV9W with anticancer potential modulating p53 expression. <i>RSC Advances</i> , 2016, 6, 25943-25951.	3.6	28
5	A biphasic nanohydroxyapatite/calcium sulphate carrier containing Rifampicin and Isoniazid for local delivery gives sustained and effective antibiotic release and prevents biofilm formation. <i>Scientific Reports</i> , 2020, 10, 14128.	3.3	28
6	R.KpnI, an HNH superfamily REase, exhibits differential discrimination at non-canonical sequences in the presence of Ca <sup>2+</sup> and Mg <sup>2+</sup> . <i>Nucleic Acids Research</i> , 2007, 35, 2777-2786.	14.5	24
7	Antibacterial and magnetic response of site-specific cobalt incorporated hydroxyapatite. <i>Ceramics International</i> , 2020, 46, 513-522.	4.8	22
8	Evolution of sequence specificity in a restriction endonuclease by a point mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10344-10347.	7.1	21
9	Ca <sup>2+</sup> -mediated Site-specific DNA Cleavage and Suppression of Promiscuous Activity of KpnI Restriction Endonuclease. <i>Journal of Biological Chemistry</i> , 2004, 279, 49736-49740.	3.4	20
10	Exocyst Subcomplex Functions in Autophagosome Biogenesis by Regulating Atg9 Trafficking. <i>Journal of Molecular Biology</i> , 2019, 431, 2821-2834.	4.2	20
11	Unveiling the Modulating Role of Extracellular pH in Permeation and Accumulation of Small Molecules in Subcellular Compartments of Gram-negative <i>Escherichia coli</i> using Nonlinear Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 7662-7671.	6.5	20
12	Dual Role for Zn <sup>2+</sup> in Maintaining Structural Integrity and Inducing DNA Sequence Specificity in a Promiscuous Endonuclease. <i>Journal of Biological Chemistry</i> , 2007, 282, 32320-32326.	3.4	19
13	Effect of Zn and Co doping on antibacterial efficacy and cytocompatibility of spark plasma sintered hydroxyapatite. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4090-4100.	3.8	16
14	3' UTR SNP rs2229611 in G6PC1 affects mRNA stability, expression and Glycogen Storage Disease type-1a risk. <i>Clinica Chimica Acta</i> , 2017, 471, 46-54.	1.1	15
15	Endonuclease Active Site Plasticity Allows DNA Cleavage with Diverse Alkaline Earth and Transition Metal Ions. <i>ACS Chemical Biology</i> , 2011, 6, 934-942.	3.4	8
16	Generation of a Manganese Specific Restriction Endonuclease with Nicking Activity. <i>Biochemistry</i> , 2010, 49, 8425-8433.	2.5	5
17	Identification and Genome Analysis of an Arsenic-Metabolizing Strain of <i>Citrobacter youngae</i> IITK SM2 in Middle Indo-Gangetic Plain Groundwater. <i>BioMed Research International</i> , 2022, 2022, 1-19.	1.9	4
18	Structural integrity of the Beta Beta Alpha-Metal finger motif is required for DNA binding and stable protein-DNA complex formation in R.KpnI. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 269-275.	2.3	3

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19	Real-time kinetic studies of Mycobacterium tuberculosis LexA-DNA interaction. Bioscience Reports, 2021, 41, .	2.4	2
20	Functional expression and purification of Anabaena PCC 7120 XisA protein. Protein Expression and Purification, 2016, 118, 64-69.	1.3	1
21	Genome Sequence of Bacillus subtilis subsp. subtilis Strain IITK SM1, Isolated from Kitchen Waste Compost. Microbiology Resource Announcements, 2019, 8, .	0.6	1