

Emmanuelle Bignon

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

664
citations

623734

14
h-index

610901

24
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45
all docs

45
docs citations

45
times ranked

809
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. <i>Chemical Senses</i> , 2021, 46, .	2.0	119
2	Smell and taste changes are early indicators of the COVID-19 pandemic and political decision effectiveness. <i>Nature Communications</i> , 2020, 11, 5152.	12.8	74
3	Probing the reactivity of singlet oxygen with purines. <i>Nucleic Acids Research</i> , 2016, 44, 56-62.	14.5	57
4	Correlation of bistranded clustered abasic DNA lesion processing with structural and dynamic DNA helix distortion. <i>Nucleic Acids Research</i> , 2016, 44, 8588-8599.	14.5	37
5	Singlet Oxygen Attack on Guanine: Reactivity and Structural Signature within the Bâ€DNA Helix. <i>Chemistry - A European Journal</i> , 2016, 22, 12358-12362.	3.3	34
6	Molecular Dynamics Insights into Polyamineâ€DNA Binding Modes: Implications for Crossâ€Link Selectivity. <i>Chemistry - A European Journal</i> , 2017, 23, 12845-12852.	3.3	34
7	Computational Structural Biology of S-nitrosylation of Cancer Targets. <i>Frontiers in Oncology</i> , 2018, 8, 272.	2.8	32
8	Repair Rate of Clustered Abasic DNA Lesions by Human Endonuclease: Molecular Bases of Sequence Specificity. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3760-3765.	4.6	30
9	Use of Computational Biochemistry for Elucidating Molecular Mechanisms of Nitric Oxide Synthase. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 415-429.	4.1	21
10	Structure and Dynamics of RNA Guanine Quadruplexes in SARS-CoV-2 Genome. Original Strategies against Emerging Viruses. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10277-10283.	4.6	21
11	Insights into the chemical meanings of the reaction electronic flux. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	1.4	20
12	DNA Photosensitization by an â€Insiderâ€: Photophysics and Triplet Energy Transfer of 5â€Methylâ€2â€pyrimidone Deoxyribonucleoside. <i>Chemistry - A European Journal</i> , 2015, 21, 11509-11516.	3.3	19
13	Ibuprofen and ketoprofen potentiate UVA-induced cell death by a photosensitization process. <i>Scientific Reports</i> , 2017, 7, 8885.	3.3	19
14	Conformational polymorphism or structural invariance in DNA photoinduced lesions: implications for repair rates. <i>Nucleic Acids Research</i> , 2017, 45, 3654-3662.	14.5	17
15	Nucleosomal embedding reshapes the dynamics of abasic sites. <i>Scientific Reports</i> , 2020, 10, 17314.	3.3	13
16	Structure of the 5â€ untranslated region in SARS-CoV-2 genome and its specific recognition by innate immune system<i>via</i>the human oligoadenylate synthase 1. <i>Chemical Communications</i> , 2022, 58, 2176-2179.	4.1	13
17	Recognition of a tandem lesion by DNA bacterial formamidopyrimidine glycosylases explored combining molecular dynamics and machine learning. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2861-2869.	4.1	11
18	Autophagy and evasion of the immune system by SARS-CoV-2. Structural features of the non-structural protein 6 from wild type and Omicron viral strains interacting with a model lipid bilayer. <i>Chemical Science</i> , 2022, 13, 6098-6105.	7.4	11

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19	Interstrand cross-linking implies contrasting structural consequences for DNA: insights from molecular dynamics. <i>Nucleic Acids Research</i> , 2017, 45, gkw1253.	14.5	10
20	Impact of the Nucleosome Histone Core on the Structure and Dynamics of DNA-Containing Pyrimidine \rightarrow Pyrimidone (γ) Photoproduct. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 5972-5981.	5.3	10
21	A Dynamic View of the Interaction of Histone Tails with Clustered Abasic Sites in a Nucleosome Core Particle. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6014-6019.	4.6	10
22	Wetting the lock and key enthalpically favours polyelectrolyte binding. <i>Chemical Science</i> , 2019, 10, 277-283.	7.4	8
23	The Iron Maiden. Cytosolic Aconitase/IRP1 Conformational Transition in the Regulation of Ferritin Translation and Iron Hemostasis. <i>Biomolecules</i> , 2021, 11, 1329.	4.0	5
24	Molecular Mechanisms Associated with Clustered Lesion-Induced Impairment of 8-oxoG Recognition by the Human Glycosylase OGG1. <i>Molecules</i> , 2021, 26, 6465.	3.8	4
25	Exploring Dihydroflavonol \rightarrow 4 \rightarrow Reductase Reactivity and Selectivity by QM/MM \rightarrow MD Simulations. <i>ChemBioChem</i> , 2022, 23, .	2.6	4
26	How Fragile We Are: Influence of Stimulator of Interferon Genes (STING) Variants on Pathogen Recognition and Immune Response Efficiency. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 3096-3106.	5.4	4
27	Hijacking of Cellular Functions by Severe Acute Respiratory Syndrome Coronavirus-2. Permeabilization and Polarization of the Host Lipid Membrane by Viroporins. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4642-4649.	4.6	3
28	Never Cared for What They Do: High Structural Stability of Guanine-Quadruplexes in the Presence of Strand-Break Damage. <i>Molecules</i> , 2022, 27, 3256.	3.8	3
29	Specific Recognition of the 5 \prime -Untranslated Region of West Nile Virus Genome by Human Innate Immune System. <i>Viruses</i> , 2022, 14, 1282.	3.3	3
30	Analyzing Biomolecular Ensembles. <i>Methods in Molecular Biology</i> , 2019, 2022, 415-451.	0.9	1