

Alexey A Shvets

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

817
citations

933264

10
h-index

1199470

12
g-index

18
all docs

18
docs citations

18
times ranked

1009
citing authors

#	ARTICLE	IF	CITATIONS
1	Medical Image Segmentation Using Deep Neural Networks with Pre-trained Encoders. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 39-52.	0.5	18
2	CD45 functions as a signaling gatekeeper in T cells. <i>Science Signaling</i> , 2019, 12, .	1.6	81
3	Automatic Instrument Segmentation in Robot-Assisted Surgery using Deep Learning. , 2018, , .		183
4	Paediatric Bone Age Assessment Using Deep Convolutional Neural Networks. <i>Lecture Notes in Computer Science</i> , 2018, , 300-308.	1.0	102
5	Mechanisms of Protein Search for Targets on DNA: Theoretical Insights. <i>Molecules</i> , 2018, 23, 2106.	1.7	34
6	Deep Convolutional Neural Networks for Breast Cancer Histology Image Analysis. <i>Lecture Notes in Computer Science</i> , 2018, , 737-744.	1.0	172
7	On the Mechanism of Homology Search by RecA Protein Filaments. <i>Biophysical Journal</i> , 2017, 112, 859-867.	0.2	11
8	Mechanism of Genome Interrogation: How CRISPR RNA-Guided Cas9 Proteins Locate Specific Targets on DNA. <i>Biophysical Journal</i> , 2017, 113, 1416-1424.	0.2	9
9	The Role of DNA Looping in the Search for Specific Targets on DNA by Multisite Proteins. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5022-5027.	2.1	15
10	How conformational dynamics influences the protein search for targets on DNA. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 444004.	0.7	18
11	Crowding on DNA in Protein Search for Targets. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2502-2506.	2.1	35
12	Role of Static and Dynamic Obstacles in the Protein Search for Targets on DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5802-5809.	1.2	24
13	Sequence heterogeneity accelerates protein search for targets on DNA. <i>Journal of Chemical Physics</i> , 2015, 143, 245101.	1.2	29