Alessio Ottaviani

List of Publications by Year
in descending order

23	417	759233 12	752698 20
papers	citations	h-index	g-index

24	24	24	529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Receptor-Mediated Entry of Pristine Octahedral DNA Nanocages in Mammalian Cells. ACS Nano, 2016, 10, 5971-5979.	14.6	76
2	Selective targeting and degradation of doxorubicin-loaded folate-functionalized DNA nanocages. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1181-1190.	3.3	59
3	Entry, fate and degradation of DNA nanocages in mammalian cells: a matter of receptors. Nanoscale, 2018, 10, 12078-12086.	5.6	30
4	In vitro elimination of epidermal growth factor receptorâ€overexpressing cancer cells by CD32Aâ€chimeric receptor T cells in combination with cetuximab or panitumumab. International Journal of Cancer, 2020, 146, 236-247.	5.1	30
5	Molecular mechanism of the camptothecin resistance of Glu710Gly topoisomerase IB mutant analyzed in vitro and in silico. Molecular Cancer, 2013, 12, 100.	19.2	29
6	DNA hairpins promote temperature controlled cargo encapsulation in a truncated octahedral nanocage structure family. Nanoscale, 2016, 8, 13333-13341.	5.6	28
7	Simulative and Experimental Characterization of a pH-Dependent Clamp-like DNA Triple-Helix Nanoswitch. Journal of the American Chemical Society, 2017, 139, 5321-5329.	13.7	22
8	Recent perspective on CAR and FcÎ³-CR T cell immunotherapy for cancers: Preclinical evidence versus clinical outcomes. Biochemical Pharmacology, 2019, 166, 335-346.	4.4	20
9	Cow Milk Extracellular Vesicle Effects on an In Vitro Model of Intestinal Inflammation. Biomedicines, 2022, 10, 570.	3.2	19
10	CD16â€158â€valine chimeric receptor T cells overcome the resistance of KRASâ€mutated colorectal carcinoma cells to cetuximab. International Journal of Cancer, 2020, 146, 2531-2538.	5.1	15
11	Engineering a responsive DNA triple helix into an octahedral DNA nanostructure for a reversible opening/closing switching mechanism: a computational and experimental integrated study. Nucleic Acids Research, 2018, 46, 9951-9959.	14.5	14
12	Natural Compounds as Therapeutic Agents: The Case of Human Topoisomerase IB. International Journal of Molecular Sciences, 2021, 22, 4138.	4.1	14
13	Replacement of the Human Topoisomerase Linker Domain with the Plasmodial Counterpart Renders the Enzyme Camptothecin Resistant. PLoS ONE, 2013, 8, e68404.	2.5	13
14	Mutation of Gly717Phe in human topoisomerase 1B has an effect on enzymatic function, reactivity to the camptothecin anticancer drug and on the linker domain orientation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 860-868.	2.3	11
15	Quantum dot based DNA nanosensors for amplification-free detection of human topoisomerase I. RSC Advances, 2014, 4, 2491-2494.	3.6	10
16	Topoisomerase IB: a relaxing enzyme for stressed DNA. , 2020, 3, 18-25.		7
17	Rolling circle amplification-based detection of human topoisomerase I activity on magnetic beads. Analytical Biochemistry, 2014, 451, 42-44.	2.4	6
18	In Vitro and In Silico Characterization of an Antimalarial Compound with Antitumor Activity Targeting Human DNA Topoisomerase IB. International Journal of Molecular Sciences, 2021, 22, 7455.	4.1	5

#	Article	IF	Citations
19	From Antarctica to cancer research: a novel human DNA topoisomerase 1B inhibitor from Antarctic sponge Dendrilla antarctica. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1404-1410.	5.2	5
20	Real-time analysis of cleavage and religation activity of human topoisomerase 1 based on ternary fluorescence resonance energy transfer DNA substrate. Archives of Biochemistry and Biophysics, 2018, 643, 1-6.	3.0	3
21	The human DNA topoisomerase I mutant Gly717Asp: Higher religation rate is not always associated with camptothecin resistance. Archives of Biochemistry and Biophysics, 2019, 663, 165-172.	3.0	1
22	Extraction of active enzymes from “hard-to-break-cells”: Evaluation by a RCA-based assay. , 2014, , .		0
23	Swapping of The N-Terminal Domain of Human Topoisomerase 1B with the Corresponding Counterpart Strongly Impairs Enzyme Activity. Reports of Biochemistry and Molecular Biology, 2020, 8, 366-375.	1.4	0