

# Enrico M Bucci

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

3,154  
citations

201575

27  
h-index

168321

53  
g-index

91  
all docs

91  
docs citations

91  
times ranked

5863  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 infection: the perspectives on immune responses. <i>Cell Death and Differentiation</i> , 2020, 27, 1451-1454.	5.0	1,217
2	Selection of D-Amino-Acid Peptides That Bind to Alzheimer's Disease Amyloid Peptide A $\beta$ 2142 by Mirror Image Phage Display. <i>ChemBioChem</i> , 2003, 4, 748-753.	1.3	154
3	Vascular response to infusions of a nonextravasating hemoglobin polymer. <i>Journal of Applied Physiology</i> , 2002, 93, 1479-1486.	1.2	134
4	The Structure of the Stemloop D Subdomain of Coxsackievirus B3 Cloverleaf RNA and Its Interaction with the Proteinase 3C. <i>Structure</i> , 2004, 12, 237-248.	1.6	64
5	Production and characteristics of an infusible oxygen-carrying fluid based on hemoglobin intramolecularly cross-linked with sebacic acid. <i>Translational Research</i> , 1996, 128, 146-153.	2.4	53
6	Data as a Service (DaaS) for Sharing and Processing of Large Data Collections in the Cloud. , 2013, , .		51
7	Determinants of the recognition of enteroviral cloverleaf RNA by coxsackievirus B3 proteinase 3C. <i>Rna</i> , 2002, 8, 188-201.	1.6	50
8	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.	2.7	49
9	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, 11158-11168.	1.2	46
10	Fractal parameters and vascular networks: facts & artifacts. <i>Theoretical Biology and Medical Modelling</i> , 2008, 5, 12.	2.1	46
11	Haptoglobin binds apolipoprotein E and influences cholesterol esterification in the cerebrospinal fluid. <i>Journal of Neurochemistry</i> , 2009, 110, 255-263.	2.1	41
12	NMR Structure of the Single QALGGH Zinc Finger Domain from the Arabidopsis thaliana SUPERMAN Protein. <i>ChemBioChem</i> , 2003, 4, 171-180.	1.3	40
13	Zinc to cadmium replacement in the <i>A. thaliana</i> SUPERMAN Cys <sub>2</sub> His <sub>2</sub> zinc finger induces structural rearrangements of typical DNA base determinant positions. <i>Biopolymers</i> , 2011, 95, 801-810.	1.2	38
14	Repurposing the estrogen receptor modulator raloxifene to treat SARS-CoV-2 infection. <i>Cell Death and Differentiation</i> , 2022, 29, 156-166.	5.0	38
15	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.	1.0	37
16	Nucleobase-containing peptides: an overview of their characteristic features and applications. <i>Amino Acids</i> , 2010, 39, 45-57.	1.2	36
17	Synthesis of 4-N-alkyl and ribose-modified AICAR analogues on solid support. <i>Tetrahedron</i> , 2008, 64, 6475-6481.	1.0	34
18	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, 2779-2784.	3.2	34

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19	RNA-Binding and Viral Reverse Transcriptase Inhibitory Activity of a Novel Cationic Diamino Acid-Based Peptide. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2095-2101.	2.9	34
20	A new solid-phase synthesis of oligonucleotides 3' conjugated with peptides. <i>Bioorganic and Medicinal Chemistry</i> , 1999, 7, 395-400.	1.4	32
21	Dakin-West reaction on 1-thymine acetic acid for the synthesis of 1,3-bis(1-thymine)-2-propanone, a heteroaromatic compound with nucleopeptide-binding properties. <i>Amino Acids</i> , 2012, 43, 1615-1623.	1.2	32
22	Lymphocyte proteomics of Parkinson's disease patients reveals cytoskeletal protein dysregulation and oxidative stress. <i>Biomarkers in Medicine</i> , 2009, 3, 117-128.	0.6	30
23	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.	2.9	30
24	dabPna: Design, Synthesis, And Dna Binding Studies. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1307-1310.	0.4	29
25	Synthesis, biological evaluation and supramolecular assembly of novel analogues of peptidyl nucleosides. <i>Molecular BioSystems</i> , 2011, 7, 1773.	2.9	29
26	Alternate dab-aegPNAs: synthesis, nucleic acid binding studies and biological activity. <i>Molecular BioSystems</i> , 2009, 6, 199-205.	2.9	28
27	Synthesis, characterization and hybridization studies of an alternate nucleoside-peptide: complexes formation with natural nucleic acids. <i>Amino Acids</i> , 2010, 38, 103-111.	1.2	28
28	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, 1489-1496.	1.2	28
29	Parkinson's disease plasma biomarkers: An automated literature analysis followed by experimental validation. <i>Journal of Proteomics</i> , 2013, 90, 107-114.	1.2	28
30	<i>Xylella fastidiosa</i> , 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.	1.0	28
31	G-Quadruplex-Forming Oligonucleotide Conjugated to Magnetic Nanoparticles: Synthesis, Characterization, and Enzymatic Stability Assays. <i>Bioconjugate Chemistry</i> , 2012, 23, 382-391.	1.8	27
32	P53-regulated miR-320a targets PDL1 and is downregulated in malignant mesothelioma. <i>Cell Death and Disease</i> , 2020, 11, 748.	2.7	27
33	The two dimeric forms of RNase A. <i>FEBS Letters</i> , 2000, 466, 35-39.	1.3	26
34	Synthesis, characterization and hybridization studies of new nucleoside-peptides based on diamino butyric acid. <i>Journal of Peptide Science</i> , 2006, 12, 829-835.	0.8	26
35	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, 11-18.	0.9	26
36	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.	0.5	26

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37	Solid phase synthesis and RNA-binding studies of a serum-resistant nucleoside-peptide. <i>Journal of Peptide Science</i> , 2009, 15, 155-160.	0.8	25
38	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.	0.5	25
39	Automatic detection of image manipulations in the biomedical literature. <i>Cell Death and Disease</i> , 2018, 9, 400.	2.7	24
40	Coronaviruses: Facts, Myths, and Hypotheses. <i>Journal of Thoracic Oncology</i> , 2020, 15, 675-678.	0.5	24
41	A meta-analysis of two-dimensional electrophoresis pattern of the Parkinson's disease-related protein DJ-1. <i>Bioinformatics</i> , 2010, 26, 946-952.	1.8	23
42	Image Analysis Workflow for 2-D Electrophoresis Gels Based on ImageJ. <i>Proteomics Insights</i> , 2011, 4, PRI.S7971.	2.0	22
43	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, 1800-1809.	1.8	21
44	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.	2.9	20
45	Truncated RAF kinases drive resistance to MET inhibition in MET-addicted cancer cells. <i>Oncotarget</i> , 2015, 6, 221-233.	0.8	18
46	Computational Procedures to Explain the Different Biological Activity of DNA/DNA, DNA/PNA and PNA/PNA Hybrid Molecules Mimicking NF- $\kappa$ B Binding Sites. <i>Journal of Biomolecular Structure and Dynamics</i> , 2000, 18, 353-362.	2.0	15
47	On the thermal stability of the two dimeric forms of ribonuclease A. <i>Biophysical Chemistry</i> , 2005, 116, 89-95.	1.5	15
48	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, 179-183.	2.6	15
49	Synthesis of a novel Fmoc-protected nucleoside 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.	1.2	14
50	Quantitative determination of haptoglobin glycoform variants in psoriasis. <i>Biological Chemistry</i> , 2010, 391, 1429-39.	1.2	14
51	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.	2.0	14
52	Adipyl crosslinked bovine hemoglobins as new models of allosteric systems. , 2000, 39, 166-169.		12
53	Gene expression profiling of HGF/Met activation in neonatal mouse heart. <i>Transgenic Research</i> , 2013, 22, 579-593.	1.3	12
54	Bovine Hemoglobin as a Basis for Artificial Oxygen Carriers. <i>Biomaterials, Artificial Cells, and Artificial Organs</i> , 1988, 16, 197-204.	0.2	11

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55	New synthesis of PNA-3'DNA linker monomers, useful building blocks to obtain PNA/DNA chimeras. <i>Biopolymers</i> , 2004, 76, 535-542.	1.2	11
56	A Novel Gaussian Extrapolation Approach for 2D Gel Electrophoresis Saturated Protein Spots. <i>Genomics, Proteomics and Bioinformatics</i> , 2012, 10, 336-344.	3.0	11
57	Thermodynamic approach to oxygen delivery in vivo by natural and artificial oxygen carriers. <i>Biophysical Chemistry</i> , 2009, 142, 1-6.	1.5	10
58	Bent Oligonucleotide Duplexes as HMGB1 Inhibitors: a Comparative Study. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1447-1450.	0.4	9
59	On zombie papers. <i>Cell Death and Disease</i> , 2019, 10, 189.	2.7	9
60	Characterization of raloxifene as a potential pharmacological agent against SARS-CoV-2 and its variants. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	9
61	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, 688-692.	1.5	8
62	Basic Science Offers a Challenge for Developing Hemoglobin Based Oxygen Carriers into Therapeutic Agents. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2011, 39, 206-213.	0.9	8
63	Evidences for complex formation between l-dabPNA and aegPNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4757-4760.	1.0	7
64	Synthesis of a diamino-propanoic acid-based nucleoamino acid and assembly of cationic nucleopeptides for biomedical applications. <i>Amino Acids</i> , 2012, 43, 2537-2543.	1.2	7
65	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.	2.0	7
66	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, 206-210.	2.6	6
67	Synthesis and aggregation properties of a novel enzymatically resistant nucleoamino acid. <i>Amino Acids</i> , 2012, 43, 1465-1470.	1.2	6
68	ODN-Based Drugs for Targeting of Extracellular Proteins. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1047-1050.	0.4	5
69	iMole, a web based image retrieval system from biomedical literature. <i>Electrophoresis</i> , 2013, 34, 1965-1968.	1.3	5
70	Hemoglobin Tetraners 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, 243-252.	0.2	4
71	Evidences of complex formation between DABA-based nucleo- $\beta$ -peptides with alternate configuration backbone. <i>Journal of Peptide Science</i> , 2009, 15, 147-154.	0.8	4
72	Preliminary studies on noncovalent hyperbranched polymers based on PNA and DNA building blocks. <i>Journal of Peptide Science</i> , 2009, 15, 647-653.	0.8	4

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73	Hairpin ODN-based ligands as potential inhibitors of HMGB1 cytokine activity. RSC Advances, 2013, 3, 12176.	1.7	4
74	HEMOGLOBIN BASED OXYGEN CARRIERS AT A CROSS ROAD: THE OLD PARADIGMS MUST BE ABANDONED AND MUCH MORE BASIC SCIENCE INVESTIGATION IS NECESSARY. Artificial Cells, Blood Substitutes, and Biotechnology, 2001, 29, vii-x.	0.9	3
75	Analysis and Design of Magnetically Driven Nanomachines. IEEE Nanotechnology Magazine, 2011, 10, 1131-1140.	1.1	3
76	Free Energy Changes and Components Implicit in the MWC Allosteric Model for the Cooperative Oxygen Binding of Hemoglobin. Biochemistry, 2013, 52, 4149-4156.	1.2	3
77	Thermodynamic Studies on PNA and PNA/DNA Dendrimer Formation. Nucleosides, Nucleotides and Nucleic Acids, 2007, 26, 1173-1176.	0.4	2
78	Nanotechnology and Life: An Engineer's Perspective [Point of View]. Proceedings of the IEEE, 2014, 102, 930-935.	16.4	2
79	Synthetic peptides mimicking the interleukin-6/gp 130 interaction: a two-helix bundle system. Design and conformational studies. Journal of Peptide Science, 2003, 9, 90-105.	0.8	1
80	A short PNA targeting coxsackievirus B3 5' nontranslated region prevents virus-induced cytolysis. Journal of Peptide Science, 2006, 12, 161-170.	0.8	1
81	Alice in "Bio-Land": Engineering Challenges in the World of Life Sciences. IT Professional, 2014, 16, 38-47.	1.4	1
82	Effectiveness of the monitoring of X. fastidiosa subsp. pauca in the olive orchards of Southern Italy (Apulia). Rendiconti Lincei, 2019, 30, 681-688.	1.0	1
83	Look for methods, not conclusions. Cell Death and Disease, 2019, 10, 931.	2.7	1
84	Evidence Regarding Some Pharmacologic Characteristics of Hemoglobin-Based Oxygen Carriers. Regenerative Medicine, Artificial Cells and Nanomedicine, 2013, , 91-98.	0.7	1
85	Structure of an RNA Involved in Enteroviral Replication. , 0, 2002, .		0