

# Dimitra Benaki

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

629  
citations

567144

15  
h-index

642610

23  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1046  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Solution structure of humanin, a peptide against Alzheimer's disease-related neurotoxicity. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 152-160.   | 1.0 | 53        |
| 2  | Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. <i>Aging Cell</i> , 2019, 18, e12845.  | 3.0 | 53        |
| 3  | The multiple T-maze in vivo testing of the neuroprotective effect of humanin analogues. <i>Peptides</i> , 2008, 29, 1982-1987.   | 1.2 | 40        |
| 4  | <i>Aestivation</i> motifs explain hypertension and muscle mass loss in mice with psoriatic skin barrier defect. <i>Acta Physiologica</i> , 2021, 232, e13628.  | 1.8 | 39        |
| 5  | Urine metabolomics in neonates with late-onset sepsis in a case-control study. <i>Scientific Reports</i> , 2017, 7, 45506.   | 1.6 | 37        |
| 6  | NMR metabolic profiling of Greek propolis samples: Comparative evaluation of their phytochemical compositions and investigation of their anti-ageing and antioxidant properties. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113814. | 1.4 | 28        |
| 7  | Solution structure of Ser14Gly-humanin, a potent rescue factor against neuronal cell death in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 634-642.  | 1.0 | 23        |
| 8  | The Natural Olive Constituent Oleuropein Induces Nutritional Cardioprotection in Normal and Cholesterol-Fed Rabbits: Comparison with Preconditioning. <i>Planta Medica</i> , 2015, 81, 655-663.  | 0.7 | 20        |
| 9  | Heterocovariance Based Metabolomics as a Powerful Tool Accelerating Bioactive Natural Product Identification. <i>ChemistrySelect</i> , 2016, 1, 2531-2535.   | 0.7 | 20        |
| 10 | A pilot case-control study of urine metabolomics in preterm neonates with necrotizing enterocolitis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1117, 10-21.                                      | 1.2 | 19        |
| 11 | Utilization of nanobiotechnology in haemodialysis: mock-dialysis experiments on homocysteine. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 3234-3239.  | 0.4 | 18        |
| 12 | Structural Assessment and Biological Evaluation of Two N <sub>3</sub> S Bombesin Derivatives. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 4234-4246.   | 2.9 | 18        |
| 13 | Human Melanoma-Cell Metabolic Profiling: Identification of Novel Biomarkers Indicating Metastasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2436.  | 1.8 | 18        |
| 14 | High-Resolution NMR Spectroscopy of the Î <sup>2</sup> -Amyloid(1â€“28) Fibril Typical for Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3603.   | 7.2 | 17        |
| 15 | Design and synthesis of purine analogues as highly specific ligands for FcyB, a ubiquitous fungal nucleobase transporter. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5941-5952.   | 1.4 | 16        |
| 16 | Could multivariate statistics exploit HPTLC and NMR data to reveal bioactive compounds? The case of <i>Paeonia mascula</i> . <i>Phytochemistry Letters</i> , 2017, 20, 379-385.  | 0.6 | 14        |
| 17 | Alteration in the liver metabolome of rats with metabolic syndrome after treatment with Hydroxytyrosol. A Mass Spectrometry And Nuclear Magnetic Resonance - based metabolomics study. <i>Talanta</i> , 2018, 178, 246-257.                                    | 2.9 | 14        |
| 18 | <i>Glycyrrhiza glabra</i>-Enhanced Extract and Adriamycin Antiproliferative Effect on PC-3 Prostate Cancer Cells. <i>Nutrition and Cancer</i> , 2020, 72, 320-332.   | 0.9 | 14        |

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|----|---|-----|-----------|
| 19 | Plasma Metabolomic Alterations Induced by COVID-19 Vaccination Reveal Putative Biomarkers Reflecting the Immune Response. <i>Cells</i> , 2022, 11, 1241.  | 1.8 | 14        |
| 20 | Silymarin Enriched Extract ( <i>Silybum marianum</i> ) Additive Effect on Doxorubicin-Mediated Cytotoxicity in PC-3 Prostate Cancer Cells. <i>Planta Medica</i> , 2019, 85, 997-1007.   | 0.7 | 12        |
| 21 | Efficient identification of Acetylcholinesterase and Hyaluronidase inhibitors from <i>Paeonia parnassica</i> extracts through a HeteroCovariance Approach. <i>Journal of Ethnopharmacology</i> , 2020, 257, 111547.                                   | 2.0 | 12        |
| 22 | Synthesis and structural characterization of neutral $\text{Co}^{3+}$ -oxorhenium and oxotechnetium complexes of the 2-mercaptoethyl-N-glycine (SNO)/2,2'-bipyridine (NN) mixed ligand system. <i>Inorganica Chimica Acta</i> , 2007, 360, 3597-3602. | 1.2 | 11        |
| 23 | Synthesis of 1,2-annulated adamantane heterocycles: structural determination studies of a bioactive cyclic sulfite. <i>Tetrahedron Letters</i> , 2009, 50, 2671-2675.   | 0.7 | 11        |
| 24 | Detection of interactions of the $\beta$ -amyloid peptide with small molecules employing transferred NOEs. <i>Journal of Peptide Science</i> , 2009, 15, 435-441.   | 0.8 | 10        |
| 25 | Photostabilization of oxolinic acid in hydroxypropyl- $\beta$ -cyclodextrins; implications for the effect of molecular self-assembly phenomena. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 289-297.                  | 1.6 | 9         |
| 26 | Oleuropein is a Powerful Sensitizer of Doxorubicin-mediated Killing of Prostate Cancer Cells and Exerts Its Action via Induction of Autophagy. <i>Journal of Cancer Research and Treatment</i> , 2018, 4, 61-68.                                      | 0.6 | 9         |
| 27 | Structural Study by NMR of an Oxorhenium <sup>III</sup> RGD Decapeptide Complex for Application in Radiotherapy. <i>Inorganic Chemistry</i> , 2004, 43, 5598-5602.  | 1.9 | 8         |
| 28 | The effect of $\beta$ -cyclodextrin on tenoxicam photostability, studied by a new liquid chromatography method; the dependence on drug dimerisation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 141-146.             | 1.6 | 8         |
| 29 | Nanobiotechnology for the Prevention of Dialysis-related Amyloidosis. <i>Therapeutic Apheresis and Dialysis</i> , 2009, 13, 34-41.  | 0.4 | 8         |
| 30 | Effects of lifelong exercise and aging on the blood metabolic fingerprint of rats. <i>Biogerontology</i> , 2020, 21, 577-591.   | 2.0 | 8         |
| 31 | Malignancy Grade-Dependent Mapping of Metabolic Landscapes in Human Urothelial Bladder Cancer: Identification of Novel, Diagnostic, and Druggable Biomarkers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1892.                    | 1.8 | 7         |
| 32 | 2,2':6''-Terpyridine[hydroxypropyl- $\beta$ -cyclodextrin] 1:3 complex used as chelating agent for the determination of iron with a sensitive, selective and fast liquid chromatographic method. <i>Analytica Chimica Acta</i> , 2006, 566, 122-129.  | 2.6 | 5         |
| 33 | In vitro binding and in vivo biodistribution studies of the neuroprotective peptide humanin using [ <sup>125</sup> I]humanin derivatives. <i>Peptides</i> , 2009, 30, 2409-2417.  | 1.2 | 5         |
| 34 | A Bombesin Copper Complex Based on a Bifunctional Cyclam Derivative. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2877-2888.  | 1.0 | 5         |
| 35 | New labeled derivatives of the neuroprotective peptide colivelin: Synthesis, characterization, and first in vitro and in vivo applications. <i>Archives of Biochemistry and Biophysics</i> , 2015, 567, 83-93.  | 1.4 | 4         |
| 36 | NMR-Based Metabolic Profiling Procedures for Biofluids and Cell and Tissue Extracts. <i>Methods in Molecular Biology</i> , 2018, 1738, 117-131.   | 0.4 | 4         |

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|----|---|-----|-----------|
| 37 | Synthesis of New Indole and Adamantane Amido Derivatives with Pharmacological Interest. ChemistrySelect, 2019, 4, 8727-8730.  | 0.7 | 4         |
| 38 | Structure–activity relationships of Î±- <sup>313</sup> derived peptide inhibitors of human platelet aggregation. Journal of Peptide Science, 2008, 14, 1195-1202.                                       | 0.8 | 3         |
| 39 | Complexes of an Alpha Thymosin Derivative with <sup>185/187</sup> Re and <sup>99m</sup> Tc: Structural Analysis and Initial Biological Evaluation. Chemical Biology and Drug Design, 2012, 80, 545-553. | 1.5 | 3         |
| 40 | Assessment of the Nutraceutical Effects of Oleuropein and the Cytotoxic Effects of Adriamycin, When Administered Alone and in Combination, in MG-63 Human Osteosarcoma Cells. Nutrients, 2021, 13, 354. | 1.7 | 3         |
| 41 | Exploring the metabolomic profile of cerebellum after exposure to acute stress. Stress, 2021, 24, 952-964.  | 0.8 | 3         |
| 42 | A multi-technique analytical approach for impurity profiling during synthesis: The case of difluprednate. Journal of Pharmaceutical and Biomedical Analysis, 2020, 190, 113483.                         | 1.4 | 1         |
| 43 | High-yield solid-phase synthesis of humanin, an Alzheimer’s disease associated 24-mer peptide, and humanin analogues. , 2005, , .   |     | 1         |
| 44 | Hyperactivation of Nrf2 increases stress tolerance at the cost of aging acceleration due to metabolic deregulation. Free Radical Biology and Medicine, 2018, 128, S128.                                 | 1.3 | 0         |