

Federico Iacovelli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48 papers	661 citations	15 h-index	23 g-index
56 ext. papers	913 ext. citations	5.7 avg, IF	4.05 L-index

#	Paper	IF	Citations
48	Lactoferrin as Antiviral Treatment in COVID-19 Management: Preliminary Evidence. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	10
47	AS1411 Aptamer Linked to DNA Nanostructures Diverts Its Traffic Inside Cancer Cells and Improves Its Therapeutic Efficacy. <i>Pharmaceutics</i> , 2021 , 13,	6.4	7
46	Natural Compounds as Therapeutic Agents: The Case of Human Topoisomerase IB. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
45	Reconstructing the Free Energy Profiles Describing the Switching Mechanism of a pH-Dependent DNA Nanodevice from ABMD Simulations. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4052	2.6	1
44	Genome-Wide Identification and Bioinformatics Characterization of Superoxide Dismutases in the Desiccation-Tolerant Cyanobacterium sp. CCME029. <i>Frontiers in Microbiology</i> , 2021 , 12, 660050	5.7	1
43	Lactoferrin Against SARS-CoV-2: and Evidences. <i>Frontiers in Pharmacology</i> , 2021 , 12, 666600	5.6	21
42	In Vitro and In Silico Characterization of an Antimalarial Compound with Antitumor Activity Targeting Human DNA Topoisomerase IB. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
41	Antifungal Effect of All- Retinoic Acid against <i>Aspergillus fumigatus</i> and in a Pulmonary Aspergillosis Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	6
40	Analysis of Four New <i>Enterococcus faecalis</i> Phages and Modeling of a Hyaluronidase Catalytic Domain from Saphexavirus. <i>Phage</i> , 2021 , 2, 131-141	1.8	1
39	Combined and selective miR-21 silencing and doxorubicin delivery in cancer cells using tailored DNA nanostructures. <i>Cell Death and Disease</i> , 2021 , 12, 7	9.8	6
38	Targeting the SARS-CoV-2 spike glycoprotein prefusion conformation: virtual screening and molecular dynamics simulations applied to the identification of potential fusion inhibitors. <i>Virus Research</i> , 2020 , 286, 198068	6.4	32
37	Frataxin deficiency induces lipid accumulation and affects thermogenesis in brown adipose tissue. <i>Cell Death and Disease</i> , 2020 , 11, 51	9.8	23
36	Topoisomerase IB: a relaxing enzyme for stressed DNA. 2020 , 3, 18-25		2
35	Quercetin pentaacetate inhibits in vitro human respiratory syncytial virus adhesion. <i>Virus Research</i> , 2020 , 276, 197805	6.4	20
34	Dynamical Behavior of the Human Ferroportin Homologue from : Insight into the Ligand Recognition Mechanism. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
33	Plant microRNAs from Regulate Immune Response and HIV Infection. <i>Frontiers in Pharmacology</i> , 2020 , 11, 620038	5.6	3
32	Adipocyte metabolism is improved by TNF receptor-targeting small RNAs identified from dried nuts. <i>Communications Biology</i> , 2019 , 2, 317	6.7	25

31	Potential of Curcumin in Skin Disorders. <i>Nutrients</i> , 2019 , 11,	6.7	41
30	Luteolin-7- β -D-Glucoside Inhibits Cellular Energy Production Interacting with HEK2 in Keratinocytes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
29	Probing the Functional Topology of a pH-Dependent Triple Helix DNA Nanoswitch Family through Gaussian Accelerated MD Simulation. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 2746-2752	6.1	2
28	Cellular uptake of covalent and non-covalent DNA nanostructures with different sizes and geometries. <i>Nanoscale</i> , 2019 , 11, 10808-10818	7.7	27
27	In Silico and In Cell Analysis of Openable DNA Nanocages for miRNA Silencing. <i>International Journal of Molecular Sciences</i> , 2019 , 21,	6.3	4
26	Antimicrobial properties of the medicinal plant <i>Cardiospermum halicacabum</i> L: new evidence and future perspectives. <i>European Review for Medical and Pharmacological Sciences</i> , 2019 , 23, 7135-7143	2.9	2
25	Selective targeting and degradation of doxorubicin-loaded folate-functionalized DNA nanocages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1181-1190	6	44
24	Design, selection and optimization of an anti-TRAIL-R2/anti-CD3 bispecific antibody able to educate T cells to recognize and destroy cancer cells. <i>MAbs</i> , 2018 , 10, 1084-1097	6.6	8
23	Succinic semialdehyde dehydrogenase deficiency: The combination of a novel ALDH5A1 gene mutation and a missense SNP strongly affects SSADH enzyme activity and stability. <i>Molecular Genetics and Metabolism</i> , 2018 , 124, 210-215	3.7	8
22	Antifungal activity of <i>L.</i> (Sapindaceae) against occurs through molecular interaction with fungal Hsp90. <i>Drug Design, Development and Therapy</i> , 2018 , 12, 2185-2193	4.4	10
21	Engineering a responsive DNA triple helix into an octahedral DNA nanostructure for a reversible opening/closing switching mechanism: a computational and experimental integrated study. <i>Nucleic Acids Research</i> , 2018 , 46, 9951-9959	20.1	12
20	A molecular dynamics simulation study decodes the early stage of the disassembly process abolishing the human SAMHD1 function. <i>Journal of Computer-Aided Molecular Design</i> , 2017 , 31, 497-505	4.2	3
19	Simulative and Experimental Characterization of a pH-Dependent Clamp-like DNA Triple-Helix Nanoswitch. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5321-5329	16.4	19
18	Ru/Fe bimetallic complexes: Synthesis, characterization, cytotoxicity and study of their interactions with DNA/HSA and human topoisomerase IB. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 636, 28-41	4.1	16
17	Multiple molecular dynamics simulations of human LOX-1 and Trp150Ala mutant reveal the structural determinants causing the full deactivation of the receptor. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017 , 85, 1902-1912	4.2	1
16	SSADH deficiency in an Italian family: a novel ALDH5A1 gene mutation affecting the succinic semialdehyde substrate binding site. <i>Metabolic Brain Disease</i> , 2017 , 32, 1383-1388	3.9	10
15	Intrinsic Dynamics Analysis of a DNA Octahedron by Elastic Network Model. <i>Molecules</i> , 2017 , 22,	4.8	7
14	Virtual Screening for the Development of Dual-Inhibitors Targeting Topoisomerase IB and Tyrosyl-DNA Phosphodiesterase 1. <i>Current Drug Targets</i> , 2017 , 18, 544-555	3	5

13	Structural modeling of altered CLCN1 conformation following a novel mutation in a patient affected by autosomal dominant myotonia congenita (Thomsen disease). <i>Archives Italiennes De Biologie</i> , 2017 , 155, 118-130	1.1	
12	Polymorphism in Mitochondrial Coding Regions of Mediterranean Loggerhead Turtles: Evolutionary Relevance and Structural Effects. <i>Physiological and Biochemical Zoology</i> , 2016 , 89, 473-486	2	8
11	Structural insights into the multi-determinant aggregation of TDP-43 in motor neuron-like cells. <i>Neurobiology of Disease</i> , 2016 , 94, 63-72	7.5	22
10	DNA hairpins promote temperature controlled cargo encapsulation in a truncated octahedral nanocage structure family. <i>Nanoscale</i> , 2016 , 8, 13333-41	7.7	23
9	Comparative simulative analysis of single and double stranded truncated octahedral DNA nanocages. <i>RSC Advances</i> , 2016 , 6, 35160-35166	3.7	11
8	A Simple and Fast Semiautomatic Procedure for the Atomistic Modeling of Complex DNA Polyhedra. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 941-9	6.1	16
7	Molecular mechanism of statin-mediated LOX-1 inhibition. <i>Cell Cycle</i> , 2015 , 14, 1583-95	4.7	24
6	Decoding the conformation-linked functional properties of nucleic acids by the use of computational tools. <i>FEBS Journal</i> , 2015 , 282, 3298-310	5.7	6
5	Influence of the single-strand linker composition on the structural/dynamical properties of a truncated octahedral DNA nano-cage family. <i>Biopolymers</i> , 2014 , 101, 992-9	2.2	12
4	A structural modeling approach for the understanding of initiation and elongation of ALS-linked superoxide dismutase fibrils. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3695-704	2	4
3	Temperature-controlled encapsulation and release of an active enzyme in the cavity of a self-assembled DNA nanocage. <i>ACS Nano</i> , 2013 , 7, 9724-34	16.7	113
2	Simulative and experimental investigation on the cleavage site that generates the soluble human LOX-1. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 540, 9-18	4.1	14
1	Lactoferrin as potential supplementary nutraceutical agent in COVID-19 patients: in vitro and in vivo preliminary evidences		9