

Ozge Kurkcuoglu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

555
citations

758635

12
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	The ribosome structure controls and directs mRNA entry, translocation and exit dynamics. <i>Physical Biology</i> , 2008, 5, 046005.	0.8	61
2	Mixed levels of coarse-graining of large proteins using elastic network model succeeds in extracting the slowest motions. <i>Polymer</i> , 2004, 45, 649-657.	1.8	55
3	Loop Motions of Triosephosphate Isomerase Observed with Elastic Networks. <i>Biochemistry</i> , 2006, 45, 1173-1182.	1.2	52
4	Focused Functional Dynamics of Supramolecules by Use of a Mixed-Resolution Elastic Network Model. <i>Biophysical Journal</i> , 2009, 97, 1178-1187.	0.2	46
5	Low-methoxyl pectin-zeolite hydrogels controlling drug release promote <i>in vitro</i> wound healing. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47640.	1.3	46
6	Collective dynamics of the ribosomal tunnel revealed by elastic network modeling. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 75, 837-845.	1.5	42
7	Collective Dynamics of Large Proteins from Mixed Coarse-Grained Elastic Network Model. <i>QSAR and Combinatorial Science</i> , 2005, 24, 443-448.	1.5	33
8	Repurposing of FDA-approved drugs against active site and potential allosteric drug-binding sites of COVID-19 main protease. <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 1425-1441.	1.5	30
9	Noncovalent Pyrene-Polyethylene Glycol Coatings of Carbon Nanotubes Achieve <i>In Vitro</i> Biocompatibility. <i>Langmuir</i> , 2018, 34, 12071-12082.	1.6	24
10	Identification of potential allosteric communication pathways between functional sites of the bacterial ribosome by graph and elastic network models. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3131-3141.	1.1	20
11	Collective Dynamics of EcoRI-DNA Complex by Elastic Network Model and Molecular Dynamics Simulations. <i>Journal of Biomolecular Structure and Dynamics</i> , 2006, 24, 1-15.	2.0	15
12	A computational and experimental approach to develop minocycline-imprinted hydrogels and determination of their drug delivery performances. <i>Journal of Polymer Research</i> , 2018, 25, 1.	1.2	15
13	Exploring allosteric communication in multiple states of the bacterial ribosome using residue network analysis. <i>Turkish Journal of Biology</i> , 2018, 42, 392-404.	2.1	12
14	2-Thiobarbituric acid addition improves structural integrity and controlled drug delivery of biocompatible pectin hydrogels. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 703-711.	1.8	12
15	Mechanism of Cohesin Loading onto Chromosomes: A Conformational Dynamics Study. <i>Biophysical Journal</i> , 2010, 99, 1212-1220.	0.2	10
16	The elastic network model reveals a consistent picture on intrinsic functional dynamics of type II restriction endonucleases. <i>Physical Biology</i> , 2011, 8, 056001.	0.8	10
17	Pectin-Zeolite-Based Wound Dressings with Controlled Albumin Release. <i>Polymers</i> , 2022, 14, 460.	2.0	10
18	Conformational dynamics of bacterial trigger factor in apo and ribosome-bound states. <i>PLoS ONE</i> , 2017, 12, e0176262.	1.1	9

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19	Exploring Allosteric Signaling in the Exit Tunnel of the Bacterial Ribosome by Molecular Dynamics Simulations and Residue Network Model. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 586075.	1.6	8
20	Molecular dynamics simulations can predict the optimum drug loading amount in pectin hydrogels for controlled release. <i>Materials Today Communications</i> , 2022, 31, 103268.	0.9	8
21	Local and Global Motions Underlying Antibiotic Binding in Bacterial Ribosome. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 6447-6461.	2.5	6
22	Fmoc-PEG Coated Single-Wall Carbon Nanotube Carriers by Non-covalent Functionalization: An Experimental and Molecular Dynamics Study. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 648366.	2.0	6
23	Potential allosteric sites captured in glycolytic enzymes via residue-based network models: Phosphofructokinase, glyceraldehyde-3-phosphate dehydrogenase and pyruvate kinase. <i>Biophysical Chemistry</i> , 2022, 280, 106701.	1.5	5
24	A multiscale investigation on controlling bovine serum albumin adsorption onto polyurethane films. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45669.	1.3	4
25	Elucidating doxycycline loading and release performance of imprinted hydrogels with different cross-linker concentrations: a computational and experimental study. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	4
26	Molecular dynamics simulations of adsorption of long pyrene-PEG chains on atthin carbon nanotube. <i>Turkish Journal of Chemistry</i> , 2019, 43, 1159-1169.	0.5	3
27	Elastic Network Models of Coarse-Grained Proteins Are Effective for Studying the Structural Control Exerted over Their Dynamics. , 2008, , 237-254.		3
28	Computational assessment of thermostability in miRNA:CNT system using molecular dynamics simulations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129808.	1.1	2
29	Exploring species-specific inhibitors with multiple target sites on <i>S. aureus</i> pyruvate kinase using a computational workflow. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3496-3510.	2.0	2
30	Monte Carlo and Molecular Dynamics Simulations suggest controlled release of corticosteroids from mesoporous host MIL-101 (Cr). <i>Molecular Simulation</i> , 2021, 47, 1530-1539.	0.9	1
31	Preparation and Determination of In Vivo and In Vitro Performance of Doxycycline Imprinted Contact Lenses for Corneal Neovascularization Treatment. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 1185-1192.	0.4	1
32	Polyurethanes: Surface Protein Adsorption. , 0, , 6724-6742.		0