

Enrico M Bucci

List of Publications by Citations

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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.

80
papers

2,469
citations

26
h-index

48
g-index

91
ext. papers

2,875
ext. citations

4.4
avg, IF

5.32
L-index

#	Paper	IF	Citations
80	Selection of D-amino-acid peptides that bind to Alzheimer's disease amyloid peptide abeta1-42 by mirror image phage display. <i>ChemBioChem</i> , 2003 , 4, 748-53	3.8	129
79	Vascular response to infusions of a nonextravasating hemoglobin polymer. <i>Journal of Applied Physiology</i> , 2002 , 93, 1479-86	3.7	125
78	The structure of the stemloop D subdomain of coxsackievirus B3 cloverleaf RNA and its interaction with the proteinase 3C. <i>Structure</i> , 2004 , 12, 237-48	5.2	55
77	Production and characteristics of an infusible oxygen-carrying fluid based on hemoglobin intramolecularly cross-linked with sebacic acid. <i>Translational Research</i> , 1996 , 128, 146-53		48
76	Determinants of the recognition of enteroviral cloverleaf RNA by coxsackievirus B3 proteinase 3C. <i>Rna</i> , 2002 , 8, 188-201	5.8	45
75	Fractal parameters and vascular networks: facts & artifacts. <i>Theoretical Biology and Medical Modelling</i> , 2008 , 5, 12	2.3	42
74	Haptoglobin binding to apolipoprotein A-I prevents damage from hydroxyl radicals on its stimulatory activity of the enzyme lecithin-cholesterol acyl-transferase. <i>Biochemistry</i> , 2007 , 46, 11158-68 ^{3,2}		41
73	BCG vaccination policy and preventive chloroquine usage: do they have an impact on COVID-19 pandemic?. <i>Cell Death and Disease</i> , 2020 , 11, 516	9.8	39
72	Haptoglobin binds apolipoprotein E and influences cholesterol esterification in the cerebrospinal fluid. <i>Journal of Neurochemistry</i> , 2009 , 110, 255-63	6	36
71	NMR structure of the single QALGGH zinc finger domain from the Arabidopsis thaliana SUPERMAN protein. <i>ChemBioChem</i> , 2003 , 4, 171-80	3.8	36
70	Zinc to cadmium replacement in the A. thaliana SUPERMAN Cys-His-zinc finger induces structural rearrangements of typical DNA base determinant positions. <i>Biopolymers</i> , 2011 , 95, 801-10	2.2	35
69	Data as a Service (DaaS) for Sharing and Processing of Large Data Collections in the Cloud 2013 ,		34
68	A new ferrocenemethyl-thymidine nucleoside: Synthesis, incorporation into oligonucleotides and optical spectroscopic studies on the resulting single strand, duplex and triplex structures. <i>Tetrahedron</i> , 1999 , 55, 14435-14450	2.4	32
67	Matrix-assisted laser desorption ionization imaging mass spectrometry detection of a magnetic resonance imaging contrast agent in mouse liver. <i>Analytical Chemistry</i> , 2009 , 81, 2779-84	7.8	31
66	Synthesis of 4-N-alkyl and ribose-modified AICAR analogues on solid support. <i>Tetrahedron</i> , 2008 , 64, 6475-6481	2.4	31
65	RNA-binding and viral reverse transcriptase inhibitory activity of a novel cationic diamino acid-based peptide. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 2095-101	8.3	30
64	Lymphocyte proteomics of Parkinson's disease patients reveals cytoskeletal protein dysregulation and oxidative stress. <i>Biomarkers in Medicine</i> , 2009 , 3, 117-28	2.3	29

63	Nucleobase-containing peptides: an overview of their characteristic features and applications. <i>Amino Acids</i> , 2010 , 39, 45-57	3.5	29
62	A new solid-phase synthesis of oligonucleotides 3Rconjugated with peptides. <i>Bioorganic and Medicinal Chemistry</i> , 1999 , 7, 395-400	3.4	28
61	Synthesis, biological evaluation and supramolecular assembly of novel analogues of peptidyl nucleosides. <i>Molecular BioSystems</i> , 2011 , 7, 1773-8		27
60	Alternate dab-aegPNAs: synthesis, nucleic acid binding studies and biological activity. <i>Molecular BioSystems</i> , 2010 , 6, 199-205		27
59	dabPNA: design, synthesis, and DNA binding studies. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1307-10	1.4	27
58	Dakin-West reaction on 1-thymynyl acetic acid for the synthesis of 1,3-bis(1-thymynyl)-2-propanone, a heteroaromatic compound with nucleopeptide-binding properties. <i>Amino Acids</i> , 2012 , 43, 1615-23	3.5	26
57	Evidences for supramolecular organization of nucleopeptides: synthesis, spectroscopic and biological studies of a novel dithymine L-serine tetrapeptide. <i>Molecular BioSystems</i> , 2011 , 7, 1073-80		26
56	Synthesis, characterization and hybridization studies of an alternate nucleo-epsilon/gamma-peptide: complexes formation with natural nucleic acids. <i>Amino Acids</i> , 2010 , 38, 103-11	3.5	26
55	The two dimeric forms of RNase A. <i>FEBS Letters</i> , 2000 , 466, 35-9	3.8	26
54	Parkinson's disease plasma biomarkers: an automated literature analysis followed by experimental validation. <i>Journal of Proteomics</i> , 2013 , 90, 107-14	3.9	25
53	G-quadruplex-forming oligonucleotide conjugated to magnetic nanoparticles: synthesis, characterization, and enzymatic stability assays. <i>Bioconjugate Chemistry</i> , 2012 , 23, 382-91	6.3	25
52	Synthesis, spectroscopic studies and biological activity of a novel nucleopeptide with Moloney murine leukemia virus reverse transcriptase inhibitory activity. <i>Amino Acids</i> , 2010 , 38, 1489-96	3.5	24
51	Synthesis, characterization and hybridization studies of new nucleo-gamma-peptides based on diamino-butyric acid. <i>Journal of Peptide Science</i> , 2006 , 12, 829-35	2.1	24
50	Development of zero-link polymers of hemoglobin, which do not extravasate and do not induce pressure increases upon infusion. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2007 , 35, 11-8		23
49	A meta-analysis of two-dimensional electrophoresis pattern of the Parkinson's disease-related protein DJ-1. <i>Bioinformatics</i> , 2010 , 26, 946-52	7.2	22
48	Solid phase synthesis and RNA-binding studies of a serum-resistant nucleo-epsilon-peptide. <i>Journal of Peptide Science</i> , 2009 , 15, 155-60	2.1	21
47	Human SOD1-G93A specific distribution evidenced in murine brain of a transgenic model for amyotrophic lateral sclerosis by MALDI imaging mass spectrometry. <i>Journal of Proteome Research</i> , 2014 , 13, 1800-9	5.6	20
46	Image Analysis Workflow for 2-D Electrophoresis Gels Based on ImageJ. <i>Proteomics Insights</i> , 2011 , 4, PRI.S7971	1.5	19

45	Xylella fastidiosa, a new plant pathogen that threatens global farming: Ecology, molecular biology, search for remedies. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 502, 173-182	3.4	18
44	Self-efficacy for Coping Moderates the Effects of Distress on Quality of Life in Palliative Cancer Care. <i>Anticancer Research</i> , 2017 , 37, 1609-1615	2.3	18
43	DNA-based strategies for blocking HMGB1 cytokine activity: design, synthesis and preliminary in vitro/in vivo assays of DNA and DNA-like duplexes. <i>Molecular BioSystems</i> , 2011 , 7, 1742-52		15
42	On the thermal stability of the two dimeric forms of ribonuclease A. <i>Biophysical Chemistry</i> , 2005 , 116, 89-95	3.5	15
41	P53-regulated miR-320a targets PDL1 and is downregulated in malignant mesothelioma. <i>Cell Death and Disease</i> , 2020 , 11, 748	9.8	15
40	Synthesis of a l-lysine-based alternate alpha,epsilon-peptide: a novel linear polycation with nucleic acids-binding ability. <i>International Journal of Pharmaceutics</i> , 2010 , 397, 179-83	6.5	14
39	Computational procedures to explain the different biological activity of DNA/DNA, DNA/PNA and PNA/PNA hybrid molecules mimicking NF-kappaB binding sites. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000 , 18, 353-62	3.6	14
38	Truncated RAF kinases drive resistance to MET inhibition in MET-addicted cancer cells. <i>Oncotarget</i> , 2015 , 6, 221-33	3.3	14
37	Synthesis of a novel Fmoc-protected nucleoaminoacid for the solid phase assembly of 4-piperidyl glycine/L-arginine-containing nucleopeptides and preliminary RNA: interaction studies. <i>Amino Acids</i> , 2010 , 39, 795-800	3.5	13
36	Gene expression profiling of HGF/Met activation in neonatal mouse heart. <i>Transgenic Research</i> , 2013 , 22, 579-93	3.3	12
35	Coronavirus 2019 Infectious Disease Epidemic: Where We Are, What Can Be Done and Hope For. <i>Journal of Thoracic Oncology</i> , 2021 , 16, 546-571	8.9	12
34	Adipyl crosslinked bovine hemoglobins as new models of allosteric systems 2000 , 39, 166-169		11
33	Bovine hemoglobin as a basis for artificial oxygen carriers. <i>Biomaterials, Artificial Cells, and Artificial Organs</i> , 1988 , 16, 197-204		11
32	Quantitative determination of haptoglobin glycoform variants in psoriasis. <i>Biological Chemistry</i> , 2010 , 391, 1429-39	4.5	10
31	Thermodynamic approach to oxygen delivery in vivo by natural and artificial oxygen carriers. <i>Biophysical Chemistry</i> , 2009 , 142, 1-6	3.5	9
30	New synthesis of PNA-3DNA linker monomers, useful building blocks to obtain PNA/DNA chimeras. <i>Biopolymers</i> , 2004 , 76, 535-42	2.2	9
29	Automatic detection of image manipulations in the biomedical literature. <i>Cell Death and Disease</i> , 2018 , 9, 400	9.8	7
28	A novel Gaussian extrapolation approach for 2D gel electrophoresis saturated protein spots. <i>Genomics, Proteomics and Bioinformatics</i> , 2012 , 10, 336-44	6.5	7

27	Synthesis of a diamino-propanoic acid-based nucleoamino acid and assembly of cationic nucleopeptides for biomedical applications. <i>Amino Acids</i> , 2012 , 43, 2537-43	3.5	7
26	Changes in the two-dimensional electrophoresis pattern of the Parkinson's disease related protein DJ-1 in human SH-SY5Y neuroblastoma cells after dopamine treatment. <i>IUBMB Life</i> , 2010 , 62, 688-92	4.7	7
25	Basic science offers a challenge for developing hemoglobin based oxygen carriers into therapeutic agents. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2011 , 39, 206-13		6
24	Evidences for complex formation between L-dabPNA and aegPNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 4757-60	2.9	6
23	Bent oligonucleotide duplexes as HMGB1 inhibitors: a comparative study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1447-50	1.4	6
22	Blood screening for heavy metals and organic pollutants in cancer patients exposed to toxic waste in southern Italy: A pilot study. <i>Journal of Cellular Physiology</i> , 2020 , 235, 5213-5222	7	6
21	Repurposing the estrogen receptor modulator raloxifene to treat SARS-CoV-2 infection. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	6
20	Synthesis and aggregation properties of a novel enzymatically resistant nucleoamino acid. <i>Amino Acids</i> , 2012 , 43, 1465-70	3.5	5
19	iMole, a web based image retrieval system from biomedical literature. <i>Electrophoresis</i> , 2013 , 34, 1965-8	3.6	5
18	ODN-based drugs for targeting of extracellular proteins. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1047-50	1.4	5
17	Genomic analysis reveals association of specific SNPs with athletic performance and susceptibility to injuries in professional soccer players. <i>Journal of Cellular Physiology</i> , 2020 , 235, 2139-2148	7	5
16	Synthesis and characterization of a novel ester-based nucleoamino acid for the assembly of aromatic nucleopeptides for biomedical applications. <i>International Journal of Pharmaceutics</i> , 2011 , 415, 206-10	6.5	4
15	Evidences of complex formation between DABA-based nucleo-gamma-peptides with alternate configuration backbone. <i>Journal of Peptide Science</i> , 2009 , 15, 147-54	2.1	4
14	Preliminary studies on noncovalent hyperbranched polymers based on PNA and DNA building blocks. <i>Journal of Peptide Science</i> , 2009 , 15, 647-53	2.1	4
13	Hemoglobin tetramers stabilized with polyaspirins. <i>Biomaterials, Artificial Cells, and Immobilization Biotechnology: Official Journal of the International Society for Artificial Cells and Immobilization Biotechnology</i> , 1992 , 20, 243-52		3
12	Nanotechnology and Life: An Engineer's Perspective [Point of View]. <i>Proceedings of the IEEE</i> , 2014 , 102, 930-935	14.3	2
11	Hairpin ODN-based ligands as potential inhibitors of HMGB1 cytokine activity. <i>RSC Advances</i> , 2013 , 3, 12176	3.7	2
10	Free energy changes and components implicit in the MWC allosteric model for the cooperative oxygen binding of hemoglobin. <i>Biochemistry</i> , 2013 , 52, 4149-56	3.2	2

9	Analysis and Design of Magnetically Driven Nanomachines. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 1131-1140	2.6	2
8	Thermodynamic studies on PNA and PNA/DNA dendrimer formation. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007 , 26, 1173-6	1.4	2
7	Alice in "Bio-Land": Engineering Challenges in the World of Life Sciences. <i>IT Professional</i> , 2014 , 16, 38-47	1.9	1
6	A short PNA targeting coxsackievirus B3 5' nontranslated region prevents virus-induced cytolysis. <i>Journal of Peptide Science</i> , 2006 , 12, 161-70	2.1	1
5	Synthetic peptides mimicking the interleukin-6/gp130 interaction: a two-helix bundle system. Design and conformational studies. <i>Journal of Peptide Science</i> , 2003 , 9, 90-105	2.1	1
4	Evidence Regarding Some Pharmacologic Characteristics of Hemoglobin-Based Oxygen Carriers. <i>Regenerative Medicine, Artificial Cells and Nanomedicine</i> , 2013 , 91-98		1
3	Effectiveness of the monitoring of <i>X. fastidiosa</i> subsp. <i>pauca</i> in the olive orchards of Southern Italy (Apulia). <i>Rendiconti Lincei</i> , 2019 , 30, 681-688	1.7	0
2	Oxygen Delivery by Natural and Artificial Oxygen Carriers 2011 , 317-325		
1	Look for methods, not conclusions. <i>Cell Death and Disease</i> , 2019 , 10, 931	9.8	