

Anna R Cappello

List of Publications by Year in descending order

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66
papers

2,738
citations

172457

29
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189892

50
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68
all docs

68
docs citations

68
times ranked

4266
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mitochondrial biogenesis is required for the anchorage-independent survival and propagation of stem-like cancer cells. <i>Oncotarget</i> , 2015, 6, 14777-14795. | 1.8 | 225 |
| 2 | Graphene oxide selectively targets cancer stem cells, across multiple tumor types: Implications for non-toxic cancer treatment, via differentiation-based nano-therapy. <i>Oncotarget</i> , 2015, 6, 3553-3562. | 1.8 | 192 |
| 3 | Repurposing atovaquone: Targeting mitochondrial complex III and OXPHOS to eradicate cancer stem cells. <i>Oncotarget</i> , 2016, 7, 34084-34099. | 1.8 | 171 |
| 4 | Quercetin and derivatives: useful tools in inflammation and pain management. <i>Future Medicinal Chemistry</i> , 2017, 9, 79-93. | 2.3 | 141 |
| 5 | Copper activates HIF-1 α /GPER/VEGF signalling in cancer cells. <i>Oncotarget</i> , 2015, 6, 34158-34177. | 1.8 | 128 |
| 6 | Bedaquiline, an FDA-approved antibiotic, inhibits mitochondrial function and potently blocks the proliferative expansion of stem-like cancer cells (CSCs). <i>Aging</i> , 2016, 8, 1593-1607. | 3.1 | 105 |
| 7 | Doxycycline down-regulates DNA-PK and radiosensitizes tumor initiating cells: Implications for more effective radiation therapy. <i>Oncotarget</i> , 2015, 6, 14005-14025. | 1.8 | 103 |
| 8 | Antioxidant and Anti-Inflammatory Activities of Flavanones from <i>Glycyrrhiza glabra</i> L. (licorice) Leaf Phytocomplexes: Identification of Licoflavanone as a Modulator of NF- κ B/MAPK Pathway. <i>Antioxidants</i> , 2019, 8, 186. | 5.1 | 96 |
| 9 | A Genomics-Based Approach Identifies a Thioviridamide-Like Compound with Selective Anticancer Activity. <i>ACS Chemical Biology</i> , 2017, 12, 2815-2822. | 3.4 | 88 |
| 10 | The lauric acid-activated signaling prompts apoptosis in cancer cells. <i>Cell Death Discovery</i> , 2017, 3, 17063. | 4.7 | 79 |
| 11 | Mitochondrial "power" drives tamoxifen resistance: NQO1 and GCLC are new therapeutic targets in breast cancer. <i>Oncotarget</i> , 2017, 8, 20309-20327. | 1.8 | 65 |
| 12 | Functional and Structural Role of Amino Acid Residues in the Odd-numbered Transmembrane α -Helices of the Bovine Mitochondrial Oxoglutarate Carrier. <i>Journal of Molecular Biology</i> , 2007, 369, 400-412. | 4.2 | 59 |
| 13 | Bergamot natural products eradicate cancer stem cells (CSCs) by targeting mevalonate, Rho-GDI-signalling and mitochondrial metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 984-996. | 1.0 | 58 |
| 14 | Functional and Structural Role of Amino Acid Residues in the Even-numbered Transmembrane α -Helices of the Bovine Mitochondrial Oxoglutarate Carrier. <i>Journal of Molecular Biology</i> , 2006, 363, 51-62. | 4.2 | 54 |
| 15 | Hypocholesterolaemic activity of 3-hydroxy-3-methyl-glutaryl flavanones enriched fraction from bergamot fruit (<i>Citrus bergamia</i>): <i>in vivo</i> studies. <i>Journal of Functional Foods</i> , 2014, 7, 558-568. | 3.4 | 53 |
| 16 | Glycerophospholipid Synthesis as a Novel Drug Target Against Cancer. <i>Current Molecular Pharmacology</i> , 2011, 4, 167-175. | 1.5 | 49 |
| 17 | Bergamot (<i>Citrus bergamia</i> Risso) Flavonoids and Their Potential Benefits in Human Hyperlipidemia and Atherosclerosis: an Overview. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016, 16, 619-629. | 2.4 | 44 |
| 18 | Mitochondrial tricarboxylate and dicarboxylate "Tricarboxylate carriers: from animals to plants. <i>IUBMB Life</i> , 2014, 66, 462-471. | 3.4 | 43 |

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|----|---|-----|-----------|
| 19 | GPER, IGF1R, and EGFR transduction signaling are involved in stimulatory effects of zinc in breast cancer cells and cancer-associated fibroblasts. <i>Molecular Carcinogenesis</i> , 2017, 56, 580-593. | 2.7 | 43 |
| 20 | Targeting the Mitochondrial Metabolic Network: A Promising Strategy in Cancer Treatment. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6014. | 4.1 | 43 |
| 21 | The Mitochondrial Oxoglutarate Carrier: Cysteine-Scanning Mutagenesis of Transmembrane Domain IV and Sensitivity of Cys Mutants to Sulfhydryl Reagents. <i>Biochemistry</i> , 2001, 40, 15805-15810. | 2.5 | 39 |
| 22 | Estrogen related receptor β (ERR β) a promising target for the therapy of adrenocortical carcinoma (ACC). <i>Oncotarget</i> , 2015, 6, 25135-25148. | 1.8 | 39 |
| 23 | The Mitochondrial Citrate Carrier (CIC) Is Present and Regulates Insulin Secretion by Human Male Gamete. <i>Endocrinology</i> , 2012, 153, 1743-1754. | 2.8 | 36 |
| 24 | Mitoriboscins: Mitochondrial-based therapeutics targeting cancer stem cells (CSCs), bacteria and pathogenic yeast. <i>Oncotarget</i> , 2017, 8, 67457-67472. | 1.8 | 36 |
| 25 | Identification of the <i>Drosophila melanogaster</i> Mitochondrial Citrate Carrier: Bacterial Expression, Reconstitution, Functional Characterization and Developmental Distribution. <i>Journal of Biochemistry</i> , 2008, 144, 389-392. | 1.7 | 34 |
| 26 | The biochemical properties of the mitochondrial thiamine pyrophosphate carrier from <i>Drosophila melanogaster</i> . <i>FEBS Journal</i> , 2010, 277, 1172-1181. | 4.7 | 34 |
| 27 | Mitochondrial glutamate carriers from <i>Drosophila melanogaster</i> : Biochemical, evolutionary and modeling studies. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1245-1255. | 1.0 | 34 |
| 28 | Cholesterol and Mevalonate: Two Metabolites Involved in Breast Cancer Progression and Drug Resistance through the ERR β Pathway. <i>Cells</i> , 2020, 9, 1819. | 4.1 | 34 |
| 29 | SLC37A1 Gene expression is up-regulated by epidermal growth factor in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2010, 122, 755-764. | 2.5 | 32 |
| 30 | An ancient remedial repurposing: synthesis of new pinocembrin fatty acid acyl derivatives as potential antimicrobial/anti-inflammatory agents. <i>Natural Product Research</i> , 2019, 33, 162-168. | 1.8 | 32 |
| 31 | Thioalbamide, A Thioamidated Peptide from <i>Amycolatopsis alba</i> , Affects Tumor Growth and Stemness by Inducing Metabolic Dysfunction and Oxidative Stress. <i>Cells</i> , 2019, 8, 1408. | 4.1 | 31 |
| 32 | Functional and structural role of amino acid residues in the matrix β -helices, termini and cytosolic loops of the bovine mitochondrial oxoglutarate carrier. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 302-310. | 1.0 | 30 |
| 33 | The Physiopathological Role of the Exchangers Belonging to the SLC37 Family. <i>Frontiers in Chemistry</i> , 2018, 6, 122. | 3.6 | 29 |
| 34 | Sericin/Poly(ethylcyanoacrylate) Nanospheres by Interfacial Polymerization for Enhanced Bioefficacy of Fenofibrate: In Vitro and In Vivo Studies. <i>Biomacromolecules</i> , 2015, 16, 3126-3133. | 5.4 | 28 |
| 35 | Chemical Profile, Antioxidant, Anti-Inflammatory, and Anti-Cancer Effects of Italian <i>Salvia rosmarinus</i> Spenn. Methanol Leaves Extracts. <i>Antioxidants</i> , 2020, 9, 826. | 5.1 | 25 |
| 36 | Recent Advances on the Role of G Protein-Coupled Receptors in Hypoxia-Mediated Signaling. <i>AAPS Journal</i> , 2016, 18, 305-310. | 4.4 | 23 |

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|----|--|-----|-----------|
| 37 | Interaction of fosfomycin with the Glycerol 3-phosphate Transporter of Escherichia coli. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 1323-1329. | 2.4 | 22 |
| 38 | 5-(Carbamoylmethylene)-oxazolidin-2-ones as a Promising Class of Heterocycles Inducing Apoptosis Triggered by Increased ROS Levels and Mitochondrial Dysfunction in Breast and Cervical Cancer. <i>Biomedicines</i> , 2020, 8, 35. | 3.2 | 22 |
| 39 | 3-Amino-alkylated indoles: unexplored green products acting as anti-inflammatory agents. <i>Future Medicinal Chemistry</i> , 2020, 12, 5-17. | 2.3 | 21 |
| 40 | New Insights into the Antioxidant and Anti-Inflammatory Effects of Italian <i>Salvia officinalis</i> Leaf and Flower Extracts in Lipopolysaccharide and Tumor-Mediated Inflammation Models. <i>Antioxidants</i> , 2021, 10, 311. | 5.1 | 21 |
| 41 | Substrate-induced conformational changes of the mitochondrial oxoglutarate carrier: a spectroscopic and molecular modelling study. <i>Molecular Membrane Biology</i> , 2005, 22, 443-452. | 2.0 | 19 |
| 42 | Mechanisms of divergent effects of activated peroxisome proliferator-activated receptor- β on mitochondrial citrate carrier expression in 3T3-L1 fibroblasts and mature adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013, 1831, 1027-1036. | 2.4 | 18 |
| 43 | Acetylated Hyaluronic Acid: Enhanced Bioavailability and Biological Studies. <i>BioMed Research International</i> , 2014, 2014, 1-7. | 1.9 | 18 |
| 44 | New insights about the structural rearrangements required for substrate translocation in the bovine mitochondrial oxoglutarate carrier. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 1473-1480. | 2.3 | 18 |
| 45 | Abundant expression and purification of biologically active mitochondrial citrate carrier in baculovirus-infected insect cells. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 289-297. | 2.3 | 17 |
| 46 | Enhanced cellular uptake by α -pharmaceutically oriented devices of new simplified analogs of Linezolid with antimicrobial activity. <i>International Journal of Pharmaceutics</i> , 2014, 461, 163-170. | 5.2 | 16 |
| 47 | Functional characterization of the partially purified Sac1p independent adenine nucleotide transport system (ANTS) from yeast endoplasmic reticulum. <i>Journal of Biochemistry</i> , 2018, 164, 313-322. | 1.7 | 16 |
| 48 | Drosophila melanogaster Mitochondrial Carriers: Similarities and Differences with the Human Carriers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6052. | 4.1 | 16 |
| 49 | The Mitochondrial Oxoglutarate Carrier: A Structural and Dynamic Properties of Transmembrane Segment IV Studied by Site-Directed Spin Labeling. <i>Biochemistry</i> , 2003, 42, 5493-5499. | 2.5 | 15 |
| 50 | Bortezomib-Loaded Mesoporous Silica Nanoparticles Selectively Alter Metabolism and Induce Death in Multiple Myeloma Cells. <i>Cancers</i> , 2020, 12, 2709. | 3.7 | 15 |
| 51 | Mantonico and Pecorello Grape Seed Extracts: Chemical Characterization and Evaluation of In Vitro Wound-Healing and Anti-Inflammatory Activities. <i>Pharmaceutics</i> , 2020, 13, 97. | 3.8 | 15 |
| 52 | Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , 2017, 82, 1235-1244. | 2.8 | 13 |
| 53 | A Stereoselective, Multicomponent Catalytic Carbonylative Approach to a New Class of β -Unsaturated β -Lactam Derivatives. <i>Catalysts</i> , 2021, 11, 227. | 3.5 | 13 |
| 54 | Cloning, Purification, and Characterization of the Catalytic C-Terminal Domain of the Human 3-Hydroxy-3-methyl glutaryl-CoA Reductase: An Effective, Fast, and Easy Method for Testing Hypocholesterolemic Compounds. <i>Molecular Biotechnology</i> , 2020, 62, 119-131. | 2.4 | 11 |

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|----|---|-----|-----------|
| 55 | Biopolymeric self-assembled nanoparticles for enhanced antibacterial activity of Ag-based compounds. <i>International Journal of Pharmaceutics</i> , 2017, 517, 395-402. | 5.2 | 10 |
| 56 | Synthesis and Antibacterial Activity of Polymerizable Acryloyloxyalkyltriethyl Ammonium Salts. <i>ChemPlusChem</i> , 2017, 82, 1233-1234. | 2.8 | 10 |
| 57 | Exploration of piperazine-derived thioureas as antibacterial and anti-inflammatory agents. In vitro evaluation against clinical isolates of colistin-resistant <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127411. | 2.2 | 10 |
| 58 | Smart Lipid- α -Polysaccharide Nanoparticles for Targeted Delivery of Doxorubicin to Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2386. | 4.1 | 10 |
| 59 | The mitochondrial aspartate/glutamate carrier (AGC or Aralar1) isoforms in <i>D. melanogaster</i> : biochemical characterization, gene structure, and evolutionary analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129854. | 2.4 | 9 |
| 60 | Anticancer potential of novel β , γ -unsaturated β -lactam derivatives targeting the PI3K/AKT signaling pathway. <i>Biochemical Pharmacology</i> , 2021, 190, 114659. | 4.4 | 8 |
| 61 | Inactivation of the reconstituted oxoglutarate carrier from bovine heart mitochondria by pyridoxal 5'-phosphate. <i>Journal of Bioenergetics and Biomembranes</i> , 1999, 31, 535-541. | 2.3 | 7 |
| 62 | Ultrasound-Assisted Extraction, Chemical Characterization, and Impact on Cell Viability of Food Wastes Derived from Southern Italy Autochthonous Citrus Fruits. <i>Antioxidants</i> , 2022, 11, 285. | 5.1 | 6 |
| 63 | In vitro anti-proliferative and anti-bacterial properties of new C7 benzoate derivatives of pinocembrin. <i>Natural Product Research</i> , 2021, 35, 1783-1791. | 1.8 | 4 |
| 64 | An effective strategy for cloning the mitochondrial citrate carrier: identification, characterization and tissue distribution in silver eel. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2011, 02, 157-162. | 0.7 | 3 |
| 65 | Modulatory role of Peroxisome Proliferator-Activated Receptor β on Citrate Carrier activity and expression. <i>FASEB Journal</i> , 2012, 26, 1034.9. | 0.5 | 0 |
| 66 | Extracts of Different Polarity of <i>Daphne laureola</i> L. as Valuable Source of Antioxidant and Neuroprotective Compounds. <i>Medical Sciences Forum</i> , 2020, 2, . | 0.5 | 0 |