

# Bernard Cuenoud

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/57481/publications.pdf>

Version: 2024-02-01

37  
papers

2,015  
citations

279798

23  
h-index

345221

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1708  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A DNA metalloenzyme with DNA ligase activity. <i>Nature</i> , 1995, 375, 611-614.   | 27.8 | 424       |
| 2  | In Vitro and in Vivo Pharmacological Characterization of 5-[(R)-2-(5,6-Diethyl-indan-2-ylamino)-1-hydroxy-ethyl]-8-hydroxy-1H-quinolin-2-one (Indacaterol), a Novel Inhaled $\beta_2$ Adrenoceptor Agonist with a 24-h Duration of Action. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 762-770. | 2.5  | 155       |
| 3  | Dual Recognition of Double-Stranded DNA by 2'-Aminoethoxy-Modified Oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1288-1291.  | 13.8 | 131       |
| 4  | Site-specific cleavage of the protein calmodulin using a trifluoperazine-based affinity reagent. <i>Journal of the American Chemical Society</i> , 1990, 112, 3247-3249.  | 13.7 | 127       |
| 5  | A ketogenic drink improves cognition in mild cognitive impairment: Results of a 6-month RCT. <i>Alzheimer's and Dementia</i> , 2021, 17, 543-552.   | 0.8  | 92        |
| 6  | The Identification of Indacaterol as an Ultralong-Acting Inhaled $\beta_2$ -Adrenoceptor Agonist. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3675-3684.  | 6.4  | 90        |
| 7  | Lipid membrane interactions of indacaterol and salmeterol: Do they influence their pharmacological properties?. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 533-547.   | 4.0  | 84        |
| 8  | A new strategy for directed protein cleavage. <i>Tetrahedron Letters</i> , 1992, 33, 895-898.   | 1.4  | 78        |
| 9  | Dual Recognition of Double-Stranded DNA by 2'-Aminoethoxy-Modified Oligonucleotides: The Solution Structure of an Intramolecular Triplex Obtained by NMR Spectroscopy. <i>Biochemistry</i> , 1998, 37, 17714-17725.   | 2.5  | 67        |
| 10 | Nutritional Ketosis Increases NAD <sup>+</sup> /NADH Ratio in Healthy Human Brain: An in Vivo Study by 31P-MRS. <i>Frontiers in Nutrition</i> , 2018, 5, 62.  | 3.7  | 62        |
| 11 | Cell Cycle Modulation of Gene Targeting by a Triple Helix-forming Oligonucleotide. <i>Journal of Biological Chemistry</i> , 2003, 278, 11072-11077.   | 3.4  | 58        |
| 12 | Minimum Number of 2'-O-(2-Aminoethyl) Residues Required for Gene Knockout Activity by Triple Helix Forming Oligonucleotides. <i>Biochemistry</i> , 2002, 41, 7716-7724.   | 2.5  | 49        |
| 13 | Development of isoform selective PI3-kinase inhibitors as pharmacological tools for elucidating the PI3K pathway. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5445-5450.  | 2.2  | 46        |
| 14 | Targeted Gene Knockout by 2'-O-Aminoethyl Modified Triplex Forming Oligonucleotides. <i>Journal of Biological Chemistry</i> , 2001, 276, 28991-28998.   | 3.4  | 44        |
| 15 | Metabolism of Exogenous D-Beta-Hydroxybutyrate, an Energy Substrate Avidly Consumed by the Heart and Kidney. <i>Frontiers in Nutrition</i> , 2020, 7, 13.   | 3.7  | 44        |
| 16 | Importance of Clustered 2'-O-(2-Aminoethyl) Residues for the Gene Targeting Activity of Triple Helix-Forming Oligonucleotides. <i>Biochemistry</i> , 2004, 43, 1343-1351.   | 2.5  | 43        |
| 17 | DNA Bending and Binding by Metallo-Zipper Models of bZIP Proteins. <i>Journal of the American Chemical Society</i> , 1995, 117, 8899-8907.  | 13.7 | 39        |
| 18 | Targeted Gene Knock In and Sequence Modulation Mediated by a Psoralen-linked Triplex-forming Oligonucleotide*. <i>Journal of Biological Chemistry</i> , 2008, 283, 11244-11252.   | 3.4  | 39        |

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|----|---|------|-----------|
| 19 | Targeted Cross-linking of the Human $\beta$ -Globin Gene in Living Cells Mediated by a Triple Helix Forming Oligonucleotide. <i>Biochemistry</i> , 2006, 45, 1970-1978.   | 2.5  | 36        |
| 20 | Modulation of cerebral ketone metabolism following traumatic brain injury in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 177-186.  | 4.3  | 35        |
| 21 | The Development of Bioactive Triple Helix-Forming Oligonucleotides. <i>Annals of the New York Academy of Sciences</i> , 2005, 1058, 119-127.  | 3.8  | 29        |
| 22 | Determination of Aliphatic Side-Chain Conformation Using Cross-Correlated Relaxation: Application to an Extraordinarily Stable 2'-aminoethoxy-Modified Oligonucleotide Triplex. <i>Journal of the American Chemical Society</i> , 2001, 123, 7364-7370. | 13.7 | 26        |
| 23 | Extensive Sugar Modification Improves Triple Helix Forming Oligonucleotide Activity in Vitro but Reduces Activity in Vivo. <i>Biochemistry</i> , 2007, 46, 10222-10233.   | 2.5  | 26        |
| 24 | Medium Chain Triglycerides Modulate the Ketogenic Effect of a Metabolic Switch. <i>Frontiers in Nutrition</i> , 2020, 7, 3.   | 3.7  | 25        |
| 25 | Inhibition of Interleukin-4- and CD40-induced IgE Germline Gene Promoter Activity by 2'-Aminoethoxy-modified Triplex-forming Oligonucleotides. <i>Journal of Biological Chemistry</i> , 2001, 276, 11759-11765.   | 3.4  | 23        |
| 26 | Brain NAD Is Associated With ATP Energy Production and Membrane Phospholipid Turnover in Humans. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 609517.   | 3.4  | 23        |
| 27 | Synthesis and hybridization properties of polyamide based nucleic acid analogues incorporating pyrrolidine-derived nucleobase amino acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 929-933.                                       | 2.2  | 18        |
| 28 | Discovery and validation of temporal patterns involved in human brain ketometabolism in cerebral microdialysis fluids of traumatic brain injury patients. <i>EBioMedicine</i> , 2019, 44, 607-617.  | 6.1  | 17        |
| 29 | A ketogenic supplement improves white matter energy supply and processing speed in mild cognitive impairment. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2021, 7, e12217.                                     | 3.7  | 16        |
| 30 | Gene Targeting by Triple Helix-Forming Oligonucleotides. <i>Annals of the New York Academy of Sciences</i> , 2003, 1002, 141-153.   | 3.8  | 14        |
| 31 | Effects of interesterified lipid design on the short/medium chain fatty acid hydrolysis rate and extent ( <i>in vitro</i> ). <i>Food and Function</i> , 2019, 10, 4166-4176.  | 4.6  | 14        |
| 32 | Interaction kinetics of salmeterol with egg phosphatidylcholine liposomes by surface plasmon resonance. <i>Analytical Biochemistry</i> , 2009, 385, 215-223.  | 2.4  | 12        |
| 33 | Monoacylglycerol Form of Omega-3s Improves Its Bioavailability in Humans Compared to Other Forms. <i>Nutrients</i> , 2020, 12, 1014.  | 4.1  | 12        |
| 34 | Synthesis of N- $\beta$ -Boc-N- $\mu$ -tribenzyl EDTA-L-lysine. An amino acid analogue suitable for solid phase peptide synthesis. <i>Tetrahedron</i> , 1991, 47, 2535-2542.  | 1.9  | 9         |
| 35 | A general scheme for incorporating nonnatural functionality into peptides. <i>Tetrahedron Letters</i> , 1991, 32, 3325-3328.  | 1.4  | 6         |
| 36 | Nutrient pattern analysis in critically ill patients using Omics technology (NACHO) – Study protocol for a prospective observational study. <i>Medicine (United States)</i> , 2019, 98, e13937.   | 1.0  | 1         |

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|----|---|-----|-----------|
| 37 | Improved brain energetics and cognition after a 6-month ketogenic intervention in mild cognitive impairment: Final results of the Benefic Trial. <i>Alzheimer's and Dementia</i> , 2020, 16, e037961. | 0.8 | 0         |