Ozge Kurkcuoglu

List of Publications by Year
in descending order

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	Exploring species-specific inhibitors with multiple target sites on S. aureus pyruvate kinase using a computational workflow. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3496-3510.	2.0	2
2	Potential allosteric sites captured in glycolytic enzymes via residue-based network models: Phosphofructokinase, glyceraldehyde-3-phosphate dehydrogenase and pyruvate kinase. Biophysical Chemistry, 2022, 280, 106701.	1.5	5
3	Pectinâ€“Zeolite-Based Wound Dressings with Controlled Albumin Release. Polymers, 2022, 14, 460.	2.0	10
4	Molecular dynamics simulations can predict the optimum drug loading amount in pectin hydrogels for controlled release. Materials Today Communications, 2022, 31, 103268.	0.9	8
5	2-Thiobarbituric acid addition improves structural integrity and controlled drug delivery of biocompatible pectin hydrogels. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 703-711.	1.8	12
6	Computational assessment of thermostability in miRNA:CNT system using molecular dynamics simulations. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129808.	1.1	2
7	Fmoc-PEG Coated Single-Wall Carbon Nanotube Carriers by Non-covalent Functionalization: An Experimental and Molecular Dynamics Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 648366.	2.0	6
8	Repurposing of <scp>FDA</scp>â€approved drugs against active site and potential allosteric drugâ€binding sites of <scp>COVID</scp>â€19 main protease. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1425-1441.	1.5	30
9	Elucidating doxycycline loading and release performance of imprinted hydrogels with different cross-linker concentrations: a computational and experimental study. Journal of Polymer Research, 2021, 28, 1.	1.2	4
10	Monte Carlo and Molecular Dynamics Simulations suggest controlled release of corticosteroids from mesoporous host MIL-101 (Cr). Molecular Simulation, 2021, 47, 1530-1539.	0.9	1
11	Exploring Allosteric Signaling in the Exit Tunnel of the Bacterial Ribosome by Molecular Dynamics Simulations and Residue Network Model. Frontiers in Molecular Biosciences, 2020, 7, 586075.	1.6	8
12	Local and Global Motions Underlying Antibiotic Binding in Bacterial Ribosome. Journal of Chemical Information and Modeling, 2020, 60, 6447-6461.	2.5	6
13	Lowâ€methoxyl pectinâ€“zeolite hydrogels controlling drug release promote in vitro wound healing. Journal of Applied Polymer Science, 2019, 136, 47640.	1.3	46
14	Molecular dynamics simulations of adsorption of long pyrene-PEG chains on athin carbon nanotube. Turkish Journal of Chemistry, 2019, 43, 1159-1169.	0.5	3
15	A multiscale investigation on controlling bovine serum albumin adsorption onto polyurethane films. Journal of Applied Polymer Science, 2018, 135, 45669.	1.3	4
16	Exploring allosteric communication in multiple states of the bacterial ribosome using residue network analysis. Turkish Journal of Biology, 2018, 42, 392-404.	2.1	12
17	A computational and experimental approach to develop minocycline-imprinted hydrogels and determination of their drug delivery performances. Journal of Polymer Research, 2018, 25, 1.	1.2	15
18	Noncovalent Pyrene-Polyethylene Glycol Coatings of Carbon Nanotubes Achieve in Vitro Biocompatibility. Langmuir, 2018, 34, 12071-12082.	1.6	24

#	Article	IF	Citations
19	Identification of potential allosteric communication pathways between functional sites of the bacterial ribosome by graph and elastic network models. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3131-3141.	1.1	20
20	Conformational dynamics of bacterial trigger factor in apo and ribosome-bound states. PLoS ONE, 2017, 12, e0176262.	1.1	9
21	The elastic network model reveals a consistent picture on intrinsic functional dynamics of type II restriction endonucleases. Physical Biology, 2011, 8, 056001.	0.8	10
22	Mechanism of Cohesin Loading onto Chromosomes: A Conformational Dynamics Study. Biophysical Journal, 2010, 99, 1212-1220.	0.2	10
23	Collective dynamics of the ribosomal tunnel revealed by elastic network modeling. Proteins: Structure, Function and Bioinformatics, 2009, 75, 837-845.	1.5	42
24	Focused Functional Dynamics of Supramolecules by Use of a Mixed-Resolution Elastic Network Model. Biophysical Journal, 2009, 97, 1178-1187.	0.2	46
25	The ribosome structure controls and directs mRNA entry, translocation and exit dynamics. Physical Biology, 2008, 5, 046005.	0.8	61
26	Elastic Network Models of Coarse-Grained Proteins Are Effective for Studying the Structural Control Exerted over Their Dynamics. , 2008, , 237-254.		3
27	Collective Dynamics ofEcoRI-DNA Complex by Elastic Network Model and Molecular Dynamics Simulations. Journal of Biomolecular Structure and Dynamics, 2006, 24, 1-15.	2.0	15
28	Loop Motions of Triosephosphate Isomerase Observed with Elastic Networks. Biochemistry, 2006, 45, 1173-1182.	1.2	52
29	Collective Dynamics of Large Proteins from Mixed Coarse-Grained Elastic Network Model. QSAR and Combinatorial Science, 2005, 24, 443-448.	1.5	33
30	Mixed levels of coarse-graining of large proteins using elastic network model succeeds in extracting the slowest motions. Polymer, 2004, 45, 649-657.	1.8	55
31	Polyurethanes: Surface Protein Adsorption. , 0, , 6724-6742.		0
32	Preparation and Determination of In Vivo and In Vitro Performance of Doxycycline Imprinted Contact Lenses for Corneal Neovascularization Treatment. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 1185-1192.	0.4	1